# Digital Video Recorder



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# SAFETY INSTRUCTION

Please carefully read the following safety instruction so as to avoid personal injuries and prevent the equipment and other connection devices from being damaged.

1. Power sources (note: please use the power supply attached or specified by the manufacturer)

Never operate the equipment by using unspecified power supply.

#### 2. Never push objects of any kind through openings of DVR

Never push objects of any kind through openings of DVR so as to avoid electric shock or other accidents.

#### 3. Do not put the equipment in the dusty field

Do not put the equipment in the dusty field.

#### 4. Do not place the equipment under rain or humid environment

Do not place the equipment under humid environment like basement. If the equipment is accidentally in contact with water, please unplug the power cable and immediately contact your local dealer.

5. Keep the surface of the equipment clean and dry

Use soft damp cloth to clean the outer case of DVR (do not use liquid aerosol cleaners)

6. Do not operate if any problems are found

If there are any strange smell or sound from DVR, unplug the power cable and contact the authorized dealer or service center.

7. Do not try to remove the upper cover

Warning: Do not remove the cap of DVR so as to avoid electric shock.

8. Handle with care

If DVR does not work normally because of hitting on the hard object, please contact the authorized dealer for repair or replacement.

# 9. Use standard lithium battery (Note: Use the batteries attached or specified by the manufacturer)

After cutting off the power supply, if the system clock cannot continue to work, please replace the standard 3V lithium battery on the main board.

**Warning:** Turn off DVR before replacing the batteries, or you may be suffered from serious electric shock. Please properly dispose of the used batteries.

#### 10. Put the equipment in a place with good ventilation

The DVR system includes HDD, which produces large amount of heat during operation. As a result, do not block the ventilation openings (on the top, bottom, both sides and the reverse side) for cooling the system during operation. Install or put the equipment in the place with good ventilation.

# 11. The attached power adapter can only be used for 1 set of DVR. Do not connect more equipment, or DVR may be restarted repeatedly because of insufficient power.

12. Prevent the equipment from water dropping or splashing. Do not place objects containing water, such as flower vase, on the equipment.

13. Do not ingest battery, Chemical Burn Hazard,

This product contains a coin / button cell battery.

If the coin / button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

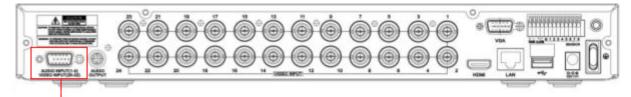
If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

# **Chapter 1 Product Overview**

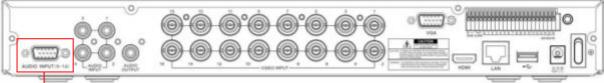
# 1.1Rear Panel

Item	Description
VIDEO INPUT	Connect with video input devices,standard BNC port
AUDIO INPUT	Connect with audio input signals,RCA port
ADUIO OUTPUT	Audio signal output,RCA port
USB port	Connect the supplied mouse or USB flash memory
VGA	Connect to your TV or a monitor VGA input
HDMI	Connect to your digital TV port monitor with HDMI input
LAN	Connect to your home network
e-SATA	Optional. Connect to e-SATA HDD for recording & backup
RS-485	Connect to PTZ devices
Sensor & Alarm	Optional. Connect to external sensor & alarm devices
Power	Connect to the supplied power adaptor
Power Switch	Turn on/off power supply



AUDIO INPUT (5-16)

For some models to connect to audio inputs with supplied connector



AUDIO INPUT (1-4) & VIDEO INPUT (25-32) For some 32CH DVR to connect to audio inputs & video inputs (25CH ~ 32CH) with supplied connector

# **1.2 Remote Controller (For Reference Only)**

	No.	Icon	Description
	1	1-8	Numeric keys Press to display channel 1~8
	2	9、0	Numeric keys
	3	ALL	Press to display all channels Multiple display mode
	4	Menu	Press to enter or exit the Main Menu
34	5	Mute	Mute On/off
5 0 0 6	6	Submenu	Go to submenu
MUTE BURMENU	7		Up arrow key; Volume increase
9	8	SEL	Press to enter the selected menu item and edit the setting
10	9	*	Left/Right key; Decrease/increase parameter value of control bar.
	10		Down arrow key; Volume decrease
14	11	¥	Press to rewind during video playback
16	12	<b>▲</b>	Press to fast forward during video playback
	13	٨	Press to play recorded video or enter the recording search menu
	14	•	Press to start manual recording
	15		Press to stop manual recording or stop the video playback
	16		Press to pause the video playback or enter frame-playback mode

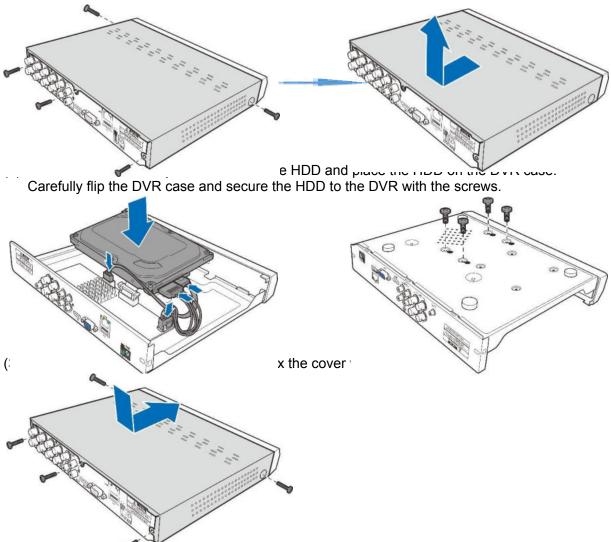
# Chapter 2 DVR Installation & Connection 2.1 HDD Installation

Depending on the package you have purchased, the hard disk drive may be included in the full package. If it is not pre-installed, follow the installation instructions on this user manual.

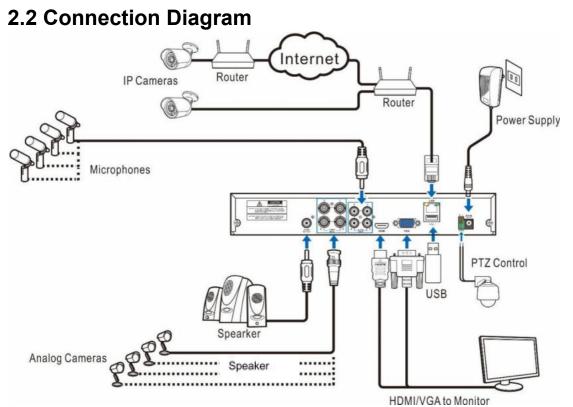
*Caution*: DO NOT install or remove the hard disk drive while the device power is turned ON.

HDD Installation:

(1) Cut power firstly, and then remove screws on both sides & rear panel, and open DVR upper cover.



*Note*: Above procedures are for reference only. The practical operation may be different depending on the DVR you purchased.

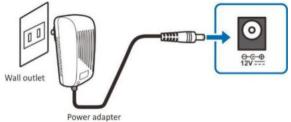


*Note*: Above diagram is for reference only. The practical connection may be different depending on the DVR you purchased.

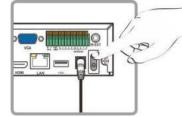
# 2.3 Power Supply Connection

*Caution*: Use only the supplied power adapter that came with the DVR

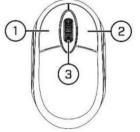
Connect one end of the power adapter to the power connector on the back of the DVR. Plug the other end of the power adapter into the wall outlet.



For some specific models, you may need to press the Power switch to turn on the power.



# Chapter 3 DVR Common Operations 3.1 Using the Supplied Mouse



#### 1. Left Button:

- o Click to select menu options.
- o During live viewing in split-screen view, double-Click on a channel to view it in full-screen. Double-Click the channel again to return to split-screen viewing.
- o Click upon a channel on Live Viewing screen to open Camera Quick Toolbar.
- o Click and hold to drag sliders and scales on menu mode

#### 2. Right Button:

- Click once to open the Taskbar on the Live Viewing screen. View Taskbar on <u>4.2.2</u> <u>Taskbar</u>
- o In menus, Click to go back / close menus.

#### 3. Scroll Wheel:

- o In menus, scroll to move up / down through the menu content.
- o While hovering over the volume control wheel, scroll to turn system volume up / down.

# 3.2 Using the Virtual Keyboard

You will see the virtual keyboard automatically on the screen when you need to enter data

Click to toggle the keyboard to upper case and more punctuation



Move the cursor to left

# 3.3 Password

For the first time when you run the DVR, you must be required to set your own password immediately in order to protect your privacy. Please be sure to record your username and password and save them in a secure place.

				04/01/2022 14:33:05 Fri.
Language	ENGLISH			
Device ID	000000		(00000)	
New Admin Name				
Password Strength	_		Medium	
New Admin Password	•••••	B		
Confirm Password		B		
Unlock Pattern Enable	Enable		Draw	
		Apply		

Language: Choose an OSD language

**Device ID:** Input the device ID in the parentheses. Default ID is 000000. View more about Device ID on <u>5.7.1 General</u>.

New Admin name: To set your own administrator name.

**New Admin Password:** To set your own password. The password must be a combination of 8 characters.

Confirm Password: Enter your own password again.

**Unlock Pattern Enable**: enable uplock pattern. Click the right edit icon to start setting the pattern password. After confirming twice, you can set the gesture password successfully.

01/01/2015 09.41/32 Thu.
Image: Sector

Click **Apply** to confirm your settings and goes to the login interface. Enter your user name & password to **Login** the DVR system.

		04/01/2022 14:34:19 Fri.
	RecoverPwdDialog	
Security Question Configuration Security Question 1 Answer Security Question 2 Answer Security Question 3	Your father's name?   Your mother's name?   Your mother's name?   Your head leacher's name in serior high schoo??	
Answer Certificate of authorizatio Super code(Not recommended)		×.

①Security Question Configuration:问题校验修改主用户密码功能,开启后需要在15个常用问题中选择3个,设置找回密码所需要的的答案,答案的最大长度是64个字符.

②Certificate of authorization:使用密钥修改主用户密码功能,开启后需要Click Export下载密 钥文件certificate.txt到U盘.

③Super code(Not recommended):使用超级验证码修改主用户密码功能,利用当前DVR的 Mac地址以及DVR系统时间,计算出一个可修改该主用户密码的超级验证码.但是DVR的Mac地址在 网络中是广播发送的,DVR系统时间在登录时使用Super code修改主用户密码时可直接获取,存在一 定的安全隐患,所以不建议用户开启.

전형 전자형은			01/01/2015 09:42:26 Thu.
Studies -			
	ENGLISH		
Device ID User	admin 👻		
Paseword		Show Password	
	Forgot Password Pattern Login		
비행했는 것이 같은 것이 같이 많이 많이 했다.			

Pattern: 进入手势密码登录界面

		01/01/2015 09:42:23 Thu.
	nguage ENGLISH	
U.	ser admin 🔨	
	Password Draw the unlock pattern first.	
	000	
	000	
	000	

#### Notice:

If you forget two kinds of password, you will not be abletologin the system. Please check **Forgot Password** to reset password. System will send the temporary password to the setting email. This password is used on login interface and User setting to change password. If you didn't set the email, please contact your reseller to reset password. (Some models didn't support FORGOT PASSWORD function.)

# **Chapter 4 DVR Starting up**

# 4.1 Start Wizard

Startup Wizard will help to configure the system and get the DVR works quickly.

#### 4.1.1 Start Wizard

Click the Start Wizard to proceed to the next step



# 4.1.2 Network Configuration

Wizard							×			
Netwo	ek									
Loca	Connection									
	DHCP	~								
	IP Address									
	Subnet Mas	<b>k</b> : 20								
	Gateway									
	IPv6 Addres	8 <b>9</b> : 107								
	IPv6 Gatew	ay Int								
DNS										
	DNS1									
	DNS2									
Port										
		Serv	rice Pro	tocol Internal P	ort: External P	ort UPNP Sta	itus Maping			
		Http/Http	s/RTSP TI	CP onnen		Inactive				
					Wizard				×	
Netwo	irk									
	DNS2									
Port										
	Autors -				UPNP Status	Maping Strate	uppp			
	vice ps/RTSP	Protocol	Internal Port	External Port						
	ps/RTSP	Protocol TCP	Internal Port	External Port	Inactive		-			
		Protocol	Internal Port	External Port						
	ps/RTSP	Protocol TCP	Internal Port	External Port	Inactive		-			
	ps/RTSP ient	Protocol TCP	Internal Port	External Port	Inactive		-			
	ps/RTSP ient	Protocol TCP TCP	Internal Port	External Port	Inactive		-		•	
	ps/RTSP ient oE Enable PPF	Protocol TCP TCP	Internal Port	External Port	Inactive		-			
	ps/RTSP ient oE Enable PPF User	Protocol TCP TCP	Internal Port	External Port	Inactive		-		•	
	ps/RTSP ient oE Enable PPF	Protocol TCP TCP	Internal Port	External Port	Inactive		-			
	ps/RTSP ient oE Enable PPF User	Protocol TCP TCP	Internal Port	External Port	Inactive		-		¢	
	ps/RTSP ient oE Enable PPF User	Protocol TCP TCP	Internal Port	External Port	Inactive		-	Next	R. Cancel	

If you connect to a router allows to use DHCP, please check the **DHCP** box. The router will assign automatically all the network parameters for your DVR. Unless the network is manually addressed below parameters:

**IP Address**: The IP address identifies the DVR in the network. It consists of four groups of numbers between 0 to 255, separated by periods. For example, "192.168.001.100". **Subnet Mask**: Subnet mask is a network parameter which defines a range of IP addresses that can be used in a network. If IP address is like a street where you live then subnet mask is like a neighborhood. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".

Gateway: This address allows the DVR to access the Internet. The format of the Gateway address is the same as the IP Address. For example, "192.168.001.001".

**DNS1/DNS2**: DNS1 is the primary DNS server and DNS2 is a backup DNS server. Usually should be enough just to enter the DNS1 server address.

**Web Port:** This is the port that you will use to log in remotely to the DVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it. **Client Port:** This is the port that the DVR will use to send information through (e.g. using the mobile app). If the default port 9000 is already taken by other applications, please change it. **RTSP Port:** This is the port that the DVR will be allowed to transmit real-time streaming to other device (e.g. using a streaming Media player.).

**UPNP:** If you want to log in remotely to the DVR using Web Client, you need to complete the port forwarding in your router. Enable this option if your router supports the UPNP. In this case, you do not need to configure manually port forwarding on your router. If your router does not support UPNP, make sure the port forwarding is completed manually in your router.

**PPPoE**(英语: Point-to-Point Protocol Over Ethernet): the point -to -point protocol on the Ethernet network is a network tunnel protocol that encapsulates the point -to -point protocol (PPP) in the Ethernet framework. Since the integrated PPP protocol in the protocol, the authentication, encryption, and compression that the traditional Ethernet cannot provide can also be used for the cable modem (Cable Modem) and the digital user line (DSL). The agreement system for access service.

#### 4.1.3 Date/Time

This menu allows you to configure the Date, Time, Date Format, Time Format, Time Zone, NTP and DST.

### **Date and Time**

```
Click on the calendar icon to set the current system date.
```

Date/Time		
Date and Time NT	P DST	
Date	04/15/2021	iii
Time	11:28:21	
Date Format	MM/DD/YYYY	~
Time Format	24Hour	~
Time Zone	GMT+08:00	~

Date: Click on the icon to set the system date.

Time: Click to set the system time.

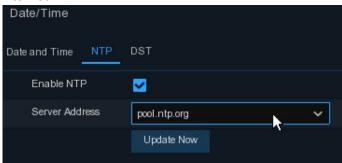
Date Format: Choose from the drop down menu to set preferred date format.

Time Format: Choose time format between 24Hour and 12Hour.

Time Zone: Set the correct time zone.

### NTP

NTP stands for Network Time Protocol. This feature allows you to synchronize the date and time automatically on the DVR over Internet. Therefore, the DVR needs to be connected to the Internet.



Check the "NTP" box, and select the NTP server.

Choose the server address : time.windows,com,/time.nist.gov/pool.ntp.org/User-Defined

DST						
Date and Time	NTP DST					
Enable DST						
Time Offset	1Hour	~				
DST Mode	Wæk	~				
Start Time	Mar.	✓ The 2nd	~	Sun.	~	02:00:00
End Time	Nov.	✓ The 1st	~	Sun:	~	02:00:00

DST: Enable if Daylight Saving Time (DST) is observed in your region

Time Offset: Select the amount of time to offset for DST

Time Mode: Choose to set the daylight saving time in weeks or in days

Start Time/End Time: Set the start time and end time for daylight saving

### 4.1.4IP Camera

						Wi	zaro	d				×
IF	⊳ C	an	ne	era								
	No			IP Address/Domain	Port	Manufactur		Channel		Edit State	IP Address/Domain	Subnet Mas
				172.20.19.132	9000			CH1	0			
	2			172.20.31.22	9000			CH2	٠			
	3			172.20.31.31	2427			CH3	0			
	4			172.20.31.32	2437			CH4	•			
	5			172.20.31.45	9000			CH5	0			
	6			172.20.31.52	80	HIKVISION DS-I		CH6	•			
	7			172.20.31.53	9000		٠	CH7	0			
	8			172.20.31.56	80	ONVIF		CH8	0			
	9			172.20.31.57	9000							
	10			172.20.31.60	9000							
	11			172.20.31.62	9000							
	12			172.20.31.63	9988							
	13			172.20.31.64	9000							
	44	ć.		470 00 04 00	0000							
	Se	earc	h									
									P	revious	Next	Cancel

This menu allows you to add IP cameras to the DVR.

Click Search to search IP cameras in the same network. Choose the IP camera(s) you want to add, and then Click icon to add to the DVR

		Add IP Camera		×
Port			Auto	
Protocol			🔽 Auto	
User Name	admin			
Password		k.	Show Passwor	rd
Camera Mode	Auto	~		
			Add	Cancel

Enter the camera's user name & password to add the camera(s).

You can also Click **O** button to add individual IP camera to a single channel.

			Add IP Camera		×
No.	IP Address/Domain	Port	Manufacturer	Device T	уре
1	172.20.19.132	9000		IP CAME	RA
2	172.20.31.22	9000	*	IP CAME	ERA
3 •	172.20.31.31	2427		N400	8
4	172.20.31.32	2437		HY-DV	′R
5 •	172.20.31.45	9000		8M-HY	08 (
6	172.20.31.52	80	HIKVISION DS-IPC-B12H-I		
7	172.20.31.56	80	ONVIF		
8 💽	172.20.31.57	9000		N5208KR	l-P-E ł
9	172.20.31.60	9000		IP CAME	ERA (
10	172.20.31.62	9000		IP CAME	ERA I
11	172.20.31.63	8866		CH256MCG-T	F-A36PW
IP Add Alias Port Protoc User N	CH2 9000 col Prive	) ate	: ~		
Passw	vord ••••	••		Show Pass	sword
Camer	ra Mode Auto	J	*		
	Search Defau	lt Passwo	rd	Add	Cancel

Click **Search** button to search IP cameras, and then Click one of the IP camera in the device list.

IP Address/Domain: IP address or domain name of the IP camera

Alias: Name of the IP camera

Position: Position to display the camera name on the screen.

Port: Port of the IP camera

Protocol: Choose the protocol of the IP camera from the drop down menu

User Name: User Name of the IP camera

Password: Password of the IP camera

Camera Mode: Select the mode of the IP camera in the drop -down menu

### 4.1.5 Disk

			Wizard			×
Disk						
No. 🗸	Serial No.	Edit	Model	Firmware	Туре	Sta
<u>1</u> V	VD-WCC4M1EYRVLZ		WDC WD20PURX-64PFUY0	80.00A80	RW	Norr
Overwrite Record On ESATA	Auto 🛩 Disable 🌱	F	ormat HDD Add NetHD	D		
		•	Pr	evious Nex	t Cano	cel

If the HDD is installed in the DVR for the first time, it must be formatted. Select the HDD and then Click **Format HDD** button to format the HDD.

**Overwrite**: Use this option to overwrite the old recordings on the HDD when the HDD is full. For example, if you choose the option 7 days then only the last 7 days recordings are kept on the HDD. To prevent overwriting any old recordings, select Disable. If you have disabled this function, please check the HDD status regularly, to make sure the HDD is not full.

Add NetHDD: Further information please check 5.6.1 HDD setting

**Record On ESATA**: If your DVR comes with an e-SATA port on the rear panel, you can enable to record the video to e-SATA HDD.

### 4.1.6 Resolution

Choose an output resolution matches to your monitor. The DVR supports to adjust the output resolution automatically to match the best resolution of your monitor when the system is starting up.



## 4.1.7 Mobile

If your DVR come with a P2P ID, you can scan the QR code with your mobile app to view the DVR remotely.



# 4.1.8 Summary

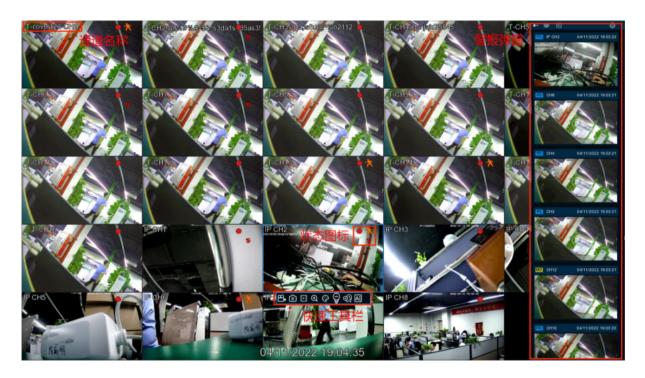
#### Summary

You can check the system summary information you had set in the start wizard and finish the wizard.

Tick **"Don't show this window next time"** if you don't want to display Start Wizard when system reboot next time. Click **Finish** button to save & exit.

Summary	
System	
Resolution	4K(3840x2160)
Date/Time	04/15/2021 14:19:41, GMT+08:00
NTP	ON
Network	
DHCP	ON
IP Address	172.20.31.78
Subnet Mask	255.255.255.0
Gateway	172.20.31.1
DNS1	172.18.1.222
DNS2	8.8.8
PPPoE	OFF
Don't show this window next time	

# 4.2 Live View Screen Overview



#### **Camera Title**

To display the camera title

- A-: This indicates that the camera connected is an AHD camera
- T-: This indicates that the camera connected is a TVI camera
- C-: This indicates that the camera connected is a CVI camera
- IP: This indicates that the camera connected is an IP camera

#### State icon

- :Trigger Intelligence Detection
- Trigger PIR Detection
  - :This indicates that the DVR is currently recording.
  - :This icon appears when the camera has detected motion.
  - The icon indicates that the external I/O alarm device is triggered
  - :This icon indicates that the HDD is in error to work
  - :This icon indicates the HDD is unformatte.
  - :This icon indicates the HDD is full.
  - :This icon indicates the HDD is read-only.
- Off -line: The analog camera is disconnected.

No Camera: IP camera is disconnected.

**Decoding Failed:** The DVR doesn't support this kind of IP camera compression standard, please change to H.264 compression standard.

**Resource Not Enough**: Insufficient resources, the main code flow does not support all drawings at the same time/MJPEG format can only display one channel.

Band Not Enough: Insufficient bandwidth, the channel cannot be online

Failed to connect to camera: IPC connection failed

User name or password error: IPC username and password are wrong

Click to open Quick Add menu to add IP camera



Click to edit current IP camera

# 4.2.1 Camera Quick Toolbar

In live viewing, Click the left button of your mouse on a connected camera to display the Camera Quick Toolbar.

#### ฿๏๎ฅ฿๏๛๛๏๏๗๗

- Click to manually record the channel immediately. If the manually recording is in process, the icon will be in red color. Click one more time to stop manual record.
- Click to save a snapshot of the current camera image. Manual Capture must be enabled to use this feature. For details on enabling Manual Capture
- Click to play the latest 5 minutes recording of this channel
- Click to enter PTZ control panel
- Click to zoom-in the channel. When the *C* icon appears, press and hold the left button of your mouse to drag the area you want to zoom in.
- Click to adjust the image color of the channel. You can adjust the HUE, BRIGHT, CONTRAST & SATURATION of the image.
- Switch the real -time video stream between the main code stream and the sub -code stream. HD is the main code out of the picture, SD is a sub -code outflow picture.
- Click to enable/disable white light alarm. Further information please check <u>5.1.8</u> <u>Deterrent</u>. This menu won't change the white light setting parameter.
- Click to enable/disable alarm of this channel. Further information please check <u>5.1.8</u> <u>Deterrent</u>. This menu won't change the white light setting parameter.
  - $^{\prime\prime\prime}$  Click to add customized tag. It can be playback the tag in "Searching".
- AI statistics are turned on, the mouse hovers on the icon to view AI statistics information

# 4.2.2 Task bar

#### 

早 ① 卷 ④ 04/11/2022 19:08:11

Click to open the Start Menu

Click to choose different layout for live view

Click to choose more layouts for live view

Click to start viewing channels in a sequence

Quick playback. You can choose to play the latest recording for all channels from the beginning of the day, or you can choose the playback from the latest 5s, 10s, 30s, 1Min, 5Min.

Click to adjust audio volume

Click to switch all IP channels between mainstream and substream (for live view resolution)

Click icon to switch between the original proportional screen or the stretching screen.

Click to switch among real-time, balanced, or smooth view. The view effect modes affect only the live view video quality by bitrate and frame rate but do not affect the recording quality.



No Internet connection



Network was blocked

Network connection well

🧐 Manually turn on/off all channels white light and siren

Manually turn on/off channels recording and IO alarm

To view system information, channel information, record info and network state.

# 4.2.3 Start Menu

With the start menu, you can switch user, search & playback, enter system setup menu, lock & unlock the screen, shut down, reboot & logout the system.

ക admin	<ul> <li>To switch user. To enable multi-user, please view on HYPERLINK \I " 5.7.2 Multi-user" <u>5.7.2.2 Multi-User.</u></li> </ul>
	Search & Playback. View more on HYPERLINK \/ "_Chapter 7 Search, Blackbackten Beckup." Geapter 7. Sperch Reveachapter Sup.
log Setup	DVR System Setup" <u>Chapter 5 DVR System.</u> Setup. Lock & unlock screen. View on HYPERLINK \I "_4.2.3.1 解锁和锁定屏幕"
Lock Screen	4.2.3.1Unlock and Lock Screen. Shutdown, reboot & logout the system. View on HYPERLINK \I "_4.2.3.2 Shutdown" 4.2.3.2 Shutdown.
😃 Shutdown	and Lock Screen

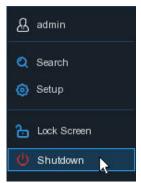
ጽ	admin
٩	Search
۲	Setup
A	Linianis
	Unlock
	Shutdown

The screen will be locked to protect unauthorized OSD operation while the DVR is not in menu operation 1 minute.

If necessary, you can also lock the screen operation manually. To do so, go to Star Menu, and then Click the Lock Screen icon to lock the system immediately.

If the system is locked, you can Click the Unlock icon to unlock the system for further operation.

### 4.2.3.2 Shutdown



Click the **Shutdown** button from Star Menu, and the check the further action you want to move. Click **OK** button, system will require to input the Admin password to authenticate.

	Shutdo	wn	×
C	What do you O Shutdow Reboot	u want the comput	er to do?
		ОК	Cancel

If you choose **Logout** the system, the live viewing screen will be disappeared. You will need to login the system for further operations.

Language	ENIOLIOU			
Language	ENGLISH		×	
Device ID	000000			(000000)
User	admin		~	
		F	Password	
	Draw th	e unlock patt	ern first.	
	$\bigcirc$	$\bigcirc$	$\bigcirc$	
	$\bigcirc$	$\bigcirc$	$\bigcirc$	
	$\frown$	$\bigcirc$	$\bigcirc$	
	$\bigcirc$	$\bigcirc$	$\bigcirc$	
	$\frown$	$\frown$	$\frown$	
	$\bigcirc$	$\bigcirc$	$\bigcirc$	

Pattern : Click for the Pattern unlock interface. Use the pattern password, you can unlock the system.

Password: get into the unlocked interface.

# **Chapter 5 DVR System Setup**

You are able to configure the DVR for Channel, Record, Alarm, Network, Device & System from **Start Menu**  $\Box$  **Setup**.



# 5.1 Channel

In this section, you are allowed to configure the camera, live view display, manage IP cameras, adjust IP camera's image, PTZ setup, motion setup, convert mode, and more.

### 5.1.1 Channel 5.1.1.1 Channel configure

Setup Channel	Record Alarm Al Network	Device System			🕒 04/11/2022 19:10:53 🗙
	Analog Channels IP Channels				
	Channel	Channel	Name	State	
Image Control	CH1	cover12	3-CH1	Enable	
	CH2	CH2I@I%#%#^\$&^s	3da1s435as35ds1	Enable	
	CH3	CH3sdfa;lsfk)		Enable	
Video Cover	CH4	CH4adsnja	ijki75545	Enable	
		CH5adsajdkhr	vdhasd1322	Enable	
Motion	CH6	CH	6	Enable	
PIR.	CH7	СН		Enable	
	СНВ	CH	8	Enable	
Deterrence	CH9	CH		Enable	
Intelligent	CH10			Enable	
	CH11			Enshia	
	Select All				
	CH1	CH2	CH3	CH4	
	CH5	CH6	CH7	Сна	
	Сна	CH10	CH11	CH12	
	💟 CH13	CH14	CH15	CH16	

Part of channels support Wireless camera.See below pictures.

The DVR supports to disable analog channels to increase IP channels. If you want to disable an analog channel, uncheck the box and Click **Apply** to save. To disable an analog channel can increase an IP channel input. To do so, you need to enable the XVR mode in advance at **System General Mode**, view more on <u>5.6.1 General</u>.

### 5.1.1.2 IP Channels

If you enable the XVR mode for the DVR, it supports to add IP cameras & modify IP channels. Click **Search** to search IP cameras from local network, Click Add <sup>O</sup> to add individual IP camera, Click Add All to add all IP cameras.

			IP Addre	ss/Hostna	me 🛧 Port	Manufacture			state Device Type		MAC Address	Software
Image Control				2 20 56 22	9000			Nor	IP CAMERA		00-23-63-6E-31-0	
inage control				2.20.56.26	9000			Nor	IP CAMERA		00-23-63-92-8C-6	7 V21.45.7.1
				2.20.56.44		H340N4KRB-LTF-L	FW36PV	V-M Activi	ated RS-CH340N4KRB-LTF-LF	W36PW-N	00-23-63-97-17-3)	V30.85.8.2.1
				2 20 56 48	9000			Nor	RS-N7708HR-F		00-23-63-91-52-33	7 V8.2.2-20
Video Cover								Nor	IP CAMERA		00-23-63-98-C4-C	B V1.0.0.B00017010
Motion			172	2 20.56.14	7 9000			Nor	RS-CH298N4CU-HALTF	LF36PW	00-23-63-94-A6-E	9 V1.0.0.B00017010
Deterrence												
Deterrence Intelligent	Search		Add	٨	Add All							
	Search	ol	Add Edit S		idd All IP Address/Hostnam	e Subnet Mask	Port M	lanufacturer	Device Type		MAC Address	Software Ver
						<ul> <li>Subnet Mask 255 255 255.0</li> </ul>			Device Type RS-CH256MCH-TL-28PW	Protocol Private	MAC Address 00-23-63-74-8A-2C	
		1 📅					9000					V6.21.5.2_21
	Channel IP CH	1 📅		State	IP Address/Hostnam 172.20.56.35	255.255.255.0	9000 80	lanufacturer NORMAL	RS-CH256MCH-TL-28PW	Private	00-23-63-74-8A-2C	V6.21.5.2_21
	Chann IP CH	1 📅 2 👘 3 👘		State	IP Address/Hostnam 172 20.56.35 172 20.56 29	255.255.255.0 255.255.255.0	9000 80 80		RS-CH256MCH-TL-26PW SSC338Q+SC6238	Private Private	00-23-63-74-8A-2C 00-23-63-91-9F-42	V6.21.5.2_21 V26.34.8.2.2_2 V1.0.0.B0001701010
	Chann P CH P CH P CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		State	IP Address/Hostnam 172 20.56 35 172 20 56 29 172 20 56 33	255.255.255.0 255.255.255.0 255.255.255.0	9000 80 80 80	NORMAL	RS-CH256MCH-TL-28PW SSC338Q+SC8238 25萼挂机程序	Private Private Onvif	00-23-63-74-8A-2C 00-23-63-91-9F-42 00-23-63-70-7B-20	Software Ver V6.21.5.2.21 V26.34.8.2.2.2 V1.0.0.80001701010 V1.0.0.80001701010 V25.11.8.2.2.2
	Chan IP CH IP CH IP CH IP CH IP CH	1 💼 2 💼 3 💼 4 💼 5		Stato	IP Address/Hostnam 172 20 56 35 172 20 56 29 172 20 56 33 172 20 56 38	255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.0	9000 80 80 80 80	NORMAL	RS-CH256MCH-TL-28PW SSC3380+RSC8238 25号挂机程序 26号程序挂机	Private Private Onvif Onvif	00-23-63-74-8A-2C 00-23-63-91-9F-42 00-23-63-70-7B-20 00-23-63-51-5E-E1	V6.21.5.2_21 V26.34.8.2.2_2 V1.0.0.B0001701010 V1.0.0.B0001701010
	Chann IP CH IP CH IP CH IP CH IP CH	1 (B)		Stato	IP Address/Hostnam 172 20 56 35 172 20 56 29 172 20 56 33 172 20 56 33 172 20 56 55	255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.0 255.255.255.0	9000 80 80 80 80 80 80	NORMAL	RS-CH256MCH-TL-28PW SSC3380+SC8238 25時挂机程序 26時輕序挂机 RS-CH222M6ND-DF-A2812PW	Private Private Onvif Onvif Private	00-23-63-74-8A-2C 00-23-63-91-9F-42 00-23-63-70-7B-20 00-23-63-51-5E-E1 00-23-63-94-A8-54	V6 21.5.2_210 V26.34.8.2.2_2 V1.0.0.B0001701010 V1.0.0.B0001701010 V25.11.8.2.2_2 V21.45.8.2.2_2
	Chave     IP CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edit 5	State	IP Address/Hostnam 172 20 56 35 172 20 56 29 172 20 56 33 172 20 56 33 172 20 56 58 172 20 56 55 172 20 56 54	255 255 255 0 255 255 255 0	9000 80 80 80 80 80 80 80	NORMAL	RS-CH256MCH-TL-28PW SSC3380+SC8238 25号挂机程序 26号程序挂机 RS-CH222MRND-DF-A2812PW IP_CAMERA	Private Private Onvif Onvif Private Private	00-23-63-74-8A-2C 00-23-63-91-9F-42 00-23-63-70-7B-20 00-23-63-51-5E-E1 00-23-63-94-A5-54 00-23-63-8F-44-80	V6 21.5 2_210 V26 34 8 2 2_2 V1 0.0 B0001701010 V1 0.0 B0001701010 V25 11 8 2 2_2
	Chave     IP CH     IP CH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Edit 5		IP Address/Hostnam 172 20 56 35 172 20 56 29 172 20 56 33 172 20 56 33 172 20 56 56 172 20 56 55 172 20 56 54 172 20 56 47	255 255 255 0 255 255 255 0	9000 80 80 80 80 80 80 80	NORMAL	RS-CH258MCH-TL-28PW SSC3380+SC8238 25号挂机程序 26号程序挂机 RS-CH222MRND-DF-A2812PW IP_CAMERA RS-CH258M3TD-DF-2812PW-A	Private Private Onvif Onvif Private Private Private	00-23-63-74-8A-2C 00-23-63-91-9F-42 00-23-63-70-7B-20 00-23-63-70-7B-20 00-23-63-94-A6-54 00-23-63-94-A6-54 00-23-63-8F-44-80 00-23-63-1C-86-42	V6 21.5 2, 211 V26.34.8 2 2, 2 V1 0.0 B0001701010 V1.0.0 B0001701010 V25.11.8 2 2, 2 V21.45.8 2 2, 2 V18.25.8 2 2, 2

Edit: Modify camera's information, Active IPC, Select to add other NVR channels

IP Address/Domain: IP Camera's IP address or domain

Port: IP camera connection port

Manufacturer: IP Camera manufacturer information

Active state: IP camera active state, Version 8.2.2 and higher version support IPC shows active state. Activated: Camera has been activated; Inactivated: Camera hasn't been activated; None: Cameras aren't support to show active state in NVR.

Device Type: IP Camera device type

MAC Address: IP Camera MAC address information

Software Version: IP Camera software version information

Click **Search** icon to search the local IP camera, Click **Add** icon to add single IP camera, Click **Add** All icon to add all of IP cameras.

IP Address/Hostname	172.20.56.147				
Alias	IP CH8				
Port	9000				
Protocol	Private	~			
User Name	admin				
Password	•••••				
Bind channel	IP CH8	~			
Search De	fault Password		Add	Cancel	

Click **Search** button to search IP cameras, and then Click one of the IP camera in the device list.

Alias: Name of the IP camera

**Protocol**: Choose the protocol of the IP camera from the drop-down menu, private protocol, ONVIF protocol and RTSP protocol.

(Note: When selecting Private private protocols, if PORT is an IPC media port, the old private protocol is connected to the IPC; if the port is the IPC HTTP port, the API protocol is connected to the IPC. Currently there are only 8.2.2 and subsequent versions of the subsequent versions. dVR and IPC support the use of the API protocol connection.)

**Connect Mode:**Select ONVIF protocol, the option shows. From the drop-down menu select **General** or **Security.General** means ONVIF HTTP protocol; **Security** means device will request whether IP camera supports HTTPS, if so, provide certificate. If no, connect via HTTP.

	Edit Connection Information	on
Channel		
Alias	IP CH8	
IP Address/Hostname	172.20.56.24	
Subnet Mask	255.255.255.000	
Port	9000	
Protocol	Onvif	~
Connect Mode	General	~
User Name	admin	
Password	•••••	

Mainstream URL: Using RTSP protocol shows this option, fill up the IP camera mainstream RTSP URL.

Substream URL: Using RTSP protocol shows this option, fill up the IP camera sub stream RTSP URL.

	Edit Connection Information	n	
Channel			
Alias	IP CH8		
Mainstream URL			
Substream URL			
Protocol	RTSP 🗸	/	
User Name	admin		
Password	•••••		
	₩		
		ок	Cancel

User Name: User Name of the IP camera

Password: Password of the IP camera

Bind channel: Choose a channel of the DVR you want to attach to

Auto Assign IP to Camera(s): The added IP camera would be not able to connect if its IP address is not in the same network segment with DVR. With this function to reassign an IP address to all added IP cameras.

Channel Delete: Choose one or more added IP cameras, and Click this button to delete.

**Default Password**: To set IP camera's default password Click Edit icon and enter the IP camera edit menu.

Show Password: select to fill up NVR password, every channel password proclaim in writing (Note: When the IPC connected to the channel is an inactive state and the IPC is connected to the API protocol, the NVR will use the password of the connection IPC set by the channel to activate the IPC "admin123." to activate IPC. )

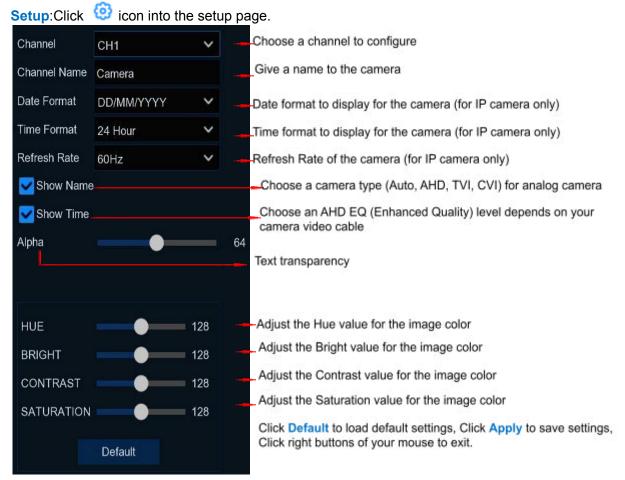
# 5.1.2 Live

#### To configure camera parameters.

Setup Channel	Record Alam	n Al Ne	twork Device	9 System					O 04/11/20		17
Channel	Live										
	Channel	Setup	Covert 🛩	Channel Name	Show Name 🗸	Date Format	Time Form	at 💌	Show Time 🗸	Refresh P	Rate 🗸
Image Control	CH1			cover123-CH1	~				~		
	CH2			CH21@1%#%#^\$&^s3da1s435as35ds	×				×		
				CH3sdfa.lsfki@^%o2112	<b>S</b>				~		
Video Cover	CH4			CH4adsnjajkl75545	<b>X</b>				×		
Motion				CH5adsajdkhndhasd1322	2				×		
	CH6			СНб	<b>×</b>				×		
PIR				CH7	<b>V</b>				¥		
Deterrence	CH8			CH8	×				8		
Intelligent				СН9	2				*		
	CH10			CH10	2				Y		
				CH11	2				2		
				CH12	<b>S</b>				*		
				CH13	×				3		
				CH14	<b>S</b>				<b>X</b>		
				CH15	×				<b>×</b>		
				CH16	<b>V</b>				>		
	IP CH1				2	YYYY-MM-DD	24 Hour		Y	50Hz	Ŷ
	IP CH2			338Q+8238CJ95I@%#*\$@&%*	2	YYYY-MM-DD	24 Hour		<b>X</b>	60Hz	Ŷ
				IP CAMERA	<b>V</b>	YYYY-MM-DD	24 Hour		>		
	IP CH4			IP CAMERA	2	YYYY-MM-DD	24 Hour		2		

#### Channel: Display channel name.

Covert: After selected, the current channel hide the live image in local UI.



# 5.1.3 Image Control

Setup Chann	Record	Alarm	Al Network	Device Syst	em								O 04/11/20	
Channel	Image	Control												
	Channel	Setup	Image Setting	IR-CUT Mode	IR-CUT Delay	Lens Flip	Angle Flip	Angle Trad		3D Noise Reduction	DWDR		White Balance	Time Exposure
	IP CH1	۲		GPIO Auto		OFF	OFF		OFF	Auto	OFF	Middle	Auto	Auto
	IP CH2		Day/Night Mode	Automatic mode		OFF			OFF	Auto			Auto	Auto
				GPIO Auto						Disable			Auto	Auto
Video Cover	IP CH4			GPIO Auto		OFF	OFF		OFF	Disable	OFF	OFF	Auto	Auto
				GPIO Auto						Auto			Auto	Auto
Intelligent	IP CH6			GPIO Auto		OFF							Auto	Auto
				Color Mode						Auto			Auto	Auto
Deterrence	IP CH8			GPIO Auto			OFF			Auto			Auto	Auto
			x											

This menu allows you to control image settings for supported IP cameras

Channel: Channel name.

Setup: Click 🙆 icon into the setup page.

### **USER MANUAL**

Channel	CH3	~ -	Choose a channel to configure
IR-CUT Mode	GPIO Auto	~	Select the desired built-in IR cut filter mode to ensure the camera works properly both in the day and night.
IR-CUT Delay	•	2	Set the delay time of IR-CUT switching
IR-LED	Auto	×	Setup IR-LED mode, there are OFF, ON, Auto. VARIFOCAL Camera has the two groups of infrared lights out of Manual options, you can
Lens Flip			adjust the brightness of the two groups of infrared lights manually
Angle Flip			<ul> <li>Check to enable lens flip and angle flip</li> </ul>
Corridor Mode			12 2008 30
Angle Trad	0	~	Set the flip angle
Back Light	Enable	× -	To enable or disable Backlight compensation
BLC Level	Middle	× -	<ul> <li>Choose the backlight compensation level</li> </ul>
3D Noise Reduction	Manual	× -	To enable or disable 3D noise reduction function
Level		128	Set the 3D noise reduction level
WDR	Enable	~	Enable to allow automatically adjust the brightness and contrast of the video when shooting in the darkness with bright light sources.
Level	<b>— —</b>	128	- Set the WDR level
AGC	Middle	× -	- Automatic Gain Control
White Balance	Auto	~	Configure white balance
Shutter	Auto	~	Set the shutter mode
Time Exposure	1/25	~	Choose the exposure time of the camera
Defog Mode	Disable	~	Use in foggy environments to improve the video quality

Note: Some devices support **Corridor Mode** (not shown in the picture above, please refer to the actual menu). The function of the Corridor Mode is to rotate the lens 90 degrees clockwise.

# 5.1.4 PTZ

This menu allows you to configure the PTZ (Pan-Tilt-Zoom) settings for the dome camera

### **USER MANUAL**

Channel	PTZ									
	Channel	Signal Typ	90 V		Baudrate	DataBit	StopBit	Parity	Address	
Image Control	CH1	Analo	g	COAX1	4800			None		
	CH2	Anaio	9	COAX1	4800			None		
		Analo		COAX1	4800			None		
Video Cover	CH4	Analo	g	COAX1	4800			None		
Mation		Analo		COAX1	4800			None		
	CH6	Analo	9	COAX1	4800			None		
PIR		Analo		COAX1	4800			None		
Deterrence	CH8	Analo	9	COAX1	4800			None		
Intelligent		Anato		COAX1	4800			None		
	CH10	Analo		COAX1	4800			None		
		Anaio		COAX1	4800			None		
		Analo	g	COAX1	4800			None		
		Analo		COAX1	4800			None		
		Analo	g.	COAX1	4800			None		
		Anaio		COAX1	4800			None		
	CH16	Analo		COAX1	4800			None		
	IP CH5	Digital								
	IP CH6	Digital								
		Digital								
	IP CH8	Digital								

#### Channel: Channel name

Signal Type: Analog for analog channels, Analog & Digital for IP channels.

**Protocol:** Choose the communication protocol between the PTZ capable camera and DVR. If your camera support UTC (Up the Coax) function, you can choose COAX1 or COAX2 to display your camera OSD menu or control the UTC PTZ function.

**Baudrate:** The speed of the information sent from the DVR to the PTZ-capable camera. Make sure it matches the compatibility level of your PTZ-capable camera.

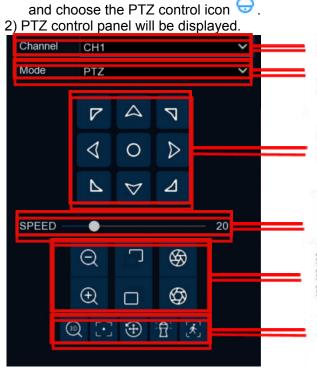
**DataBit / StopBit:** The information between the DVR and PTZ-capable camera is sent in individual packages. The **DataBit** indicates the number of bits sent, while the **EndBit** indicates the end of the package and the beginning of the next (information) package. The available parameters for **DataBit** are: **8**, **7**, **6**, **5**. the available parameters for the **StopBit** are **1** or **2**. **Parity**: For error check. See the documentation of your PTZ-capable camera, to configure this setting.

**Cruise**: Enable to use the Cruise mode. In order to use the Cruise mode, you need to set a number of preset points.

Address: Set the command address of the PTZ system. Please be noted that each PTZ-capable camera needs a unique address to function properly

### 5.1.4.1 PTZ control

After finishing the PTZ setup, you can use the PTZ function to control your PTZ camera.
1) Click left your mouse upon a channel on Live Viewing screen to open <u>4.2.1 quick toolbar</u>,



#### 选择通道

云台转动模式,有PTZ, PRESET, Line Scan, Watch Mode, Tour, Pattern Scan六种模式

单击中间的按钮,球机将持续水平转动;长按四周的 e eys 方向键可控制云台水平、垂直等方向转动

PTZ speed adjustment horizontal bar is divided into 1-100 gears. The larger the value, the faster the rotation speed

第一竖排图标是镜头的拉近、拉远,对应景物放大、缩小; 第二竖排图标是镜头聚焦,Click 可调节景物的清晰度; 第三竖排图标Click 可调节光圈大小,对应图像的明亮.

The third vertical icon-- Click to adjust the size of the aperture, corresponding to the bright image.

The first icon is 3D PTZ, after Clicking on, you can rotate to Click the image position by Clicking the screen. You can also turn to the frame to select the image position and zoom in/reduce the image through the frame. Turn on the right to the left to the selected position and shrink the multiples of the corresponding proportion

The second icon is automatic focus, Click to automatically adjust the clarity of the scene;

The third icon is to reset the preset point. After Clicking, the preset point of the settings will be reset;

The fourth icon is the watch mode. After Clicking, you will start the actions of the Watching position according to the set watch;

The fifth icon is manual tracking mode. After Clicking, use the left mouse button box to select the target to be tracked at the preview interface. The high -speed ball can automatically make the target always at the center of the vision. model.



Preset Mode:

Click to view the image of preset point, as below picture;

Click or to add new preset point, The preset point screen is displayed below the preview interface, the preset point will be displayed on the left, the preset point that has been set is dark display, and the preset preset point gray display.

Click to rotate to the position of preset via the shortest route Click Name box to modify preset name, Click Time box to modify stay time at preset point.

Click to delete preset point;

Click Start Cruise.

Watch Mode:

Time Interval: Watch point stay time, stop operation and keep to home position interval time.

Mode: Select watch mode, Default, Preset, Line Scan, Tour, Pattern Scan;

Click Start Cruise.



Line Scan:

Area scan: Click to record the start position, move PTZ , Click to record the stop position;

Click start Line Scan cruise, PTZ in this mode was move at same horizontal direction.

### **USER MANUAL**



#### Tour:

Time Interval: Stay time at each preset point Click to add new preset, Click to delete preset point. Click /move up or down the preset point, Click to start cruise.

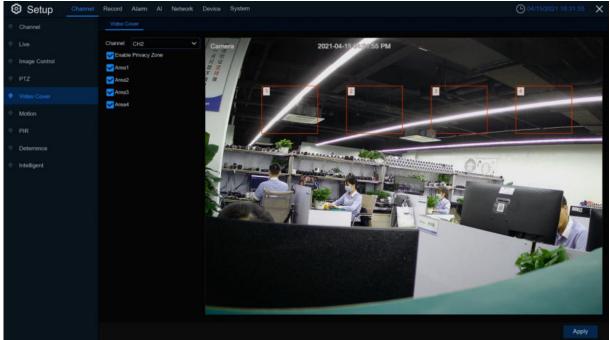


Pattern Scan:

Record: Click start record cruise route, Click stop record. Cruise: Click start cruise on the previous record route.

# 5.1.5 Video Cover

This menu allows you to create privacy zone(s) if you want to partially cover some certain part of the image. You can create up to 4 privacy zones in any size and location on the camera image. Enable the Privacy Zone, and choose how many zones you need. The zone(s) appear as "red box". Click the edge of the red box and drag it to any size to create a privacy zone.



Note: The area of privacy zones you had set will be invisible in both live view & recording video.

# 5.1.6 Motion

This menu allows you to configure motion parameters. When motion has been detected by one or more cameras, your DVR will alert you to a potential threat at your home. It does this by sending you an email alert with an attached image from the camera to use as a reference (if this option is enabled) and/or sending push notifications via the mobile app.

Setup Channel	Record Alarm Al Network	k Device System					04/01/2022 14:35:21	1
Channel	Motion							
Image Control	Channel	Setup	Switch	Sensitivity	Y Deten			
	CH1 CH2		8 8		~ ~	2		
Video Cover	СН2		2		× ×			
	CH4	0	2					
PIR	CH5		2					
	CH6		8					
Deterrence	CH7		2			2		
Intelligent	CH8					2		
		*						
							Alarm App	ply

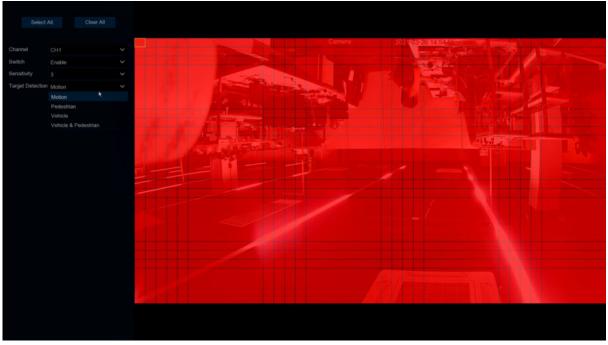
Switch: Enable or disable motion detection.

**Sensitivity**: Set the sensitivity level. Level 1 the lowest sensitivity level while level 8 is the highest sensitivity level.

**Deterrence :** Enable spotlight linkage alarm. When PIR alarm is triggered, the spotlight will be triggered

Setup: Click 🙆 icon into the setup page.

### **USER MANUAL**



Target Detection: Select trigger detection type. There are four options like Motion, Pedestrian, Vehicle, Vehicle&Pedestrian.

Motion Detection Area:

The whole screen is marked for motion detection (red blocks) as default. If you want to disable the motion detection on a certain area, Click the grid cursor and then drag the mouse to highlight the scope to unmark the area into transparent blocks. After setting is completed, Click the right button of your mouse to return and Click "Apply" to make the area setup effective. Click Alarm button to configure the motion detection alarm function: 5.3.1 Motion Detection

# 5.1.7 PIR

This is an optional function. If your camera has PIR function, you can configure the PIR recording here.

Setup	Channel	Record	Alarm	Al Networ	k Device	System						<b>()</b> 05/06/2021 13:15:5	5 ×
Channel		PIR											
Eive			Chanr	ei		Setup	Switch	e	ensitivity	Deterr			
Image Control			CHI			(D)	Switch		enanony				
PTZ													
Video Cover													
Motion													
♦ PIR													
Deterrence													
Intelligent										k			
												Alarm Ap;	bly

PIR alarm menu, while trigger PIR alarm, it's same to motion to send notification information to email and APP.

Switch: Enable or disable PIR recording.

**Sensitivity**: Set the sensitivity level. Level 1 the lowest sensitivity level while level 8 is the highest sensitivity level.

**Deterrence** : Enable spotlight linkage alarm. When PIR alarm is triggered, the spotlight will be triggered

Setup: Click 🧐 icon into the setup page.



Click Alarm button to configure the PIR detection aları

#### PIR Detection Area:

Click Select All to set the whole screen of the camera as PIR detection area. Click Delete All to clear the area. You can also set an area in the screen by drawing a pentagon in the screen. If you want to edit the size of the area, please check the box and change the position. After setting is completed, Click the right button of your mouse to return and Click Apply to make the area setup effective.

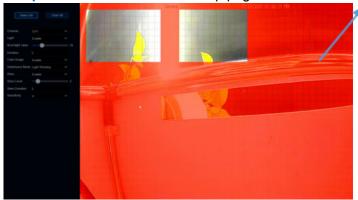
# 5.1.8 Deterrent

Spotlight alarm can be configured in this menu. It requires that the NVR and camera can support this function.

Channel									
	Channel	Setup	Sensitivity 🗸	Light V	Schedule	Duration	Siren 🗸	Schedule	Siren Duration
Image Control	CH1	۲			۲		<b>2</b>	۲	
Video Cover	CH2								
Motion									
Motion									
	CH6								
Intelligent									
Intelligent	CH8								

Channel: Channel name

Setup: Click 🧐 icon into the setup page.



#### Deterrent Detection Area:

Click Select All to set the whole screen of the camera as deterrent detection area. Click Delete All to clear the area. You can also set an area in the screen by drawing a pentagon in the screen. If you want to edit the size of the area, please check the box and change the position. After setting is completed, Click the right button of your mouse to return and Click Apply to make the area setup effective.

Light Switch: To enable spotlight alarm

Flood light valve: Set the sensitivity level, the higher the value, the easier it is to trigger alarm. Duration: Set the spotlight alarm time period

**Color Image**: To enable or disable color mode (Note: After turning on, trigger white light deterrence at night will switch the screen from the night vision to the color mode)

**Deterrence Mode**: Set white light mode, there are two kinds of mode like Light Warning and Light Strobe

Strobe Frequency: Flashing frequency of white light

Siren Switch: To enable alarm siren

Siren Level:White light alarm sound level

Siren Duration: Set the alarm siren time period

**Sensitivity:**Set the sensitivity level. Level 1 the lowest sensitivity level while level 8 is the highest sensitivity level.

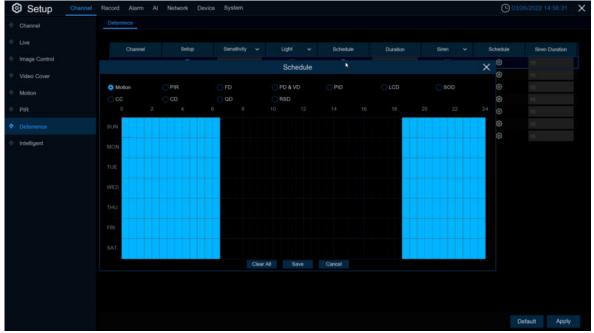
Schedule: Click 🧐 icon into the setup page



When IP camera connected to DVR via client port, the setup page as below picture.

While schedule draw to blue, it means that during this period white light detection can be trigger. **Default**: Load default

Note: On Motion or PIR setup page turn on **Deterrence** switch, while trigger motion or PIR, the white light will turn on.



When IPC connected to DVR via WEB port, the setup page as below picture:

Select different function pages to set up White light/Siren linkage alarm schedule. **Clear All:** To delete all of pages blue mark.

# 5.1.9 Intelligent

The optional intelligent functions, including **Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Pedestrian Detection, Face Detection, and Cross Counting**.

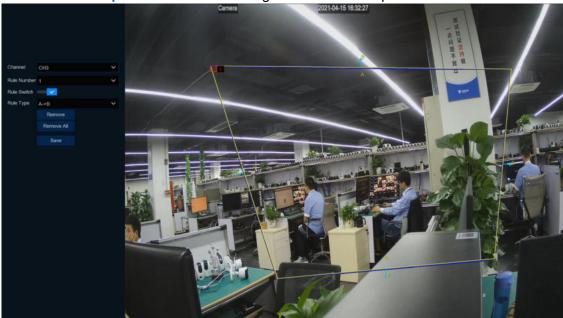
## 5.1.9.1 PID (Perimeter Intrusion Detection)

Perimeter Intrusion Detection function detects people, vehicle or other objects which enter and loiter in a pre-defined virtual region, and some certain actions can be taken when the alarm is triggered.

Setup Channel	Record Alarm Al Network Device	System		(	04/11/2022 19:39:29	×
Channel	PID LCD PD & VD SOD FD CC	Sound Detection Video Tampering	Schedule Cross Counting Statistics			
⊕ Live	Channel	Setup	Switch V	Sensitivity		
Image Control	IP CH8	Senip	Switch V	3		
PTZ						
🔹 Video Cover						
Motion						
• PIR						
Deterrence						
• Intelligent						
				Alarm Copy	Default finds	
				Alarm Copy	Default Apply	

Switch: Enable or disable the PID function Sensitive: The sensitivity level is from 1 to 4. Higher sensitivity will be easier to

trigger the detection.



Area: Click Setup 😳 to draw a virtual region in the camera picture.

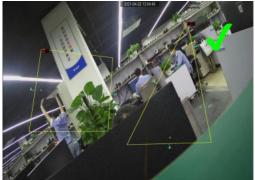
1. Channel: Select the channel you want to configure

- 2. **Rule Number**: Choose one of the Rule Number. It is the number of PID area. Maximum 4 areas you can set for PID function.Each rule switch and rule type is separately, it need to turn on/off separately.
- 3. Rule Switch: To enable the detection
- 4. Rule Type: Choose a Rule Type
  A B: DVR will only detect the action from side A to side B;
  B A: DVR will only detect the action from side B to side A;
  A B: DVR will detect the action from either side B to side A or side A to side B;
- 5. Use your mouse to Click 4 points in the camera picture to draw a virtual region. The sharp of the region should be a convex polygon. Concave polygon will be not able to save.
- 6. Click "Save"to save your settings.
- 7. If you want to modify the position or sharp of region, Click the red box in the region, the borders of the region will be changed to red color. Long press the left button of your mouse to move the position of the region, or drag the corners to resize the region.
- 8. If you want to remove one of the regions from the camera picture, Click the red box in the region and then Click "Remove" button. Click "Remove All" will delete all regions.

### Notice:

- 1) The perimeter shall not be too close to the edges/corners of the camera picture, since it may fail to trigger the detection when the target pass through the edges/corners.
- 2) The shape of the regions shall not be too narrow/small, since it may fail to trigger the detection when the target passes through outside the perimeter.





Click "Alarm" button to configure PID alarm function, Please view <u>5.3.4.1 PID (Perimeter Intrusion</u> <u>Detection)</u>

(Note: Trigger PID, there are "S" shows on preview windows.Besides, PID and LCD/SOD are allowed to turn on at the same time. PD/FD/CC are mutually exclusive, not allowed to turn on at the same time.)

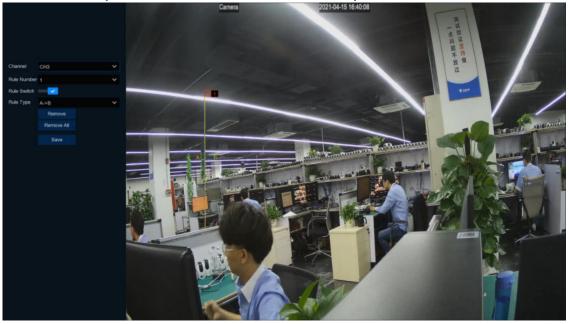
## 5.1.9.2 LCD (Line Crossing Detection)

Line Crossing Detection function detects people, vehicle or other objects which cross a pre-defined virtual line, and some certain actions can be taken when the alarm is triggered.

Setup Channel	Record Alarm Al Network Device	System		C		×
Channel	PID LCD PD & VD SOO FD CC	Sound Detection Video Tampering	Schedule Cross Counting Statistics			
👻 Live						
Image Control	Channel IP CH8	Setup	Switch 🗸	Sensitivity		
PTZ	*		-			
Video Cover						
Motion						
• PIR						
Deterrence						
• Intelligent						
				Alarm Copy	Default Apply	/

Switch: Enable or disable the LCD function

**Sensitive**: The sensitivity level is from 1 to 4. Higher sensitivity will be easier to trigger the detection.



Area: Click Setup 😳 to draw a virtual line in the camera picture.

- 1. Channel: Select the channel you want to configure
- Rule Number: It is the number of LCD lines. Maximum 4 lines you can draw, Choose one of the Rule Number. It is the number of LCD area. Maximum 4 areas you can set for LCD function. Each rule switch and rule type is separately, it need to turn on/off separately.

- 3. **Rule Switch**: To enable the detection.
- 4. **Rule Type**: Choose a Rule Type
  - ADB: DVR will only detect the action from side A to side B;
  - $B \square A$ : DVR will only detect the action from side B to side A;
- $A \square \square B$ : DVR will detect the action from either side B to side A or side A to side B.
- 5. Use your mouse to Click 2 points in the camera picture to draw a virtual line.
- 6. Click **Save** to save your setting.
- 7. If you want to modify the position or length of the line, Click the red box in the line, the color of the line will be changed to red color. Long press the left button of your mouse to move the line, or drag the terminals to modify the length or position of the line.
- 8. If you want to remove one of the lines from the camera picture, Click the red box in the line and then Click "Remove". Click "Remove All" will delete all lines.

Notice:

- 1) The lines shall not be too close to the edges of the camera picture, to avoid any failure to trigger an alarm when the target cross through it.
- 2) The lines shall not be set too short, to avoid any failure to trigger an alarm when the target passes outside it.



Click "Alarm" button to configure LCD alarm function: Please view <u>5.3.4.2 LCD (Line Cross</u> <u>Detection)</u>

(Note: Trigger LCD, there are "S" shows on preview windows.Besides, LCD and PID/SOD are allowed to turn on at the same time. PD/FD/CC are mutually exclusive, not allowed to turn on at the same time.)

## 5.1.9.3 SOD (Stationary Object Detection)

Stationary Object Detection function detects the objects left over or lost in the pre-defined region such as the baggage, purse, dangerous materials, etc., and a series of actions can be taken when the alarm is triggered.

### **USER MANUAL**

Setup Channel	Record Alarm Al Network De	vice System			O4/11/2022 19:40:29	×
Channel	PID LCD PD & VD SCO FD	CC Sound Detection Video Tampering	Schedule Cross Counting Statistics			
Live						
Image Control	Channel IP CH2	Setup	Switch 🗸	Sensitivity		
• PTZ	IP CH6	0				
Video Cover						
Motion						
• PIR						
Deterrence						
• Intelligent						
					Alarm Apply	

Switch: to enable or disable the SOD function

**Sensitive:** The sensitivity level is from 1 to 4, with a default value of 2. Higher sensitivity will be easier to trigger the detection.



Area: Click Setup <sup>(2)</sup> to draw a virtual line in the camera picture.

- 1. Channel: to select the channel you want to configure
- 2. Rule Number: It is the number of LCD lines. Maximum 4 lines you can draw, Choose one of the Rule Number. It is the number of LCD area. Maximum 4 areas you can set for LCD function. Each rule switch and rule type is separately, it need to turn on/off separately.
- Rule Switch: To enable the detection.
   Rule Type: Choose a Rule Type. Legacy: DVR will only detect the left-over objects; Lost: DVR will only detect the lost objects; Lost&Legacy: DVR will detect both left-over & lost objects.

- 5. Use your mouse to Click 4 points in the camera picture to draw a virtual region. The sharp of the region should be a convex polygon. Concave polygon will be not able to save.
- 6. Click Save to save your settings.
- 7. If you want to adjust the size of the region, Click the red box in the region, the borders of the region will be changed to red color. Long press the left button of your mouse to move the whole region, or drag the corners to resize the region.
- 8. If you want to remove one of the regions from the camera picture, Click the red box in the region and then Click "Remove" button.Click "Remove All" will delete all regions.

Notice:

1) The area for detection shall be greater than or equal to the size of the detected object, such as

the detection of a white bottle.

2) The detected object cannot be covered.



Click "Alarm"button to configure SOD alarm function:Please view <u>5.3.4.3 SOD(Stationary Object</u> <u>Detection)</u>

(Note: Trigger SOD, there are "S" shows on preview windows.Besides, SOD and PID/LCD are allowed to turn on at the same time. PD/FD/CC are mutually exclusive, not allowed to turn on at the same time.)

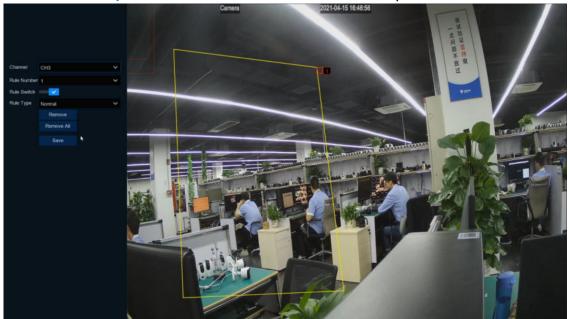
## 5.1.9.4 PD (Pedestrian Detection)

Pedestrian Detection function detects the moving people in a pre-defined region, and a series of actions can be taken when the alarm is triggered.

Setup Channel	Record Alarm Al Network Device	System			O 04/11/2022 19:40:52	×
Channel	PID LCD PD & VD SOO FD CC	Sound Detection Video Tampering	Schedule Cross Counting Statistics			
🕆 Live						
Image Control	Channel IP CH8	Setup	Switch	Level		
• PTZ						
🔶 Video Cover						
Motion						
PIR	•					
Deterrence						
• Intelligent						
				Alarm Copy	Default Apply	
		<b>•</b> • •		мат Сору	Default Appy	

Switch: to enable or disable the PD function

Level: Small, Middle & Big. Small level is recommended to detect objects in long distance. Big level is recommended to detect objects in short distance.



Area: Click Setup <sup>(2)</sup> to draw a virtual line in the camera picture.

- 1. Channel: to select the channel you want to configure
- 2. Rule Number: to select the rule number, it's the PD area number and this function only can be setup one zone.

- 3. Rule Switch: To enable the detection.
- 4. Rule Type: To select "Rule Type", only one option "Normal" can be setup.
- Use your mouse to Click 4 points in the camera picture to draw a virtual region. The sharp of the region should be a convex polygon. Concave polygon will be not able to save.
- 6. Click **Save** to save your settings.
- 7. If you want to adjust the size of the region, Click the red box in the region, the borders of the region will be changed to red color. Long press the left button of your mouse to move the whole region, or drag the corners to resize the region.
- If you want to remove one of the regions from the camera picture, Click the red box in the region and then Click "Remove" button.Click "Remove All" will delete all region.

#### Notice:

- 1) The region for detection shall not be in the area that people cannot reach.
- 2) The region should include the complete front face.



Click "Alarm" button to configure PD alarm function: Please view <u>5.3.4.4 PD&VD</u> (Pedestrian Detection &Vehicle Detection)

(Note: Trigger PD&VD, there are "S" shows on preview windows.Besides, PD&VD and FD/CC are allowed to turn on at the same time. PID/LCD/SOD are mutually exclusive, not allowed to turn on at the same time.)

## 5.1.9.5 FD (Face Detection)

Face Detection function detects the faces of moving people appear in a pre-defined region, and a series of actions can be taken when the alarm is triggered.

Setup Channel	Record Alarm Al Network Device Syst	em		O4/22/2021 13:58:43 ×
Channel	PID LCD 500 PD FD CC Sound D	election Video Tampering Schedu	le Cross Counting Statistics	
· Live	Channel	Setup	Switch 🗸	
Image Control	IP CH6	(i)	Switch	
• PTZ				
Video Cover				
Motion	IP CH17			
PIR				
Deterrence				
intelligent				
	*			
				Alarm Apply
				Alarm Apply

Switch: To enable or disable the FD function

**Sensitive:** The sensitivity level is from 1 to 4, with a default value of 2. Higher sensitivity will be easier to trigger the detection.



Area: Click Setup <sup>(2)</sup> to draw a virtual line in the camera picture.

- 1. Channel: To select the channel you want to configure
- 2. **Rule Number**: To select the rule number, it's the FD area number and this function only can be setup one zone.
- 3. Rule Switch: To enable the detection.
- 4. Rule Type: To select "Rule Type", only one option "Normal" can be setup.

- 5. Use your mouse to Click 4 points in the camera picture to draw a virtual region. The sharp of the region should be a convex polygon. Concave polygon will be not able to save.
- 6. Click Save to save your settings.
- 7. If you want to adjust the size of the region, Click the red box in the region, the borders of the region will be changed to red color. Long press the left button of your mouse to move the whole region, or drag the corners to resize the region.
- 8. If you want to remove one of the regions from the camera picture, Click the red box in the region and then Click "Remove" button.Click "Remove All" will delete all region.

### Notice:

1) The area for detection shall be greater than or equal to the size of the detected object, such as the detection of a white bottle.

2) The detected object cannot be covered.



Click "Alarm" button to configure FD alarm function: Please view <u>5.3.4.5 FD (Face Detection)</u>

(Note: Trigger FD, there are "S" shows on preview windows.Besides, FD and PD/CC are allowed to turn on at the same time. PID/LCD/SOD are mutually exclusive, not allowed to turn on at the same time.)

# 5.1.9.6 CC (Cross-Counting)

Setup Chan	nel Record	Alarm Al Network	k Device	System						O 🖬	/11/2022 19:42	27 >
Channel		LCD PD & VO SOO	FD CC	Sound Detection	Video Tampering	Schedule	Cross Counting S	itatistics				
Image Control		Channel IP CH8		Se			Switch		Sen 2	sitivity		
Video Cover												
Motion												
PIR												
Deterrence												
											Alarm A	pply

Cross-Counting function counts the times for moving objects or people across the virtual lines.

Sensitive: The sensitivity level is from 1 to 4, with a default value of 2. Higher sensitivity will be easier to trigger the detection.

Switch: To enable or disable the CC function

# Area: Click Setup 🙆 to draw a virtual line in the camera picture.



- 1. Channel: To select the channel you want to configure
- 2. Rule Number: To select the rule number, it's the CC area number and this function only can be setup Maximum 4 lines.
- 3. Rule Switch: To enable the detection in Rule Switch
- 4. **Rule Type**: To enable the detection
- 5. Start Time: Set the count start time.
- 6. End Time: Set the count end time.

- 7. Reset Count: Clear the count and count again.
- 8. Rule Number: Rule number, there can only be one set of rules
- 9. Rule Type:
  - a) A->B, DVR will count people or objects from side A to side B.
  - b) B->A, DVR will count people or objects from side B to side A.
- 10. Click Save to save your settings.
- 11. If you want to modify the position or length of the line, Click the red box in the line, the color of the line will be changed to red color. Long press the left button of your mouse to move the line, or drag the terminals to modify the length or position of the line.
- 12. If you want to remove one of the lines from the camera picture, Click the red box in the line and then Click "Remove" button. Click "Remove All" will delete all lines.

### Notice:

- 1) The lines shall not be too close to the edges of the camera picture, to avoid any failure to trigger an alarm when the target cross through it.
- 2) The lines should be in the area that detected object can be reach.
- 3) The lines shall not be set too short, to avoid any failure to trigger an alarm when the target passes outside it.



Click "Alarm" button to configure CC alarm function, Please view in 5.3.4.6 CC (Cross-Counting)

You are able to search & view the statistical result of cross counting in <u>5.1.9.6 Cross Counting</u> <u>Statistics</u>.

(Note: Trigger CC, there are "S" shows on preview windows.Besides, CC and FD/PD are allowed to turn on at the same time. PID/LCD/SOD are mutually exclusive, not allowed to turn on at the same time.)

## 5.1.9.7 Sound Detection

Channel	PID LCD PD & VD	SOD FD CC So		ampering Schedule C			
	Channel	Switch 🗸	Rise	Rise Sensitivity	Sound Intensity	Decline	<ul> <li>Decline Sensitivity</li> </ul>
Image Control	CHI	awitari 👻	Enable V		50	Enable V	
PTZ	CH2		Enable ~		50	Enable ~	
	CH3	8	Enable V			Enable ~	
Video Cover	CH4	0	Enable V		50	Enable V	
Motion	CH5	8	Enable V		50	Enable ~	
PIR	CH6		Enable V			Enable	
			Enable V			Enable ~	
Deterrence	СН8		Enable 🗸			Enable 🗸	
	СНЭ		Enable			Enable 🗸	
			Enable. V			Enable 🗸	
			Enable 🗸			Enable 🗸	
			Enable 🗸			Enable ~	
		8	Enable ~			Enable	
			Enable 🗸			Enable 🗸	
		8	Enable 🗸			Enable 🗸	
			Enable 🗸	50		Enable 🗸	
	IP CH1		Enable 🗸	100		Enable 🗸	100
	IP CH2		Enable 🗸	100	100	Enable 🗸	100
			Disable 🗸			Disable	

With the sound detection, it can trigger an alarm while detecting the sound rise or decline, and some certain actions can be taken when the alarm is triggered. **Enable**: Turn on/off the Sound Detection function.

Rise: Switch of volume rised, the alarm will be triggered only when volume rise sharply.

**Rise Sensitive**: The sensitivity of volume rised, the larger the value, the easier to trigger the alarm

**Sound Intensity**: Configuration of sound intensity, it is the sound threshold. The higher the threshold, the louder the spike alarm needs to be to trigger. Set up value from 1—100.

**Decline**: Switch of volume drop sharply, the alarm will be triggered only when volume rise sharply.

**Decline Sensitive**: The sensitivity of drop sharply, the larger the value, the easier to trigger the alarm.Set up value from 1—100.

Schedule: Schedule of sound alarm setting. Only will be triggered during the schedule time.

Click "**Alarm**" button to configure **Sound Detection** function, Please view in <u>5.3.4.7 Sound</u> <u>Detection</u>

# 5.1.9.8 Video Tampering

Setup Channe	Record Alarm Al Network Device	System			O4/11/2022 19:25:18
Channel	PID LCD PD & VD SOD FD CC	Sound Detection Video Tampi	ring Schedule Cross Co	unting Statistics	
Image Control	Channel	Switch	✓ Sensitiv		
PTZ	CH1 CH2			~ ~	
PIZ	СН2			~ ~	
Video Cover	CH4		6		
Motion	CH5				
PIR	CH6				
Deterrence	CH8	<b>ب</b> 🗆			

The alarm triggered when the camera be covered largely.

Switch: Enable or disable the alarm caused by video cover.

**Sensitivity:**Sensitivity has six options from 1 to 6,default is 4.Sensitivity setting, the larger the value, the easier to trigger the alarm.

Click "Alarm" button to configure Video Tampering function, Please view in <u>5.3.4.8 Video</u> Tampering.

## 5.1.9.9 Schedule

Setup Channel	Record Alarm	Al Network	Device Sy	stem						G	04/15/2021 16:50	145 X
Channel				Detection	Video Tampering	Schedule	Cross Counting	Statistics				
O Live	Channel CH1											
Image Control											24	
• PTZ	SUN MON											
Video Cover	TUE											
Motion	WED											
PIR	тни											
Deterrence	FRI											
Intelligent	SAT											
											Default 4	Apply

In order to active the intelligent function, you need to configure the schedule. The schedule will be active in 24 hours x 7 days.

To set the schedule, choose one channel then drag the cursor to mark the slots. The sky-blue blocks in the time slots will be active for Intelligent detentions. The schedule is valid only for the selected channel each time when you set. If you want to use the same schedule for other channels, use **Copy** function. Click **Save** to save your settings.

## 5.1.9.10 Cross Counting Statistics

This menu can make statistics for alarms caused by the cross counting and draw a linear or bar chart.

Setup Channel	Record Alarm Al Netwo	k Device System			(94/15/2021 10:51:25 X
Channel			Video Tampering Schedule Cross Counting 51	atistics	
♥ Live	Channel CH3 🛩	Date 04/15/2021	Report Type Daily Report 🛩		
Image Control	Cross Type Cross In 👻			Column Chart Line Chart	
PTZ					
Video Cover					
Motion					
© PIR					
Deterrence					
Intelligent					
			02:00 - 02:59		
			03.00 - 03.59		
			04.00 - 04.59		
			05:00 - 05:59		
			08:00 - 06:59		

**Channel** : Select the channel wanted.

Date : Select the date wanted

**Report Type**: Select the report type, reports can be generated by Daily Report, Weekly Report, Monthly Report, Annual Report.

Cross Type: Select the cross type, cross in and cross out for option. Click Search button to search CC statistics data Export: Export the file to external USB drive. Select Column Chart like upper picture shows the result. Select Line Chart like below picture shows the result.

Setup Chan	Record Alarm Al Network Device System		O 04/16/2021 09:36:33 X
Channel		Video Tampering Schedule Cross Counting Statistics	
<ul> <li>Live</li> </ul>	Channel CH3 🗸 Date 04/15/2021 🛗	Report Type Daily Report 👻	
Image Control	Cross Type Cross In 🛩	Column Chart	Line Chart Search Export
÷ ptz	19 r		
Video Cover			<b>h</b>
Motion	•		
♦ PIR			
Deterrence			
Intelligent		~	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 10 17 18 19 20 21 22 23
		00:00 - 00:59	
		02:00 - 02:59	
		03:00 - 03:59	
		04:00 - 04:59	
		05:00 - 05:59	
		06.00 - 06.59	

# 5.2 Record

This menu allows you to configure the recording parameters

# 5.2.1 Encode

This menu allows you to configure the recording video or network transmission picture quality. Generally, Mainstream defines the recording video quality which will be saved in the HDD; Sub stream defines the video quality which is being viewed via remote access, for example web client & CMS; Mobile stream defines the video quality which is being viewed via remote access via mobile devices.

## 5.2.1.1 Main Stream

	Mainstream	Substream		eam Audio											
rd	Channel	StreamTy	pe	Resolution		FPS		leo Encode Type 🗸	Bitra		Bitrate Mode		Bitrat		Audio
	CH1	Normal		3840 x 2160				265 🗸 🗸	CBR		Predefined		6144		~
	CH2	Normal		3840 x 2160				264 🗸 🗸	CBR		Predefined		6144		<b>V</b>
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		\$
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		5
	CH5	Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		Y
	CH6	Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		×
		Norma		3840 x 2160				264 🛩	CBR		Predefined		6144		<b>Y</b>
	CH8	Normal		3840 x 2160				264 ~	CBR		Predefined		6144		>
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		>
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		Y
		Normal		3840 x 2160				265 ~	CBR		Predefined		6144		Y
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		Y
		Normal		3840 x 2160				264 ~	CBR		Predefined		6144		X
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		Y
		Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		2
	CH16	Normal		3840 x 2160				264 🗸	CBR		Predefined		6144		Y
		Normal		2592 x 1944				264 🗸	CBR		Predefined		5120		×
	IP CH2	Normal		3840 x 2160				264 🗸	CBR		User-defined		4096		×
	IP CH3	Normal		2560 x 1440				265	CBR		User-defined		2048		Y
	IP CH4	Normal		2560 x 1440				265 🗸	CBR		User-defined		2048		Š
<b>Getup</b> Channe	Record Alarm	Al Netw		d Width 52Mbps levice Syste eam Audio									Copy	Default	
	Record Alarm	Al Netw Substream I	ork D Nobilestr	levice Syste eam Audio	em								© 2	2022-05-0	9)10:16:3
de rd	Record Alarm	Al Netw Substream I	ork D Mobilestr	evice Syste eam Audio Video Encod	em le Type		ate Control 💊			Bitrate		*		2022-05-0	9 10 16 3 ETR
	A Record Alarm Mainstream Resolution 1840 x 2160	Al Netw Substream I • FPS • 10	ork D Mobilestr	earn Audio Video Encod H.265	em le Type	✓ CBI	R V	Predefined		8192 🗸	<b>_</b>	~	© 2	2022-05-0	910.16:3 ETR
de rd	Record Alarm Mainstream Resolution 1840 x 2160 1840 x 2160	Al Netw Substream I • FPS • 10 • 10	ork D Mobilestr	evice Syst eam Audio Video Encod H 265 H 265	em le Type	<ul><li>CBI</li><li>CBI</li></ul>	r v r v	Predefined Predefined		8192 ×		~	© 2	2022-05-0	9 10 16 3 ETR
de rd	Record Alarm Mainstream Resolution 1840 x 2160 1840 x 2160 1840 x 2160	Al Netw Substream I V FPS V 10 10 10	ork D Mobilestr	evice Syste earn Audio Video Encod H 265 H 265 H 265	em le Type	<ul> <li>СВІ</li> <li>СВІ</li> <li>СВІ</li> </ul>	r v r v	Predefined Predefined Predefined		8192 × 8192 × 8192 ×	S G G	÷	© 2	2022-05-0	9 10:16:3 ETR
de rd	Record         Alarm           Mainstream         Resolution           1840 x 2160         1840 x 2160           1840 x 2160         1840 x 2160           1840 x 2160         1840 x 2160	Al Netw Substream 1 FPS 10 10 10 10	ork D Wobilestre	evice Syste earn Audio Video Encod H 265 H 265 H 265 H 265	em le Type	<ul> <li>CBI</li> <li>CBI</li> <li>CBI</li> <li>CBI</li> <li>CBI</li> <li>CBI</li> </ul>	R V R V R V	Predefined Predefined Predefined Predefined		8192 × 8192 × 8192 × 8192 ×		×	© 2	2022-05-0	9.10.16.3 ETR
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de rd	Record         Alarm           Mainstream         Resolution           1840 x 2160         1840 x 2160	Al         Netw           Substream         1           •         FPS           •         10           •         10           •         10           •         10           •         10           •         10           •         10           •         10	ork D Mobilestr	evice Systemeter Syste	em le Type	<ul> <li>CBI</li> <li>CBI</li></ul>	R V R V R V R V R V R V	Pradefined Predefined Predefined Predefined Predefined Predefined Predefined		8192       8192       8192       8192       8192       8192       8192       8192       8192	6 6 6 6 6 6	Ŷ	© 2	2022-05-0	ETR
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de rd	Record         Alarm           Mains tream         Resolution           1840 x 2160         1840 x 2160	Al         Netw           Substream         I           V         FPS           V         10	ork D Mobilestri >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	evrice Syste earn Audio H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265 H.265	em	<ul> <li>CBI</li> <li>CBI</li></ul>	R v R v R v R v R v R v R v R v R v R v	Predefined		8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192       8192		×	© 2	2022-05-0	9 10 16 3
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de rd	Record         Alarm           Mainstream         Resolution           1840 x 2160         1840 x 2160           1840 x 2160         1840 x 2160	Al         Netw           Substream         I           V         FPS           ID         ID           ID         ID           V         ID	Ork         D           Mobilestric         2           2         <	evice Syste am Audio H 265 H 2	em	V         CBUE	R ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Prodefined     P		8192        8193			60 40 30	2022-05-0	ETR ETR 
de rd	Record         Alarm           Mainstream         Resolution           1840 x 2160         1840 x 2160	Al         Network           Stubstream         1           •         FPS           •         10      ·         •         10           •         10           •         10           •         10           •         10           •         10           •         10           •         10           •         10	ork     D       Mobilestri       >	evice Syste am Audio Nidee Encod H 265 H 265	em	×         CBI           × <t< td=""><td>R ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~</td><td>Prodefined     Prodefined     Prodefined</td><td></td><td>8192        8192</td><td></td><td></td><td>60</td><td>2022-05-0</td><td>ETR </td></t<>	R ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Prodefined		8192        8192			60	2022-05-0	ETR 

**Resolution**: This parameter defines how large the recorded image will be.

**FPS**: This parameter defines the number of frames per second the DVR will record.

Video Encode Type: Channel video encode type, there are four options like H.264, H.265, H.264+, H.265+.

**Bitrate Control**: Select the bitrate level. For a simple scene, such as a gray wall is suitable constant bitrate (**CBR**). For more complex scene, such as a busy street is suitable variable bitrate (**VBR**).

Video Quality: Lowest, Lower, Low, Medium, Higher, Highest

**Bitrate Mode:** If you want to set the bitrate by yourself, then choose **User-defined** mode. If you want to select the predefined bitrate, choose **Predefined** mode.

**Bitrate**: This parameter corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrate, will be of better quality.

Audio: Select this option if you want to record audio along with video and have a microphone connected to the DVR or using a camera with audio capability.

I Frame Interval : Set I Frame Interval, only available for IP channel.

**ETR:** If enable it, there will be two different frames and resolutions when alarm triggered and not triggered.

Audio menu tab: Setting for camera audio(need device support)

## 5.2.1.2 Sub Stream

ecord		Channel	Stream	туре	Resolution				teo Encode Type		Bitrate Control		ideo Quality	Bitrate Mode		Bitrate	
ipture			No		704 x 480				265		CBR			Predefined			
		CH2	No	mal	704 x 480				265		C8R			Predefined			
			No	mal	704 x 480				265		CBR			Predefined		512	
		CH4	No	mal	704 x 480				265		CBR			Predefined			
			No	mal	704 x 480				265		CBR			Predefined			
		CH6	No	mal	704 x 480				265		CBR			Predefined			
			No	mal	704 x 480				265		CBR			Predefined			
		CH8	No	mal	704 x 480				265		CBR			Predefined			
			No	mal	704 × 480				265		CBR			Predefined			
			No	mal	704 x 480				265		CBR			Predefined			
			No		704 x 480				265		CBR .			Predefined			
			No	mal	704 x 480				265		CBR .			Predefined		512	
			No	mal	704 x 480				265		CBR			Predefined			
			No	mat	704 x 480				265		CBR			Predefined			
			No	mal	704 x 480				265		CBR V			Predefined			
			No	nat	704 x 480				265		CBR			Predefined			
			No	mat	640 x 480				264		VBR	н	tighest	Predefined		4096	
		IP CH2	No	mat	1280 x 720				264		CBR			Predefined		4096	
		IP CH3	No	mal	640 x 480				264		CBR			User-defined			
		IP CH4	No	mal	640 x 480				264		CBR S			User-defined		512	
Setup	Channel	Record Al	arm Al N	etwork	and Width 52Mbp Device Sys Istream Audio	stem								per residence	Defaul	it Ap	
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ode cord	Channel	Record Ali Mainstream Resolution	arm Al N Substream	Mobile	Device Sys astream Audio Video Encode	item ie Type 🗸		te Control 🗸		· ~	Bitrate Mode	•	Bitrate	C 0 Audio	4/11/2	00 - 01 - 01 - 01 - 01 - 01 - 01 - 01 -	
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**Resolution**: This parameter defines how large the recorded image will be. **FPS**: This parameter defines the number of frames per second the DVR will record. **Video Encode Type:** Channel video encode type, there are five options like **H.264**, **H.265**, **H.264+**, **H.265+** and **MJPEG**.

**Bitrate Control**: Select the bitrate level. For a simple scene, such as a gray wall is suitable constant bitrate (**CBR**). For more complex scene, such as a busy street is suitable variable bitrate (**VBR**).

Video Quality: Lowest, Lower, Low, Medium, Higher, Highest

Bitrate Mode: If you want to set the bitrate by yourself, then choose User-defined mode. If you want to select the predefined bitrate, choose **Predefined** mode.

**Bitrate**: This parameter corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrate, will be of better quality.

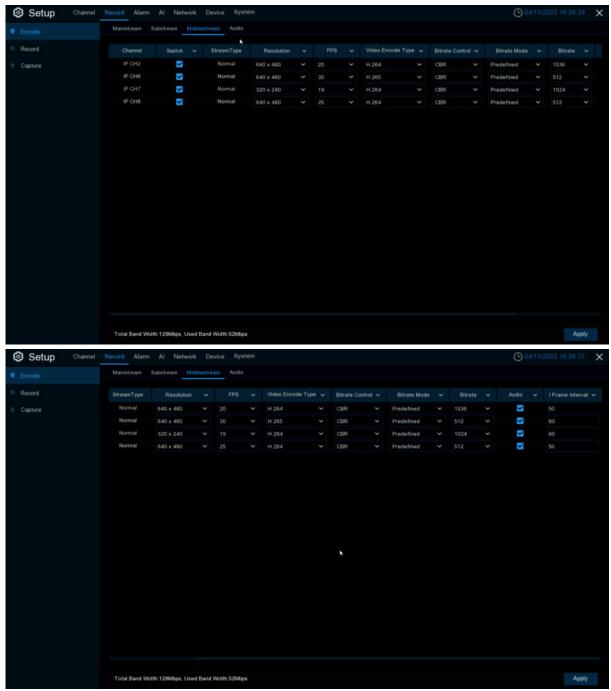
Audio: Select this option if you want to record audio along with video and have a microphone connected to the DVR or using a camera with audio capability.

I Frame Interval : Set I Frame Interval, only available for IP channel.

**ETR:** If enable it, there will be two different frames and resolutions when alarm triggered and not triggered.

Audio menu tab: Setting for camera audio(need device support)

## 5.2.1.3 Mobile Stream



**Resolution**: This parameter defines how large the recorded image will be. **FPS**: This parameter defines the number of frames per second the DVR will record. **Video Encode Type:** Channel video encode type, there are four options like H.264, H.265, H.264+, H.265+. **Bitrate Control**: Select the bitrate level. For a simple scene, such as a gray wall is suitable constant bitrate (**CBR**). For more complex scene, such as a busy street is suitable variable bitrate (**VBR**).

Video Quality: Lowest, Lower, Low, Medium, Higher, Highest

**Bitrate Mode:** If you want to set the bitrate by yourself, then choose **User-defined** mode. If you want to select the predefined bitrate, choose **Predefined** mode.

**Bitrate**: This parameter corresponds to the speed of data transfer that the DVR will use to record video. Recordings that are encoded at higher bitrate, will be of better quality.

Audio: Select this option if you want to record audio along with video and have a microphone connected to the DVR or using a camera with audio capability.

I Frame Interval: Set I Frame Interval, only available for IP channel.

**ETR:** If enable it, there will be two different frames and resolutions when alarm triggered and not triggered.

Audio menu tab: Setting for camera audio(need device support)

### 5.2.1.4 Audio

#### Audio menu: Setup IP camera audio(Support by camera).

Setup Channel	Record Alarm	Al Network I	Device System			O 04/11/2022 19:29:11 ×
	Mainstream Sut	ostream Mobilest	tream Audio			
Record	Channel	Enable 🗸	Output Volume 🐱	Input Volume 🗸	Туре 🗸	
Capture	IP CH1	~			G711A 💙	
	IP CH2	×				
		X			G711U 💙	
	IP CH6	>			G711U 💙	
		×			G711U 💙	
	IP CH8	5				
					(k)	
						Copy Default Apply

Enable : Enable camera audio. Output Volume : Set camera output volume. Input Volume : Set camera input volume. Type : Set camera audio decode type.

## 5.2.2 Record

This menu allows you to configure the channel recording parameters.

Setup	Channel Record	Alarm Al Netwo	rk Device System			O4/11/2022 19:29:40
Encode	Reco	rd Record Schedule				
		Channel	Record Switch 🗸	Stream Mode	PreRecord v	
Capture		CH1	<b>2</b>	DualStream	<b>2</b>	
		CH2		DualStream		
			2	DualStream	<b>S</b>	
		CH4	<b>S</b>	DualStream	<b>S</b>	
			5	DualStream		
	N.	CH6	3	DualStream		
			S	DualStream		
		CH8	<b>S</b>	DualStream		
			2	DualStream		
			V	DualStream		
			2	DualStream	<b>S</b>	
			2	DualStream	<b>S</b>	
			<b>V</b>	DualStream	<b>S</b>	
			2	DualStream	<b>X</b>	
			2	DualStream	<b>S</b>	
			<b>X</b>	DualStream	2	
		IP CH1	<b>M</b>	DualStream	<b>S</b>	
		IP CH2	2	DualStream		
			Y	DualStream		
		IP CH4	2	DualStream		
			<b>F</b>		<b>F</b> 3	
						Copy Default Apply

- - - -

**Record Switch**: Check to enable the recording in this channel.

Stream Mode: Choose the recording quality. If you choose Dual-stream, the system will record in both Mainstream & Sub stream.

PreRecord: If this option is enabled, the DVR starts recording a few seconds before an alarm event occurs. Use this option if your primary recording type is motion or I/O alarm based.

### 5.2.2.2 Record Schedule

This menu allows you to specify when the DVR records video and defines the recording mode for each channel. The recording schedule lets you set up a schedule like, daily and hourly by normal (continuous) recording, motion recording, I/O alarm recording & PIR recording (if your DVR supports). To set the recording mode, Click first on the mode radio button (Normal, Motion, IO, PIR), then drag the cursor to mark the slots. The recording schedule is valid only for one channel. If you want to use the same recording schedule for other channels, use **Copy** function. Click **Apply** to save your settings.



**Channel**: Select the channel to set its recording parameters.

**Normal**: When the time slot is marked **green**, this indicates the channel performs normal recording for that time slot.

**Motion**: When the time slot is marked **yellow**, this indicates the channel records only when a motion is detected during that time slot.

**IO**: When the time slot is marked **red**, this indicates the channel records only when the sensor is triggered during that time slot.

**PIR**: When the time slot is marked **purple**, this indicates the channel records only when the PIR is triggered during that time slot.

**No Record:** A time slot marked black means that there is no recording scheduled for the time slot.

## 5.2.3 Capture

This menu allows to configure the image capture function.

### 5.2.3.1 Capture

Encode	Capture Capt	ure Schedule						
Record	Channel	Auto Capture 👻	Stream Type 👻	Normal Interval 🐱	Alarm interval 🐱	Alarm Resolution 🐱	Alarm Quality 🐱	
	CH1		Mainstream 👻	5 s 🗸	5s 🗸	1920 x 1080 🗸	Higher 🗸	
	CH2	<b>X</b>	Mainstream 🛩	5s 🗸	5s 🗸	1920 x 1080 🗸 🗸	Medium 👻	
		3	Mainstream 👻			1920 x 1080 🗸 🗸	Medium 😪	
		2	Mainstream 👻			1920 x 1080 🗸	Medium 😪	
	CH5	M	Mainstream 👻			1920 x 1080 🗸	Medium 😪	
	CH6	<b>S</b>	Mainstream 👻			1920 x 1080 🗸	Medium 👻	
		2	Mainstream 👻			1920 x 1080 🗸	Medium 😪	
	СНВ	M	Mainstream 👻			1920 x 1080 🗸	Medium 🗸	
		2	Mainstream 👻			1920 x 1080 🗸 🗸	Medium 🖌	
		2	Mainstream 😪			1920 к 1080 🗸	Medium 👻	
		<b>M</b>	Mainstream 😪			1920 x 1080 🗸	Medium 🗸	
		2	Mainstream 😪			1920 x 1080 😪	Medium 🖌	
		<b>S</b>	Mainstream 👻			1920 x 1080 🛩	Medium 🖌	
		2	Mainstream 😪			1920 x 1080 💙	Medium 🖌	
		2	Mainstream 😪			1920 x 1080 🛩	Medium 😪	
		2	Mainstream 😪			1920 x 1080 🛩	Medium 👻	
		<b>S</b>	Mainstream 💙					
	IP CH2	2	Mainstream 💙					
		<b>2</b>	Mainstream 👻					
	IP CH4	2	Mainstream 😪					

Auto Capture : Enable or disable automatic capturing on the channel. Stream Type : Select the image resolution by mainstream or sub stream. Normal Interval : Time interval to capture an image in normal recording. Alarm Interval : Time interval to capture an image when motion, IO alarm or PIR is triggered. Alarm Quality : The capture quality when alarm triggered, the higher the quality, the clearer the image.

### 5.2.3.2 Capture Schedule

Setup Channel	Record Alarm Al Network Device System	O 04/11/2022 19:30.54
Encode	Capture Capture Schedule	
Record	Channel CH1 V	
		Normal     Motion
		0 IO
		O PIR
	R.	
		Copy Default Apply

**Normal**: When the time slot is marked **green**, this indicates the channel performs normal capture for that time slot.

**Motion**: When the time slot is marked **yellow**, this indicates the channel capture images only when a motion is detected during that time slot.

**IO**: When the time slot is marked **red**, this indicates the channel capture images only when the sensor is triggered during that time slot.

**PIR**: When the time slot is marked **purple**, this indicates the channel capture images only when the PIR is triggered during that time slot.

No Capture: A time slot marked black means that it won't capture any images for the time slot,

but you can manually capture images if you enable the manual capture function in the channel.

### **5.3 Alarm Parameters**

In these section, you can configure the alarm parameters.

## **5.3.1 Motion Detection**

Setup Channel													
	Motion												
PIR	Channel	Buzzer	v 1	Narm Out	Latch Time		Record 🛩	Post Recording	♥ Shi	ow Message 🐱	Send Email 👻	FTP Picture Upload	
	CH1	OFF			10 s		O ON	30 s		~	~	<b>~</b>	
Intelligent	CH2	OFF			10 s		ON	30 s		Y	×	8	
	€ СН3	OFF						30 s		×.	2	2	
Combination Alarm	CH4	OFF					ON ON	30 s		S.	2	3	
PTZ Linkage	CH5	OFF			10 s		O ON	30 s		N	N	N	
Exception	CH6 CH7	OFF			10 s		<ul> <li>ON</li> <li>ON</li> </ul>	30 s		8 8	8 8	8 8	
Alarm Schedule	СН8	OFF	~	0	10 s		ON ON	30 s	~	S S	N E		
	CH9	OFF			10 s			30 s		2	8		
Voice Prompts	CH10	OFF		0	10 s		O ON	30 s		~	~		
		OFF			10 s			30 s		×	~	2	
		OFF					ON (			3	~	2	
		OFF								×	~	2	
		OFF			10 s		ON 🕞	30 s			<b>S</b>	<b>S</b>	
		OFF									<b>S</b>	<b>S</b>	
		OFF					ON ON	30 s		Y.	2	×	
	IP CH1	OFF			10 s			30 s		X	×	<b>S</b>	
	IP CH2	OFF					ON ON	30 s		Y	~	8	
		OFF						30 s		3	2	3	
	IP CH4	OFF					ON	30 s		2	3	<b>N</b>	
		rm Al Netw	ork Devi	ice Syst	tem					Motion		Default Ap	oply
Motion	Motion										O	04/11/2022 19:31:4	19
Mation PIR	Motion Post Recor	ding 🖌 Sho	w Message		d Email 🗸 🖓 FTI	P. Picture I		FTP Video Upload 🗸	Picture	to Cloud 👻 V	ideo to Cloud Fu	04/11/2022 19:31/4 EScreen ~ Voice Pr	19) rom
Mation	Motion Post Recor	rding v Sho	w Message		d Email 🗸 🛛 FTI	2		•	Picture	to Cloud 👻 V	O	04/11/2022 19:31 A I Screen ~ Voice Pr	19 romj
Mation PIR VO	Mation Post Recor 30 s 30 s	rding v Sho V	w Message V V		d Email 🗸 🛛 FTI	8 8		D D	Picture	to Cloud 🛩 V	ideo to Cloud Fu	04/11/2022 19:31 4 I Screen ~ Voice Pr	19) rom
Metion PIR VO Intelligent	Motion Post Recor 30 s 30 s 30 s	rding v Sho	w Message V V V		d Email 🗸 🛛 FTI V V	0.0		8 8	Picture	to Cloud 🗸 V	ideo to Cloud Fu	04/11/2022 19-31 4 I Screen ~ Voice Pr C C C C C C C C C C C C C C C C C C C	19 romp
Motion PIR VO Intelligent Combination Alarm	Motion Post Recor 30 s 30 s 30 s 30 s	ding v Sho v v	w Message V V V V		d Email 🗸 🛛 FTI V V V	0000		888	Picture	te Cloud 🗸 V V V V V	ideo to Cloud Fu	04/11/2022 19.31/4	19 rom; ) ) )
Motion PIR VO Intelligent Combination Alarm PTZ Linkage	Motion Post Recor 30 s 30 s 30 s	ding v Sho v v	w Message V V V		d Email 🗸 🛛 FTI V V	0.0		8 8	Picture	to Cloud 🗸 V	ideo to Cloud Fu	04/11/2022 19-31 4 I Screen ~ Voice Pr C C C C C C C C C C C C C C C C C C C	19 rom; ) ) )
Motion PIR VO Intelligent Combination Alarm PTZ Linkage	Motion Post Recor 30 s 30 s 30 s 30 s 30 s	ding v Sho v v	w Message		d Email v FTI S S S S S S S S S S S S S	0000		8 8 8 8 8	Picture	to Cloud V V V V V V V V V V V V V V V V V V V	ideo to Cloud Fu	04/11/2022 19.31/4	19 rom; ) ) ) )
Motion PIR VO Intelligent Combination Alarm PTZ Linkage Exception	Motion           Post Record           30 s	ding v She	w Message		d Email v FTI S S S S S S S S S S	<b>G G G G G G</b>		88888	Picture	to Cloud ~ V V V V V V V V V V V V V V V V V V V	ideo to Cloud Fu	04/11/2022 19.31/4	19 rom;
Motion PIR VO Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	Mation           Post Record           30 s	ding v She	w Message		d Email v FTI 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	000000000000		88888888	Picture	to Cloud v V	ideo to Cloud Ful	04/11/2022 19:31:4	19 rom;
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Mation PIR VO Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	Mation           30 k	ding v Sho	w Message		d Email v FTI	000000000000000		8888888888	Picture	to Cloud v V	ideo to Cloud Fu	04/11/2022 19:31:4	19 romp
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#### Channel: Channel name

**Buzzer**: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm Out: Tick to enable external alarm device to emit an alarm tone when Motion is triggered.

Latch Time: you can set how long the buzzer will sound when **Motion** is triggered (10s, 20s, 40s, and 1 min).

**Record**: Click <sup>(1)</sup> icon and choose which channel(s) you want to record when **motion** detection is triggered.

Record Channe									
Analog Channels	1								16
IP Camera									16

**Post Recording**: You can set how long motion record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes.

Show Message: Display motion messages on the screen when sensor is triggered,

show , on

Send <u>Mail</u>: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload:** To upload alarm images to FTP server when motion is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when motion is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**Picture to Cloud:** To upload alarm images to cloud storage when motion is triggered.Please view <u>5.6.2 Cloud</u>

**Video to Cloud:** To upload alarm videos to cloud storage when motion is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering the alarm, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

### 5.3.2 PIR

Setup Channel	Record Ala	m Al Netwo	ork Device Sy	stem				G		45 X
Mation	PIR									
	Channel	Buzzer	✓ Alarm Out		✓ Record ✓	Post Recording	✓ Show Message ✓	Send Email 🗸	FTP Picture Upload	
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Intelligent										
Combination Alarm										
PTZ Linkage										
Exception										
Alarm Schedule										
Voice Prompts										
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Setup Channel		m Al Netwo	ork Device Sy	stem				O		03 >
0 Motion	PIR									
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Combination Alarm										
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<ul> <li>PT2 Linkage</li> <li>Exception</li> </ul>										
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PTZ Linkage     Exception     Alarm Schedule						•	PIR Detect	on Capy	Defauft A	ppby

Channel: Channel name

**Buzzer**: The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when **PIR** is triggered.

Alarm Out: Tick to enable external alarm device to emit an alarm tone when a **PIR** is triggered. Latch Time: you can set how long the buzzer will sound when **PIR** is triggered (10s, 20s, 40s, and 1 min).

**Record**: Click <sup>(1)</sup> icon and choose which channel(s) you want to record when **PIR** is triggered.



**Post Recording**: You can set how long alarm record will last when **PIR** ends (30s, 1minutes, 2minutes, 5minutes.

Show Message: Display the alarm messages on the screen when PIR is triggered,

show icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload:** To upload alarm images to FTP server when PIR is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when PIR alarm is triggered. To enable FTP, please view 5.5.4 FTP

**Picture to Cloud:** To upload alarm images to cloud storage when PIR alarm is triggered.Please view 5.6.2 Cloud

Video to Cloud: To upload alarm videos to cloud storage when PIR alarm is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When **PIR** is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **PIR**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>

Copy Default Apply

### 5.3.3 I/O Alarm

This is an optional feature. If your DVR supports sensor I/O, and you connect to the external sensor I/O alarm device to work with DVR, it will appear.

Setup Channe		arm Al Netw	ork Dev	rice Syst	tem								<b>G</b> 04/11/2	
Matian	VD													
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	Local<-1	OFF		Disable			10 s			30 s		<b>N</b>	V	<b>N</b>
Intelligent	Local<-2	Normally-Open		Disable			10 s			30 s		3	Y	>
	Local<-3	Normally-Open		Disable								S	S	S
Combination Alarm	Local<-4	Normally-Open		Disable								2	<u>v</u>	×
PTZ Linkage	Local<-5	Normally-Open		Disable						30 s		2	V	×
Exception	Local<-6	Normally-Open		Disable						30 s		S	S	×
	Local<-7	Normally-Open		Dis-able			10 s			30 s		S.	N I	N
Alarm Schedule	Local<-8	Normally-Open		Disable			10 s			30 s		N I	N	×
Voice Prompts		Normally-Open		Disable						30 s		X	S	S
	Local<-10	Normally-Open		Disable			10 s			30 s		N	N	S
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	Local<-15	Normally-Open		Disable	Ş		10 s	~		30 s	~	8	8	8
	Local<-16	Normally-Open	*	Disable	~	0	10 s	*	0	30 s	*	2	2 2	2
	IP CH5<-1	OFF	~	Disable			10 s			30 s		5	N N	2
	IP CH6<-1		÷		~	0		~			~	3 3	B	2 2
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#### Alarm In: I/O channel.

**Alarm Type:** There are 3 types for your choice: Normally-Open, Normally-Close, and OFF. **Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when external sensor is triggered (10s, 20s, 40s, and 1min).

**Record**: Click **(2)** icon and choose which channel(s) you want to record when the motion detection is triggered.

Record Channe									
Analog Channels	1								
IP Camera									

**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show Con.

Stand Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when I/O alarm is triggered.Please view <u>5.6.2 Cloud</u>

**Video to Cloud:** To upload alarm videos to cloud storage when I/O alarm is triggered. Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **PIR**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>

# 5.3.4 Intelligent Analysis

### 5.3.4.1 PID (Perimeter Intrusion Detection)

Setup Channel	Record Ala	m Al Netwo	rk Device 5	System				G		×
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PTZ Linkage										
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Alarm Schedule										
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Setup Channel	Record Ala	rm Al Netwo	rk Device <sup>S</sup>	System			Intellige		Default Apply 04/11/2022 19:43:04	
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<ul> <li>Mation</li> <li>PIR</li> </ul>	PID LCD Post Reco	PD & VD SOC	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
<ul> <li>Motion</li> <li>PIR</li> <li>VO</li> </ul>	PID LCD Post Reco	PD & VD SOC	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
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Motion     PIR     I/O     Intelligent     Combination Alarm	PID LCD Post Reco	PD & VD SOC	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
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Motion  PIR  PIR  VO  Combination Alarm  PT2 Linkage  Exception  Alarm Schedule	PID LCD Post Reco	PD & VD SCC xding - Shu -	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
Motion  PIR  ICO  NO  NO  Combination Alarm  PT2 Linkage  Exception  Alarm Schedule	PID LCD Post Reco	PD & VD SCC xding - Shu -	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
Motion  PIR  PIR  VO  Combination Alarm  PT2 Linkage  Exception  Alarm Schedule	PID LCD Post Reco	PD & VD SCC xding - Shu -	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
Motion  PIR  PIR  VO  Combination Alarm  PT2 Linkage  Exception  Alarm Schedule	PID LCD Post Reco	PD & VD SCC xding - Shu -	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×
<ul> <li>Motion</li> <li>PIR</li> <li>PO</li> <li>Intelligent</li> <li>Combination Alarm</li> <li>PT2 Linkage</li> <li>Exception</li> <li>Alarm Schedule</li> </ul>	PID LCD Post Reco	PD & VD SCC xding - Shu -	o FD CC s	Sound Detection Send Email 👻	FTP Picture Upload 🐱		Picture to Cloud 👻	Video to Cloud F	04/11/2022 19:43:04	×

Configure PID function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click **(2)** icon and choose which channel(s) you want to record when the motion detection is triggered.

Record Channe	1															
Analog Channels	1											12	13			16
IP Camera	[1]				5	6	7	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24								

**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>55</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**Picture to Cloud:** To upload alarm images to cloud storage when **Intelligent** is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

### 5.3.4.2 LCD (Line Crossing Detection)

Setup Channel	Record Alarr	n Al Networ	rk Device	System					G	04/11/2022 1	9:43:44 X
Motion	PID LCD	PD & VD SOD		Sound Detection	Video Tampering						
• PIR	Channel	Buzzer	✓ Alarm C	Out Latch Tim	ie 🗸 Record 🗸	Post Recording		Show Message 🐱	Send Email 🗸	FTP Picture	Upload 🗸 🖡
vo	IP CH8	OFF		10 s	✓ ③ ON	30 s			2		
• Intelligint											
Combination Alarm											
PTZ Linkage											
Exception											
Alarm Schedule											
Voice Prompts											
								Intelligent	Сору	Default	Apply
Setup Channel	Record Alar	n Al Netwo	rk Device	System					G	04/11/2022 1	9:43:46 🗙
Setup Channel Motion				System Sound Detection	Video Tampering				©	04/11/2022.1	9:43:46 🗙
		PD & VD SOD		Sound Detection	Video Tampering FTP Picture Upload 🐱	FTP Video Upload	y p	icture to Cloud 👻 Vi			
Motion	PID LCD	PD & VD SOD		Sound Detection	FTP Picture Upload 🐱			icture to Cloud 👻 Vi	deo to Cloud F	ull Screen 🗸	Voice Prompts
<ul><li>Mation</li><li>PIR</li></ul>	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
<ul> <li>Motion</li> <li>PIR</li> <li>VO</li> </ul>	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
<ul> <li>Motion</li> <li>PIR</li> <li>VO</li> <li>Intelligent</li> </ul>	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     I/O     Intelligent     Combination Alarm	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     VO     Intelligent     Combination Alarm     PT2 Linkage	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     VO     Intelligent     Combination Alarm     PTZ Linkage     Exception	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts
Motion     PIR     PIR     PO     PO     Intelligent     Combination Alarm     PT2 Linkage     Exception     Alarn Schedule	PID LCD Post Recor 30 s	PD & VD SOO	FD CC w Message ↓	Sound Detection Send Email 🗸	FTP Picture Upload 🐱				deo to Cloud F	ull Screen 🗸	Voice Prompts

Configure LCD function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click **(2)** icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>55</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

Setup Channel	Record Al			ice Syst	tem						Θ		
Mation		PD & VD SO	0 FD		nd Detection Vi	deo Tamp	aring						
PIR	Channel	Buzzer		Narm Out	Latch Time		Record 🐱	Post Recording		Show Message 🗸	Send Email 🗸	FTP Picture	Upload 🗸
	IP CH2	OFF			10 s		ON (	30 s		2	2		1
	IP CH6	OFF			10 s		ON (	30 s		Y	2	2	
Combination Alarm	IP CH8	OFF								Ŋ	М		
PTZ Linkage													
Exception													
Alarm Schedule Voice Prompts													
Motion	PID LCD	PD & VD SO	0 FD		nd Detection Vir			ETP Viden 13dnad -		Intelligen	O	Default	
Mation PIR	PID LCD Post Rec	PD & VD SO	O FD		nd Detection Vi end Email 🗸 🖓	TP Picture	Upload 🐱	FTP Video Upicad 🗤	er P	Victure to Claud 👻 🕔	O	04/11/2022 1 ul Screen 🗸	9:44:24 Voice Promp
Mation PIR VO	PID LCD	PD & VD So ording V St	0 FD		nd Detection Vir		Upload 🗸	FTP Video Upicad 🗸	er P		O	04/11/2022 1	9:44:24
Mation PIR VO Intelligent	PID LCC Post Rec 30 s	PD & VD So ording V St	● FD tow Messag		Ind Detection Viewer Viewe	TP Picture	Upload 🗸	<b>S</b>	e P	Picture to Cloud ↔ \	Video to Claud F	04/11/2022 1 WI Screen 🗸	9:44.24 Voice Prom
Motion PIR I/O Intelligent Combination Alarm	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag		and Detection View and Email View S	TP Picture	Upload 🗸	8 8	+ P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR I/O Intelligent Combination Alarm	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag		and Detection View and Email View S	TP Picture	Upload 🗸	8 8	y P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR I/O Intelligent Combination Alarm PTZ Linkage	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	y P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR I/O Intelligent Combination Alarm PTZ Linkage	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag		and Detection View and Email View S	TP Picture	Upload 🗸	8 8	₽ P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR I/O Intelligent Combination Alarm PTZ Linkage Exception	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	¥ P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR IVO Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	r P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR IVO Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	* P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Mation PIR I/O Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	y P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Mation PIR I/O Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	y P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR I/O Intelligent Combination Alarm PT2 Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	≠ P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR VO Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	r P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom © ©
Motion PIR I/O Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	× P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom
Motion PIR I/O Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	y P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom
Motion PIR I/O Intelligent Combination Alarm PT2 Linkage Exception Alarm Schedule	PID LCD Post Rec 30 s 30 s	PD & VD SO ording v St v	0 FD Now Messag	CC Sou	and Detection View and Email View S	TP Picture	Upload 🗸	8 8	× P	Victure to Cloud 🗸 👌	Aideo to Cloud F	04/11/2022 1 Nill Screen 🗸	9:44.24 Voice Prom

## 5.3.4.3 SOD (Stationary Object Detection)

Configure SOD function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click <sup>(1)</sup> icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>55</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

Setup Channel	Record Alarm	Al Network	Device Sy	stem					G	04/11/2022 1	9:45:12 🗙
Motion				ound Detection Vi	ideo Tampering						
e PiR	Channel	Buzzer	✓ Alarm Out	Latch Time	V Record V	Post Recording		Show Message 🗸	Send Email 🗸	FTP Picture	Upload 🗸 🖡
vo	IP CH8 OF			10 s	✓ ③ ON	30 s		2		~	
• Intelligent											
Combination Alarm											
PTZ Linkage											
Exception											
Alarm Schedule											
Voice Prompts											
								Intelligent	Сору	Default	Apply
Setup Channel	Record Alarm								9	04/11/2022 1	9:45:15 🗙
Setup Channel     Motion				vstem ound Detection Vi	ideo Tampering				G	04/11/2022 1	9:45:15 🗙
		PD & VD SOO		ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		♥ Pic				
<ul> <li>Motion</li> <li>PIR</li> <li>I/O</li> </ul>	PID LCD I	PD & VD SOO		ound Detection Vi		FTP Video Upload	✓ Pic		deo to Cloud F		Voice Prompts
<ul> <li>Motion</li> <li>PIR</li> </ul>	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
<ul> <li>Motion</li> <li>PIR</li> <li>I/O</li> </ul>	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
<ul> <li>Mation</li> <li>PIR</li> <li>VO</li> <li>Intelligent</li> </ul>	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion     PIR     I/O     Intelligent     Combination Alarm	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		♥ Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion     PIR     I/O     Identificant     Combination Alarm     PT2 Linkage	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		₩ Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion     PiR     VO     Intelligent     Combination Alarm     PTZ Linkage     Exception	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC Se Message 🗸	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		♥ Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		Y Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		Y Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		Y Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		Y Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts
Motion  PIR  VO  Intelligent  Combination Alarm  PTZ Linkage  Exception  Alarm Schedule	PID LCD I	PD & VD SOO	FD CC S. Message v 3	ound Detection Vi Send Email 👻 🗜	TP Picture Upload 🐱		v Pic		deo to Cloud F	ull:Screen 🗸	Voice Prompts

### 5.3.4.4 PD&VD (Pedestrian Detection &Vehicle Detection)

Configure PD&VD function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record** : Click icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>s</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

### 5.3.4.5 FD (Face Detection)

Setup Channel			Network Dev								(	04/22/2021 14:27	45 X
Motion			PD FD CC		Detection Video Ta	Impering							
	Channel		Buzzer 🗸 🗸	Alarm Out	Latch Time	v Re		Post Recording		Show Message 🐱		FTP Picture Upload	
	IP CH6	Disable		۲			ON ON	30 s		<b>2</b>	<b>2</b>	<b>2</b>	
	IP CH10	Disable					ON ON			2	2	2	
	IP CH14									2	2	×	
PTZ Linkage			*		10 s						N		
Exception	IP CH17	Disable					ON.			8	V	S	
Alarm Schedule													
Setup Channel			Network Dev PD FD CC		stem Detection Video Ta	mpering				Intellige		Default A	pply
						mpering Send Email	• FTP.P	Picture Upload 🗸 🗸	FTP Vi		(		• >
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Configure FD function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click <sup>(2)</sup> icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>s</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

## 5.3.4.6 CC (Cross-Counting)

Setup Channel	Record Ala	m Al Network	k Device Sy	stem				9	04/11/2022 1	9:47:20 X
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PIR	Channel	Buzzer	✓ Alarm Out	Latch Ta	me 🗸 Record 🗸	Post Recording	Show Message 🗸	Rend Empl	ETD Dicture 1	blood E
vo	IP CH8	OFF	<ul> <li>Adams Cost</li> <li>Go</li> </ul>	10 s	V O ON	30 s				
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Alarm Schedule										
Voice Prompts										
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Motion     PIR     PIR     Ivo     Intelligent     Combination Alarm	PID LCD Post Reco	PD & VO SOO	FD CC So w Message v 1	ound Detection Send Email 🐱	FTP Picture Upload 🐱		Picture to Cloud 👻 Vi	deo to Clouid Fr	ul Screen 🗸	Voice Prompts
Motion  Motion  PIR  VO  Combination Alarm  PTZ Linkage	PID LCD Post Reco	PD & VO SOO	FD CC So w Message v 1	ound Detection Send Email 🐱	FTP Picture Upload 🐱		Picture to Cloud 👻 Vi	deo to Clouid Fr	ul Screen 🗸	Voice Prompts
<ul> <li>Motion</li> <li>PIR</li> <li>I/O</li> <li>Intelligent</li> <li>Combination Alarm</li> <li>PTZ Linkage</li> <li>Exception</li> </ul>	PID LCD Post Reco	PD & VO SCO ording v Show	FD_CC_S6 w Message ∨ 3	ound Detection Send Email 🐱	FTP Picture Upload 🐱		Picture to Cloud 👻 Vi	deo to Clouid Fr	ul Screen 🗸	Voice Prompts
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Configure CC function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click <sup>(1)</sup> icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>55</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

### 5.3.4.7 Sound Detection

				System				9	
Mation	PID LCC	PD&VD SC		Sound Detection Vi	deo Tampering				
PIR	Channel	Buzzer	→ Alarm O	ut Latch Time	V Record V	Post Recording	Show Message 🗸	Send Email 👻	FTP Picture Upload
	CH1	OFF		10 s	~ (0) ON	30 s 💊	<b>2</b>	<b>~</b>	2
	CH2	OFF		10 s	✓	30 s			8
		OFF				30 s		<b>×</b>	5
Combination Alarm	CH4	OFF			- ON	30 s	Ð	2	V
YTZ Linkage	CH5	OFF				30 s	_	<b>M</b>	S
xception	CH6	OFF			~ (i) (iv)	30 s 💊		~	S
	CH7	OFF		10 s				2	<u>&gt;</u>
larm Schedule	СНВ	OFF		10 s	~ (8) ON	30 s	-	2	<b>S</b>
oice Prompts	▶ СН9	OFF		10 s		30 s 💊		2	3
	CH10	OFF		10 s	✓ ③ ON			S.	3
		OFF		10 s		30 s 🗸	_	2	2
	CH12	OFF			✓ ③ ON	30 s		2	8
	CH13	OFF			<ul> <li>ON</li> <li>ON</li> </ul>			<u>-</u>	3
	CH14 CH15	OFF		10 s	✓ ③ ON	30 s 🔻		2	8
		OFF		10 s	✓ ③ ON	30 s 🗸	-	B	8
	CH16	OFF		10 s	✓ ③ ON				
	IP CH1 IP CH2	OFF		10 s	<ul> <li>✓ ③ ON</li> <li>✓ ◎ ON</li> </ul>	5 Min V		8 8	8 8
	IP CH6	OFF		10 s				2	8
	IP CH7	OFF	× 0	10 s	<ul> <li>Ø 0N</li> <li>Ø 0N</li> </ul>	30 s ~		2	8
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R R D	PID         LCC           Post Reco         30 s           30 s         30 s           30 s         30 s	rding v Sho v v v	00 FD CC	Sound Detection Vi Send Email v FTF V V V V V V V V V V	P Picture Upload 👽	0 0 0	Picture to Cloud v 1	Aldee to Cloud Ful	I Screen - Voice Prof Screen - S Screen - S S S S S S S S S S S S S S
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Configure Sound Detection in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click **(2)** icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

<sup>55</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

### 5.3.4.8 Video Tampering

Setup Channel	I Record Ala	rm Al Ne	twork Device	System				G		
Mation		PD & VD		Sound Detection	n Video Tampering	<b>k</b>				
PIR	Channel	Buzzer	→ Ala	rm Out Latch	n Time 👻 Record 🗸	Post Recording	Show Message 🗸	Send Email 🗸	FTP Picture Upload	
	CH1	OFF		(a) 10 s	✓ ③ ON	30 s •	. 💌	2	<b>S</b>	
	CH2	OFF		10 s	✓	30 s	× 💌	<b>M</b>	S	
		OFF				30 s	<ul> <li>S</li> </ul>	<b>X</b>	S	
Combination Alarm	CH4	OFF		10 s	Y () ON	30 s	<ul> <li>Image: Second sec</li></ul>	2	Ŋ	
PTZ Linkage	CH5	OFF				30 s	_	M	S	
Exception	CH6	OFF		10 s	~ (i) ON	30 s		<u>×</u>	S	
	CH7	OFF		(1) s				2	2	
Alarm Schedule	CH8	OFF		10 s	~ (3) ON	30 s	_	<b>S</b>	<b>S</b>	
Voice Prompts	CH9	OFF		10 s			× <u>×</u>	2		
	CH10	OFF		10 s	✓ ③ ON			N N		
		OFF		10 s			× ×	2	2	
	CH12	OFF		10 s	✓ ③ ON	5 Min		8	2	
	CH13	OFF		10 s	✓ ③ ON	5 Min				
	CH14 CH15	OFF		10 s	✓ ③ ON	30 s				
	CH15 CH16	OFF		<ul> <li>10 s</li> <li>10 s</li> </ul>	<ul><li>✓ ③ ON</li><li>✓ ④ ON</li></ul>	30 s		8 8	2 2	
	IP CH8	OFF		<ul> <li>10 s</li> <li>10 s</li> </ul>	<ul> <li>✓</li> <li>✓</li> <li>Ø</li> <li>Ø</li></ul>	30 s		2		
							Intellige	nt Copy	Default Ap	pply
Setup Channel	I Record Ala	rm Al Ne	twork Device	System			Intellige		Default Ap	pply
					n Video Tampering	k	Intellige			
• Matian		PD & VD		Sound Detectio		FTP Video Upload 🐱	Intellige Picture to Cloud 🗸		04/11/2022 19:48:3	31
Notion PIR	PID LCD	PD & VD		Sound Detectio				C	) 04/11/2022 19:48:3 Full Screen → Voice I	31
Notion PIR 10	PID LCD Post Reco	PD & VD ording 🗸	SOD FD CC Show Message	Sound Detection	FTP Picture Upload 🗸	FTP Video Upload 🐱	Picture to Cloud 👻	C	) 04/11/2022 19:48 3 Full Screen - Voice	31 Pro
Mation PIR /O	PID LCD Post Recc 30 s	PD & VD ording	SOD FD CC Show Message	Sound Detection	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🗸	Video to Cloud F	) 04/11/2022 19:48 3	31 Pro
Mation PIR VO	PID LCD Post Recc 30 s 30 s	PD & VD ording v	SCO FD CC Show Message	Sound Detection	FTP Picture Upload 🐱	FTP Video Upload 🐱	Picture to Cloud 😒	Video to Cloud F	0 4/11/2022 19:46 3	31 Pro
Motion PIR /O Intelligent / Combination Alarm	PID LCD Post Recc 30 s 30 s 30 s	PD & VD	SCO FD CC Show Message V Source Stat	Sound Detection	FTP Picture Upload 🗸	FTP Video Upload 🗸	Picture to Cloud 🐱	Video to Cloud f	0 04/11/2022 19;46:3	31 Pro © ©
Motion PIR /O Combination Alarm PTZ Linkage	PID LCO Post Recc 30 s 30 s 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S	Sound Detection	FTP Picture Upload v	FTP Video Upload 🗸 S S S S	Picture to Cloud ~	Video to Cloud 4	D4/11/2022 19;46:3	31 Pro © ©
Notion PIR /O retelligent Zombination Alarm PTZ Linkage	PID LCD Post Recc 30 s 30 s 30 s 30 s 30 s 30 s	PD & VD ording v	SOO FD CC Show Message S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload v	FTP Video Upload v	Picture to Cloud ~	Video to Cloud 4	D4/11/2022 19;46:3	31 Pro © © ©
Motion PIR /O /O /Combination Alarm PTZ Linkage Exception	PID LCD Post Recc 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload v	FTP Video Upload v	Picture to Cloud V VVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVVV	Video to Cloud I	04/11/2022 19:48:3	31 9r0 © © © © © © © © © © © ©
Motion PIR Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Recc 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload v	FTP Video Upload v	Picture to Cloud V Picture 10 Cl	Video to Cloud F	04/11/2022 19:48:3	31 Pro © © © © © © © © © © © © © © © ©
Motion PIR Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Reco 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload v	FTP Video Upload v	Picture to Cloud v	Video to Cloud I	04/11/2022 19:48:3	31 Pro 0 0 0 0 0 0 0 0
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Motion PIR Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Reco 30 s 30 s	PD & VD	SOO FD CC Show Message 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sound Detection	FTP Picture Upload V	FTP Video Upload v	Picture to Cloud V	Video to Cloud I	04/11/2022 19:48:3	31 Pr <sup>0</sup> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Motion PIR IN Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Recc 30 s 30 s 5 Min	PD & VD	SOO FD CC Show Message 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sound Detection	FTP Picture Upload V	FTP Video Upload v	Picture to Cloud V 5	Video to Cloud I	04/11/2022 19:48:3	31 P 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Motion PIR IN Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Recc 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload V	FTP Video Upicad v	Picture to Cloud 5 5 5 5 5 5 5 5 5 5 5 5 5	Video to Cloud I	0.04/11/2022 19:48:3	
Setup     Channel       Motion        PIR        VO        Intelligent        Combination Alarm        PTZ Linkagé        Exception        Alarm Schedule        Voice Prompts	PID LCD Post Recc 30 s 30 s	PD & VD	SOO FD CC Show Message 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sound Detection	FTP Picture Upload V	FTP Video Upicad v	Picture to Cloud ~	Video to Cloud I	0.04/11/2022 19:48:3	31 Pro 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Motion PIR IN Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Recc 30 s 30 s	PD & VD	SOO FD CC Show Message 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sound Detection	FTP Picture Upload v	FTP Video Upicad v	Picture to Cloud ~	Video to Cloud I	0.04/11/2022 19:48:3	
Motion PIR Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Recc 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload ~	FTP Video Upicad	Picture to Cloud ~	Video to Gloud I	0.04/11/2022 19:46:3	31 Pro 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Motion PIR Intelligent Combination Alarm PTZ Linkage Exception Alarm Schedule	PID LCD Post Recc 30 s 30 s	PD & VD	SOO FD CC Show Message S S S S S S S S S S S S S S S S S S S	Sound Detection	FTP Picture Upload ~	FTP Video Upicad	Picture to Cloud ~	Video to Cloud	0.04/11/2022 19:48:3	

Configure PID function in this page.

Channel: Channel name

**Buzzer:** The DVR can use its internal buzzer to emit an alarm tone. You can set the buzzer duration in seconds when a sensor is triggered.

Alarm out: Tick to enable external alarm device to emit an alarm tone when a sensor is triggered.

Latch Time: you can set how long the buzzer will sound when **Intelligent** is triggered (10s, 20s, 40s, and 1min).

**Record**: Click **(2)** icon and choose which channel(s) you want to record when the motion detection is triggered.



**Post Recording**: You can set how long alarm record will last when alarm ends (30s, 1minutes, 2minutes, 5minutes).

Show Message: Display the alarm messages on the screen when sensor is triggered. Show

#### <sup>s</sup> icon.

Send Email: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Intelligent** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

Picture to Cloud: To upload alarm images to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Intelligent is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When sensor is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Intelligent**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

I/O         CH1         Disable         O         Disable         O         Disable         O         10 s         O         30 s         V           Intelligent         CH2         Disable         O         Disable         O         10 s         O         30 s         V         V           Intelligent         CH3         Disable         O         Disable         O         10 s         O         00 N         30 s         V         V	Motion	Combinati	on Alarm											
Combination Alarm         CH2         Disable         Combined Alarm Configuration         Conduct Alarm         Conduct Alarm         Combined Alarm Configuration         Conduct Alarm         Conduct Alarm         Combined Alarm Configuration         Conduct Alarm         Conduc	PIR	Channel	Enable Alar		Combination Configure	e Buzzer		Alarm Out	Latch Time		Record ~	Post Recording	Ƴ Sh	ow Message 🐱
0       Intelligent       CH3       Disable       V       0       10 s       V       0       0A       30 s       V       V         0       Combination Alarm       CH4       Disable       V       0       0A       30 s       V       V       0       0A       0       0       0A       0       0       0       0A       0		CH1	Disable	×	۲	Disable	¥	۲	10 s	¥	ON	30 s	*	2
Condition Alarm         Chi able         Combined Alarm Configuration         Condition Alarm         Configuration         Condition Alarm         Configuration         Condition Alarm         Configuration         Condition         Condition <t< td=""><td>( ) Malationary</td><td>CH2</td><td>Disable</td><td>~</td><td>۲</td><td>Disable</td><td>¥</td><td>۲</td><td>10 s</td><td>~</td><td>ON ON</td><td>30 s :</td><td>¥</td><td>2</td></t<>	( ) Malationary	CH2	Disable	~	۲	Disable	¥	۲	10 s	~	ON ON	30 s :	¥	2
PTZ Linkage         CH6         Disable         C         O	Intelligent		Disable		۲	Disable	Ŷ	0	10 s					5
CH6       Diable       No.       Alarn Source       O       O       Diable       O         Exception       CH6       Diable       C       1       Motion       Analog Chan       C       O </td <td></td> <td>CH4</td> <td>Disable</td> <td></td> <td></td> <td>Combined Ala</td> <td>arm Con</td> <td>figuration</td> <td>×</td> <td></td> <td>ON ON</td> <td></td> <td></td> <td>2</td>		CH4	Disable			Combined Ala	arm Con	figuration	×		ON ON			2
Chee       Disable       No.       Alarm Type       Alarm Source       V       G 0N       30 s       V         Alarm Schedule       CH8       Disable       C       1       Motion       Analog Chan       C       G 0N       30 s       C       C         Voice Prompts       CH9       Disable       C       C       C       G 0N       30 s       C       C         Voice Prompts       CH10       Disable       C       C       C       G 0N       30 s       C       C         CH11       Disable       C       C       C       G 0N       30 s       C       C         CH12       Disable       C       Motion & Local<-1	PTZ Linkage	CH5	Disable											×
CH7       Disable       V       instruction       Voice Prompts       CH8       Disable       V       instruction       V       instruction       V       instruction		CH6	Disable			Alarm Typ		Alarm S			ON ON			2
Voice Prompts       CH9       Disable       CH9       Disable       CH9       CH	Exception		Disable			Motion		Analog C	han 🗸			30 s		
Order Prompts         CH10         Denates         Cendition Description.         Cendit Description.	Alarm Schedule	CH8	Disable					Local<-1			ON ON			2
CH10       Disable       Condition Description       V       00 0N       30 s       V         CH11       Disable       Motion & Local<-1	Voice Promote		Disable											<b>S</b>
CH12       Disable       And       Image: Chi and a constraint of the constraint	voice Prolipis	CH10	Disable		Conditio	on Description:					ON ON			2
CH13       Disable       v         CH14       Disable       v         CH15       Disable       v         CH16       Disable       v         CH18       Disable       v         IP CH1       Disable       ©         IP CH2       Disable       ©         Disable       ©       Disable       v         IP CH2       Disable       ©       Disable       v         IP CH2       Disable       v       ©       10 s       v       © ON       20 s       v			Disable		Motion 8	§ Local<-1								<b>X</b>
CH14         Disable         v           CH15         Disable         v           CH16         Disable         v           CH18         Disable         v           IP CH1         Disable         ©           IP CH2         Disable         ©           IP CH2         Disable         ©			Disable		And									~
CH15         Disable			Disable		1/O & Lo	cal<-1								2
CH16         Disable         V         Image: Ch16         Disable         V         Image: Ch16         Image: Ch16 <th< td=""><td></td><td></td><td>Disable</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ON ON</td><td></td><td></td><td><b>X</b></td></th<>			Disable								ON ON			<b>X</b>
IP CH1         Disable         O         Disable         O         10 s         O         30 s         V           IP CH2         Disable         O         Disable         O         Disable         O         0         10 s         O         00 s         V			Disable											~
IP CH2 Disable V (2) Disable V (3) 10 s V (3) CN 30 s V			Disable											Y
		IP CH1	Disable			Disable								3
IP-CH3 Disable ♥ ③ Disable ♥ ④ 10 s ♥ ③ ON 30 s ♥ ♥		IP CH2	Disable			Disable					ON ON			2
			Disable			Disable								3
IP CH4 Disable V (3) Disable V (3) 10 s V (3) ON 30 s V		IP CH4	Disable			Disable					ON ON	30 s		×.

### 5.3.5 Combination Alarm

#### **USER MANUAL**

Mation	Combination Alarm								
PIR	Post Recording 🖌 👻	Show Message 🐱	Send Email 🗸	FTP Picture Upload 🐱	FTP Video Upload 🐱	Picture to Cloud 🐱	Video to Cloud	Full Screen 🗸	Voice Prompts
	30 s 🗸 🗸	2	2	<b>2</b>	<b>S</b>	2			
Intelligent	30 s 📉 🛩	2	×	2	3	2	<b>S</b>		
intenigent		2	×	2	3	2			
		2	×	<b>S</b>	<b>S</b>	2			
PTZ Linkage	30 s 🗸	2	×	<b>M</b>	3	2			
		2	<b>X</b>	2	M	2			
Exception		2	¥	2	<b>S</b>	2			
Alarm Schedule	30 s 🗸 🗸	2	×	2	<b>S</b>	<b>M</b>			
Voice Prompts	30 s 🗸 🗸	2	<b>X</b>	2	2	2			
	30 s 🗸 🗸	2	<b>X</b>	<b>M</b>	2	2			
	30 s 🗸 🗸	2	×	<b>S</b>	3	2			
	30 s 💙	2	<b>S</b>	<b>2</b>		2			
		2	¥	<b>S</b>	2	<b>2</b>			
	30 s 🗸 🗸	2	×	<b>S</b>	S	2			
	30 s 🗸 🗸	2	2	<b>S</b>	5	2			
	30 s 🛩	2	3	<b>S</b>	<b>S</b>	2			
		2	Y	<b>X</b>	M	2			۲
	30 s 🗸 🗸	2	Y			2	2		
	30 s 🛩	2	Y	2		2			
		2	<b>V</b>	<b>S</b>	<b>N</b>				

#### **Channel: Channel name**

**Enable Alarm**: whether channel combination alarm can be set, **Enable** enables combination alarm (combination alarm system parameter of the channel configuration takes effect, alarm parameter set separately by the channel is not effective). **Disable** does not enable combination alarm (combination alarm system parameter configured by the channel is not effective, and event alarm system parameter set separately by the channel does take effect).

Channel combination alarm is enabled. **Combination Configure** selects two alarm types. When both alarms are triggered within the same time period, the notification information such as buzzer, mail, push, upload is enabled. When only one of the alarms is triggered or when it is not triggered or when alarms other than the combination occurs, email, push and other notifications will not be sent. Two alarm types can be combined casually.

For example, the channel sets the "Alarm->Combination Alarm" as per PID+MOTION

- Configure the CH 1 Alarm-> Combination Alarm alarm response system parameters. Configure the alarm combination type Motion + PID. Set up the Buzzer Alarm Out, Latch time, Record, Post recording, Show Message, Send Email, Picture to Cloud, Video to Cloud, Full Screen, Voice Prompts.
- 2. When the CH 1 combination alarm switch is enabled and Motion + PID is triggered at the same time, (the response combination parameters configured by the buzzer, mail, push, upload, etc. are not the system alarm parameters configured separately for the response event). For mail: The client is named by event. When the combined alarm is turned on, if the CH4 triggers an alarm other than the Motion + PID alarm, the other alarm will not respond to the alarm system parameters (such as LCD, SOD, etc.) corresponding to the CH4 alarm setting. Turn off the CH4 combination alarm switch, and each set event alarm of CH4 separately responds to the respective configured system alarm parameters.

3.

**Buzzer:**The DVR can use its internal buzzer to sound an alarm. You can set the buzzer duration (in seconds) when triggering a combined alarm.

Alarm out: Check whether the external alarm device is triggered when the combination alarm is triggered.

**Latch Time**: You can set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click (2) icon and select the channel to record when triggering the combination alarm.



**Post Recording**: You can set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to display the corresponding alert icon on the real-time display

screen when a combined alarm is detected: Trigger Motion+PID alarm, show **\*** and **\*** icon. **Send Email**: Set to send email to specified email when sensor is triggered.

**FTP Picture Upload: FTP Picture Upload**: To upload alarm images to FTP server when I/O alarm is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**FTP Video Upload:** To upload alarm videos to FTP server when **Combination alarm** is triggered. To enable FTP, please view <u>5.5.4 FTP</u>

**Picture to Cloud:** To upload alarm images to cloud storage when **Combination alarm** is triggered.Please view <u>5.6.2 Cloud</u>

Video to Cloud: To upload alarm videos to cloud storage when Combination alarm is triggered.Please view <u>5.6.2 Cloud</u>

**Full Screen**: When **Combination alarm** is triggered, the corresponding channel will be switched to the full screen mode.

**Voice Prompts**: Voice prompts, when triggering **Combination alarm**, the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice Prompts</u>

## 5.3.6 PTZ Linkage

If you had connected the PTZ cameras, you can set the linkage between PTZ cameras and Motion Alarm and/or external I/O sensor alarm. With the linkage function, you can turn your PTZ cameras focus to the preset point when a motion or I/O alarm happens.

Setup Channe	el Record Alarm	Al Network	Device System				O 04/11/202	
Mation	PTZ Linkage							
PIR	Channel	Switch 🗸	Motion 👻					
	CH1	₩	<b>2</b>	<b>S</b>	OFF	OFF	OFF	OFF
Intelligent		S	3	Y	OFF OFF	OFF	OFF	OFF
intelligent		Y	Y	N				
Combination Alarm		<b>N</b>	Y	N	OFF	OFF	OFF	OFF
		J	Y	Y				
	СН6	<b>S</b>	3	N	OFF	OFF	OFF	OFF
Exception			S	Y				
Alarm Schedule	CH8	<b>N</b>	y	X		() OFF	OFF	OFF
Voice Prompts		3	5	V				
a orde Frombra			>	V	OFF	OFF	OFF OFF	OFF
		<b>X</b>	5	X				
		<b>S</b>	3	S	OFF	OFF	OFF	OFF
			5	×				
		<b>X</b>	5	S	OFF OFF	OFF	OFF OFF	() OFF
		3	5	3				
	CH16	3	3	<b>V</b>	() OFF	OFF	OFF	OFF
		S.	<b>N</b>	S				
	IP CH2		3	N	OFF	OFF	OFF	OFF
	IP CH3	3	3	S				
	IP CH4	M	<b>S</b>		OFF	OFF OFF	OFF	G OFF
		*					Copy Default	Apply

Switch: Enable or disable the PTZ linkage function.

Motion: Motion detection alarm will trigger the PTZ linkage function it is checked.

**IO:** IO alarm will trigger the PTZ linkage function it is checked.

**PIR**: PIR Alarm will trigger the selected PTZ linkage function.

**PTZ1-4:** Maximum four present points can be set.Click icon to associate the PTZ cameras with preset points. View preset point at <u>5.1.4.1 PTZ control</u>.

Click	here	CH1	~	None	~	to choose the camera and present points that need to link.
Selec	t it	PTZ to	o ena	ble the I	inkag	e.

### 5.3.7 Exception

Setup Channe	el Record Alarm	Al Network	k Device S	System						03/26/2022 1	
Motion	Exception										
	Event Type	Switch 🛩	Buzzer		Alarm Out	Latch Time	Show Message 🐱	Send Email 🐱	Voice Prompts		
	No Space on Disk	<b>Z</b>	OFF		۲		<b>~</b>	~	۲		
	Disk Error	2	OFF				<b>M</b>	>			
Intelligent	Video Loss	2	OFF				<b>S</b>	>			
Combination Alarm											
PTZ Linkage											
Alarm Schedule											
Voice Prompts		h									
										Default	Apply

This menu allows you to set the type of events that you want the DVR to inform you.

**Event Type**: Select the event type from below options:

- No Space on Disk: When an HDD is full.

- Disk Error: If the HDD is not detected properly.

- Video Loss: If a camera is not connected properly.

Switch: Check the box to enable the monitoring of the event.

**Buzzer**: Set the buzzer duration when the event occurs (Off/10s/20s/40s/60s). To disable buzzer, select **OFF.** 

Latch Time: This is an optional function. Determine how long the external alarm device to sound (10s, 20s, 40s, 60s) if your DVR support to connect external alarm device.

Alarm Out: This is an optional function. Click to enable the external alarm device to sound. This is an optional function.

Show Message: Check the box to display a message on the screen when No Space on Disk,

Disk Error, or Video Loss event happens.

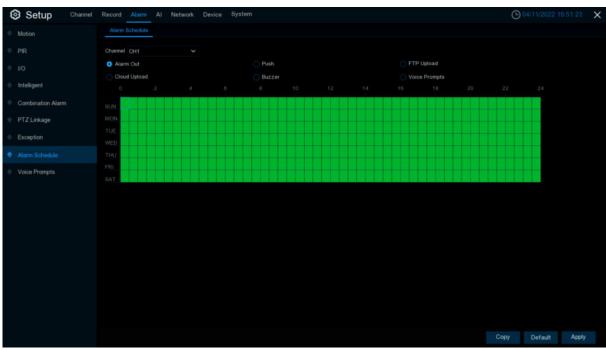
Send Email: Let the DVR to send you an auto-email when an event occurs.

**Voice Prompts**: Voice prompts, when triggering **Alarm** the audio file imported by the voice prompt (requiring IPC to support the voice prompt function) can be visible for details <u>5.3.9 Voice</u> <u>Prompts</u>

### 5.3.8 Alarm Schedule

This menu can set the schedule of various alarms.

#### **USER MANUAL**

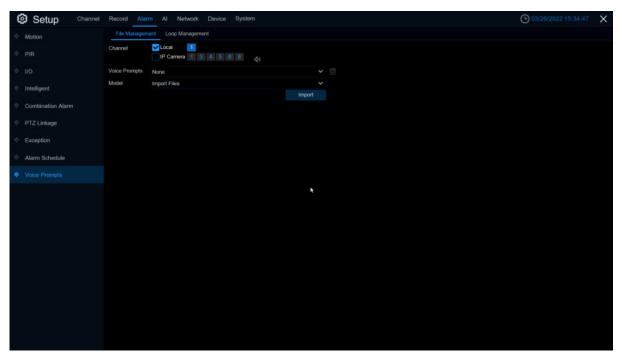


Channel: Select the channel. Alarm Out: Set the schedule for alarm out. Push: Set the schedule for push. FTP Upload: Set the schedule for FTP uploading. Cloud Upload: Set the schedule for cloud upload. Buzzer: Set the schedule for buzzer.

## 5.3.9 Voice Prompts

This function is to realize the alarm linkage when the alarm occurs, the system collects the alarm signal and the voice broadcast equipment, and automatically or manually plays the associated audio to the "intrusion" object on the scene. (Each alarm Alarm setting item and the editing page of the face database face image has a voice broadcast option)

### 5.3.9.1 File Management



Click **import** import costumed audio, support three kinds of way: Import File, Local Conversion, Internet Server Conversion.

Import File: Local import (support the import of audio files in MP3, WMA, WAV format) Local Conversion: Local translation (input of text content to be translated, translated to audio file and automatically saved to hard disk storage)

Internet Server Conversion: Web server translation (by locally entering the translated text content, sent to the network server for translation into audio files, and automatically saved to the local hard disk storage)

Local Conversion and Internet Server Conversion have more language box and text box than Import File.Local Conversion language selection is default to English, and it doesn't choose any other language for the user.

The input box has a maximum allowed input length of 1,024 bytes.**Import File** import audio files, face database and license plate database allow file size of 1~500K, non-face database and license plate database allows file size of 1~5M.

After importing audio file, you can select which file to play in **Voice Prompt**. Voice prompt, support two ways,Local and IPC channel.

#### **USER MANUAL**

(	Setup Channel	Record Alar	m Al Network Device System			C 05/06/2022 08:57:24	×
	Motion	File Manager	Loop Management				
0		Channel	V Local 1 0 5 6 7 📢				
0		Voice Prompts					
	Intelligent	Model	Internet Server Conversion		<u>ð</u>		
		Language	ENGLISH				
\$	Combination Alarm	Name					
\$	PTZ Linkage	Plain Text	helo				
÷	Exception	Pidel FOA					
•	Alarm Schedule			Import			
•							

**Local**: Local broadcast (when choosing this broadcast mode, the audio output shall is connected to the device side)

**IPC**: Network camera broadcast (choosing this broadcast mode requires the camera program with the voice broadcast function, and the camera side supports the audio output

Voice Prompts setting by time period: an alarm type can support setting the voice broadcast of up to 12 time periods. There is no conflict between the start and end time of any time period

		Post Recording	Show Message 🐱	Send Email 🗸	FTP Picture Upload 🐱	FTP Video Upk	ad 🐱 Picture to Cloud 🛩	Video to Cloud	Full Screen	Voice Pror	mpt
	ON	30 s	<b>S</b>	<b>~</b>	<b>2</b>		<b>~</b>			۲	
	ON	30 s	<b>~</b>	~	<b>~</b>	Channel	Local 1				
Intelligent		30 s	3	×	<b>Z</b>		IP Camera 1 3 5	6 7			
Combination Alarm		30 s	3	×	<b>S</b>						
PTZ Linkage			<b>S</b>	×	<b>S</b>	Voice Prompts			00:00:00	- 00:59:59	
r iz Lindgo		30 s	3	×	<b>V</b>				01:00:00	~ 01:59:59	
Exception			<b>S</b>	>	<b>2</b>		None		02:00:00	- 02:59.59	
Alarm Schedule		30 s	<b>S</b>	×	₩			,	03:00:00	- 03:59:59	
									04:00:00	- 04:59:59	
Voice Prompts							None		05:00:00	- 05:59.59	
								,	06:00:00	- 06:59:59	
							None	•	07:00:00	- 07:59:59	
									08:00:00	~ 08:59:59	
							None		09:00:00	~ 09:59:59	
						h.	None		10:00:00	~ 10:59:59	
							None		11:00:00	- 11:59:59	

Voice broadcast setting based on face recognition: this function is to realize that when face recognition occurs, the system collects the alarm signal and the voice broadcast equipment for linkage, and automatically plays the associated audio to the scene "intrusion" object.(Note: imported audio based on black and white list face images can only be used for the associated images)

When the face detection triggers the face detection, there will be a voice prompt

#### **USER MANUAL**

Setup			Allow	List		Ŷ×	/2022 09:16:48
Setup							
	Search Input name here						
Alarm	1/ <b>1</b> /		Mod	ty	×		
		Name				mate	
Statistics		Gender Fernale	V Ac Channel	-		mate	
		Country		✓ Local 1 IP Camera 1 3 5 6 7			
		Native Place	ID N				
		Occupation	Voice Prompts	00:00:00 ~ 23:59:59			
		Phone Number		00:00:00 - 23:59:59			
	<b>175</b> 6	Residence		A STATE OF S			
		Remark		<ul> <li>00:00:00</li> <li>23:59:59</li> <li>00:00:00</li> <li>23:59:59</li> </ul>			
		Alarm Channel 🙆		00:00:00 - 23:59:59			
		Additional Face Image		00:00:00 ~ 23:59:59			
	an 197	Putational Pace image		00:00:00 ~ 23:59:59			
		$\cap$					
		2.5					
		( <u> </u>		The second s			
	2 M 1	· · · · · · · · · · · · · · · · · · ·		000000 23.38.38			
	•			Modify	Exit		
				Moality	Exit		
	Delete Impo	art Export Do	vnload import Template	K < 8 /8 >			

### 5.3.9.2 Loop Management

Setup Channel	Record Alarm	Al Network Device System				O3/26/2022 15:34:53
Motion	File Manageme	t Loop Management				
	Channel	✓ Local				
	Voice Prompts	None	∽ 00:00:00 ~	23:59:59 40		
Intelligent						
Combination Alarm						
PTZ Linkage						
Exception						
Alarm Schedule						
					R.	
						Default Apply

**Voice Prompts** selects the audio file, and after setting the time period, the selected audio file will be played repeatedly without alarm or hearing the audio file, supporting the voice broadcast for up to 12 time periods.

**Local**: Local broadcast (when choosing this broadcast mode, the audio output shall is connected to the device side)

**IPC**: Network camera broadcast (choosing this broadcast mode requires the camera program with the voice broadcast function, and the camera side supports the audio output)

# <mark>5.4 Al</mark>

# 5.4.1 Setup

### 5.4.1.1 Face Detection

This menu	sets the	relevant	parameters	for face	detection
THIS ITIETIU	3013 1110	TEIEValli	parameters	IUI IACE	uelection.

Setup	Channel Red	ord Alarm Al Network Device	System		O4/11/2022 19:52:11
		D PD & VD PID LCD CC HM	CD QD LPD RSD Schedule		
Recognition					
		Channel	Setup	Switch	
Alarm		CH1			
Statistics		CH2			
				D	
		CH4			
		CH5		D	
		CH6			
				2	
		CH8			
				8	
		IP CH6			
					Apply

#### Setup: Click <sup>(i)</sup> to enter the setting page. Switch: Enable or disable face detection.

Channel	СН1	
Snap Mode	Interval Mode	
Snap Num		
nap Frequency		s/pic(1-25
	Multi Angle	
	64	(32-1080)
	500	(320-1080)
	Enable	
Face Attribute	Enable	
Detection Mode	Static Mode	
	Rect	
Detection Range		
Dynamic Marking	Disable	
	Save	

Channel: Channel selection

**Snap Mode:** snap mode, default mode (select the best quality picture push from the face to the disappearance), Real time (push once when the face appears, push once again when disappearing) and interval mode (custom time and interval of push)

Snap Num: In interval mode, set the number of pictures pushed.

Snap Frequency: Set the frequency of face push in interval mode.

Apply Mode: Set the detection angle, with positive face mode, multi-angle mode, and custom angle mode.

**Roll Range:** Set the range of face rotation at a custom angle.

Pitch Range: From a custom angle, set the range of face pitch.

Yaw Range: Set the range of face level flipping at a custom angle.

**Frontal view/Muti Angle Default:** Restore angle settings by default to forward and multiple angle settings..

Picture Quality: Set the image quality, 1 is lowest, 100 is highest.

**Min Pixel:** Set the minimum recognition pixel box, the face should be greater than the set pixel to be recognized.

Face Enhance: Face enhancement, open after catching the moving target face effect is enhanced, but will reduce the overall quality of the picture..

**Face Enhance:** Face enhancement, open after catching the moving target face effect is enhanced, but will reduce the overall quality of the picture.

**Face Attribute:** Face attribute switch, which can detect whether the face is wearing a mask, glasses and expression.

**Detection Mode:** The detection mode has both static and dynamic modes. Motion check, only if the target in the picture is the motor state. Static mode: Both still targets and dynamic targets are checked. The exercise check mode mainly prevents false positives, such as face-like targets (such as posters and statues), which are still in the picture and do not trigger alarms. **Rule Kind:**Full screen and line rule.

**Detection Range:** Under rectangle rule, set up detect area is customize and default setting s Full Screen.

**Rule Type:** Under line rule, setting crossing rule. It need to be lined in the right preview. The face is detected when from rule  $A \square B$  or rule  $B \square A$ .

Dynamic Marking: tracking box.

(Note: Trigger FD, there are "S" shows on preview windows.Besides, Human&Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Cross Counting, Crowd Density Detection, Queue Length Detection, Licence Plate Detection are mutually exclusive, it's not allowed to turn on at the same time.)

### 5.4.1.2 PD&VD (Pedestrian Detection &Vehicle Detection)

This menu sets the relevant parameters for PD&VD detection.

Setup Chann	nel Record Alarm Al Network De	vice System		O4/11/2022 19:53:12
	FD PD & VD PID LCD CC	HM CD QD LPD RSD Schedule		
Recognition				
	Channel	Setup	Switch	
Alarm				
Statistics	CH2		<b>e</b>	
	CH4		B	
	CH5			
	CH6		Ð	
	CH7			
	CH8		2	
	IP CH6			
				Apply

### Setup: Click 😟 to enter the setting page. Switch: Enable or disable PD&VD .



#### Channel: Channel selection

**Snap Mode:** Snap picture mode, there are default mode (select the best quality picture push during the period from person & car to disappear). Real-time mode (push once when appearing, push once again when disappearing), and interval mode (custom time and interval of push). **Snap Num:** In interval mode, set the number of pictures pushed.

**Snap Frequency:** Set the frequency of PD&VD push in interval mode.

Min pixel: Set the minimum identification pixel box, and people and vehicle should be greater than the set pixels to be identified.

Max pixel: Set the maximum recognition pixel box, the person and car should be less than the set pixels to be identified.

**Sensitivity:** Set sensitivity, 1 is minimum, 100 is maximum.

Detection Type: Pedestrian, Vehicle, Non Motorized Vehicle or select. Detection Mode: Set up motion/ static mode. Detection Range: Set up detection area, customized or default full screen. Dynamic Marking: Tracking box

(Note: Trigger PD&VD, there are "S" shows on preview windows.Besides, FD, Perimeter Intrusion Detection, Line Crossing Detection, Cross Counting, Crowd Density Detection, Queue Length Detection, Licence Plate Detection are mutually exclusive, it's not allowed to turn on at the same time.)

## 5.4.1.3 PID (Perimeter Intrusion Detection)

The Perimeter intrusion detection function can detect people, vehicles, or other objects moving in and out of a predetermined virtual area, and take certain specific measures when an alarm is triggered.

Setup	Channel F	Record Alarm Al Network Devic	e System		O	
		FD PD & VD PID LCD CC HM	I CD QD LPD RSD Schedule			
Recognition						
		Channel	Setup	Switch 🗸	Sensitivity	
Alarm						
Statistics		CH2				
		CH4				
		CH5				
		CH6				
		CH8				
		IP CH6	Ø			
						Apply

Switch: Enable or disable PID

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection.



Area: Click Setup 🙆 to draw the virtual area in the image

- 1. Channel: Select the channel that you want to configure.
- 2. Detection Type: detection type

Person: Pedestrian alarm during perimeter intrusion detection.

Motor Vehicle: Alarm when the motor vehicle triggers the perimeter intrusion.

Non-motorized Vehicle: Alarm when non-motor vehicles trigger a perimeter intrusion.

3. Rule Number: Select one of the rule numbers. The PID functionality can set up to 4

areas.

- 4. Rule Switch: Enable or disable the rules
- 5. Rule Type: Select the rule type

 $A \square B$ : DVR will only detect the action from side A to side B;

 $B \square A$ : DVR will only detect the action from side B to side A;

- $A \square \square B$ : DVR will detect the action from either side B to side A or side A to side B;
- 6. **Dynamic Marking**: Tracking box
- 7. Mouse-Click 4 points in the camera image to draw a virtual rectangle.
- 8. Click **Save** to save the setting
- 9. If you want to change the position or size of the rectangle, Click on the red box in the

rectangle, and the color of the rectangular border becomes red.

Press the left mouse button long to move the line, or drag the end of the segment to modify

the length or position of the line.

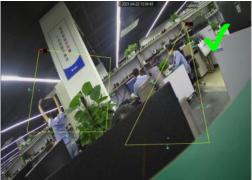
10. If you want to delete a line from the camera picture, Click the red box in the line, and then

Click the"Remove"button. Click "Remove All" will remove all of the rectangles.

#### Notice:

 The periphery should not be too close to the edges / corners of the camera image, because it may not trigger detection when the target passes through the edges / corners.
 The shape of the region cannot be too narrow / too small because detection may not be triggered when large targets cross the perimeter.





(**Note**: Trigger PID, there are "S" shows on preview windows.Besides, FD, PD&VD, Line Crossing Detection, Cross Counting, Crowd Density Detection, Queue Length Detection, Licence Plate Detection are mutually exclusive, it's not allowed to turn on at the same time.)

## 5.4.1.5 LCD (Line Crossing Detection)

The LCD function detects people, vehicles or other objects crossing a predetermined virtual line and takes certain measures when an alarm is triggered..

Setup Chan	nel Record Alarm	AI Network Device	System			O4/11/2022 19:53:50	
	FD PD & VD	PID LCD CC HM	CD QD LPD RSD Schedule				
Recognition							
		Channel	Setup	Switch 🗸	Sensitivity		
Alarm							
Statistics		CH2					
	R.						
		CH4					
		CH6					
		CH8					
		IP CH6					
						Appl	

Switch: Enable or disable LCD.

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection.

Area: Click Setup 😳 to draw the virtual area in the image.



- 1. Channel: Select the channel that you want to configure.
- Detection Type: detection type
   Person: Trigger alarm when pedestrians cross the line.
   Motor Vehicle: Trigger alarm when motor vehicle cross the line.

Non-motorized Vehicle: Trigger alarm when non-motor vehicle cross the line.

- 3. Rule Number: Select one of the rule numbers. The LCD function can set up to 4 areas.
- 4. Rule Switch: Enable or disable the rule switch.
- 5. Rule Type: Select the rule type

 $A \square B$ : DVR will only detect the action from side A to side B;

 $B \square A$ : DVR will only detect the action from side B to side A;

A B: DVR will detect the action from either side B to side A or side A to side B; 6.Dynamic Marking: Tracking box

7. Mouse-Click 4 points in the camera image to draw a virtual rectangle.

8.Click Save to save the setting

9.If you want to change the position or size of the rectangle, Click on the red box in the

rectangle, and the color of the rectangular border becomes red.

Press the left mouse button long to move the line, or drag the end of the segment to modify

the length or position of the line.

10.If you want to delete a line from the camera picture, Click the red box in the line, and

then Click the"Remove"button. Click "Remove All" will remove all of the rectangles.

#### Notice:

The periphery should not be too close to the edges / corners of the camera image, because it may not trigger detection when the target passes through the edges / corners.
 The shape of the region cannot be too narrow / too small because detection may not be triggered when large targets cross the perimeter.



(Note: Trigger LCD, there are "S" shows on preview windows.Besides, FD, Pedestrian Detection &Vehicle Detection, Perimeter Intrusion Detection, Cross Counting, Crowd Density Detection, Queue Length Detection, Licence Plate Detection are mutually exclusive, it's not allowed to turn on at the same time.)

## 5.4.1.5 CC (Cross-Counting)

The Cross-Counting function statistics people or moving objects.

Setup Chan	inel Record A	larm AI Network Device	System		O4/11/2022 19:54:17	×
		& VD PID LCD CC HM	CD QD LPD RSD Schedule			
Recognition						
Alarm		Channel IP CH2	Setup	Switch	Sensitivity V	
Statistics	<u>.</u>	IP CH6				
					Appl	ly

Sensitive: Sensitivity levels are 1 to 4, and the default value is 2. Higher sensitivity would trigger detection more easily.

Switch: Enable or disable CC function.

Area: Click Setup 😳 to set the virtual lines and rectangular boxes within the camera image.



- 1. **Channel**: Select the channel that you want to configure.
- Type: select rule type.
   Person:Only count pedestrians.
   Motion: Count any moving object that crossed the line.
   Motor Vehicle: Only count motor vehicles that crossed the line.
   Non-motorized Vehicle: Only count non-motor vehicles that crossed the line.

3. Alarm Num: Set alarm number.Alarm Num=(cross in number)-(cross out number), which is in Number of internal support exists.

- 4. **Start Time:** Set the counting start time.
- 5. **End Time:** Set the counting end time.
- 6. **Reset Count:** Let the count default to zero and recount.

7. **Rule Number**: Select the rule number. It is the number of virtual lines that you can draw the CC. Up to 1 line.

- 8. **Rule Switch** Enable or disable rule types.
- 9. **Rule Type:**rule type

a) A-> B, the DVR will count people or items from side A to side B.

b) B-> A, DVR will count people or items from side B to side A.

10. Dynamic Marking: Tracking box.

1)The periphery should not be too close to the edges / corners of the camera image, because it may not trigger detection when the target passes through the edges / corners.

2) The shape of the region cannot be too narrow / too small because detection may not be triggered when large targets cross the perimeter. Notice:

1)The lines should not be too close to the edge of the camera image to avoid alarm when the target passes through the camera.

2)The line should not be set too short to fail to trigger the alarm when the target crosses the alarm.



Please view 5.4.4.3 CC Statistics to search and check statistics result.

(Note: Trigger CC, there are "S" shows on preview windows.Besides, FD, PD&VD, Perimeter Intrusion Detection, Line Crossing Detection, Crowd Density Detection, Queue Length Detection , Licence Plate Detection are mutually exclusive, it's not allowed to turn on at the same time.)

## 5.4.1.6 Heat Map

Show the diagram of the popular page area and the geographical area where visitors are located in a special highlight form, and the heat map also tells you which areas of the picture attract most visitors.

Setup Channel	Record Alarm Al Network Device	System		O 04/11/2022 19:54:50 X
∲ Setup	FD PD & VD PID LCD CC HM	CD QD LPD RSD Schedule		
Recognition	Channel	Setup	Switch V	
Alarm	IP CH2			
Statistics	IP CH2			
V Statistics	IF GHU			
				Apply

Switch: Enable or disable heat map function.



Area: Click Setup 😳 to draw the virtual area in the image.

**Channel**: Select the channel that you want to configure.

**Rule Number**: Select the rule number. It is the number of heat map detection regions. The heat map function can only set up 1 area.

Rule Switch: Enable or disable rule switch.

Remove : Click detection area box and Click Remove to remove the detection box.

**Remove All**: Click **Remove All** to remove the detection box directly.

## 5.4.1.7 CD (Crowd Density Detection)

A DATE OF A	Record A				Device									04/11/202	2 19:55:05	×
						CD (	DD LP		Schedule							
Recognition			Channel	ř.				Setup		Sw		Sensi	ilana -			
Alarm			IP CH2					<ul> <li>••••••••••••••••••••••••••••••••••••</li></ul>				Geniji				
Statistics			IP CH6													
		*														
															Арр	
															Арр	17

CD is used to detect population aggregation to maintain controlled order in specific areas.

Switch: Enable or disable CD function.

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection.



Area: Click Setup 😳 to draw the virtual area in the image.

**Min pixel:** Set the minimum recognition pixel box, the person should be greater than the set pixel to be identified.

**MAX pixel:** Set the maximum recognition pixel box, people need less than the set pixels to be identified.

Max Detection: The DVR alarms if the number of people in the detection area exceeds the maximum number of people tested.

Dynamic Marking : Tracking box.

1.Set Min pixel and Max pixel

2.Set Max Detection

3.Enable Rule switch

4.Set **Detection Range** default to Full screen or costumed.

5.If you select a custom detection range, you need to Click the eight points in the camera picture to draw the virtual area.

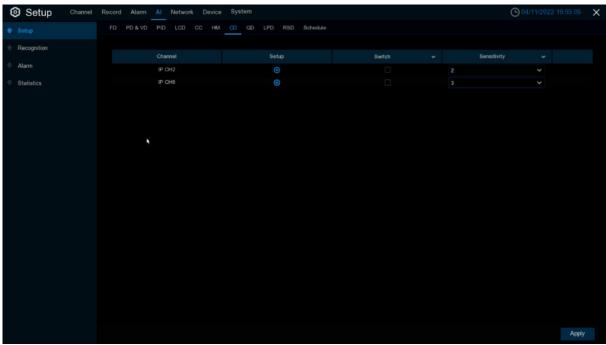
6.Click "Save" to save the settings

7.If you want to change the location or sharpness of the area, Click the red box in the area, and the area boundaries will change to red. Click and hold down the left mouse button to move the area, or drag the corner point to resize the area.

8. If you want to remove one of the areas from the camera picture, Click the red box in the area, and then Click **Remove** button.Click **"Remove All**" removes all areas.

## 5.4.1.8 QD (Queue Length Detection)

Queue Length Detection is used to detect the status of the cohort, including its length and stall time.



Switch: Enable or disable the QD

Sensitive: The sensitivity level is 1 to 4. Higher sensitivity would be easier to trigger detection.

Area: Click Setup 😳 to draw the virtual area in the image



**Min pixel:** Set the minimum recognition pixel box, the person should be greater than the set pixel to be identified.

**Max Pixel:** Set the maximum recognition pixel box, people need less than the set pixels to be identified.

Max Detection: The DVR alarms if the number of people queuing in the detection area exceeds the maximum number of people tested.

**Max Pro Time:** If the queue stagnation exceeds the given processing time, DVR sends alarm. **Dynamic Marking**: Tracking box

1.Set Min pixel and Max pixel

2.Set Max Detection

3.Enable Rule switch

4.Set **Detection Range** default to Full screen or costumed.

5.If you select a custom detection range, you need to Click the eight points in the camera picture to draw the virtual area.

6.Set Max Pro time

7.Click "Save" to save the settings

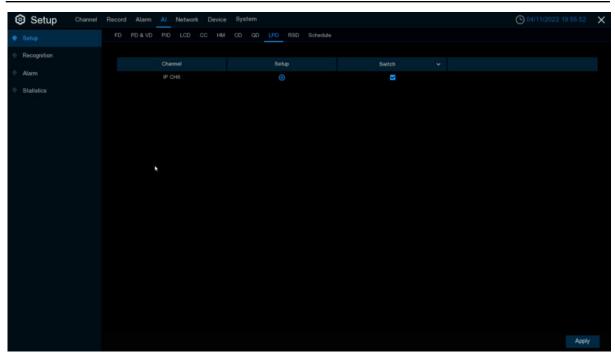
8.If you want to change the location or sharpness of the area, Click the red box in the area, and the area boundaries will change to red. Click and hold down the left mouse button to move the area, or drag the corner point to resize the area.

9. If you want to remove one of the areas from the camera picture, Click the red box in the area, and then Click **Remove** button.Click **"Remove All**" removes all areas.

## 5.4.1.9 LPD (License Plate Detection)

License Plate Detection, detect the pass vehicles which is unfamiliar vehicle or the vehicle that has been entered into the database. At the same time. It can be also back up the unfamiliar vehicle license plate information to the database, or retrieve the license plate detection and alarm information on playback. License plate detection currently only supports two regions license-Europe and America.

In this menu, you can set the relevant parameters of the license plate detection.



### Setup:Click 😳 to enter setup page. Switch: Enable or disable LPD function.



#### Channel: Channel selection

**Snap Mode:** Snap mode, there are optimal mode (select the best quality picture push during the period from vehicle license plate appears), real-time mode (push once when license plate appears, push once again when disappears) and interval mode (customized number of push sheets and time interval).

**Min pixel:** Minimum recognition pixel box, the license plate must be greater than the set minimum pixel to be recognized.

Max pixel: Maximum recognition pixel box, the license plate should be less than the set maximum pixel to be recognized.

**Sensitivity:** Sensitivity, the larger the value, the easier to detect the target.

Detection Type: Detect type, there are two kinds of license plate:

European license plate: the European license plate,

American license plate: American license plate.

Detection Mode: License plate detection mode, there are two modes.

Static Mode: Check the static license plate in the picture

Motion Mode: Filter out the stationary vehicles and their license plates to detect only the license plates in the dynamic process.

Detection Range: There are two areas for license plate detection as follows:

Full Screen: Full-screen detection,

Customize: Custom detection area.

Dynamic Marking : Tracking box.

# 5.4.1.10 RSD (Rare Sound Detection)

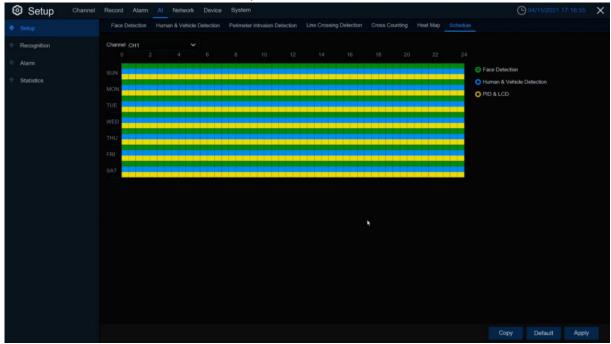
Setup	Channel	Record Alarm Al Network Devi	e System		O 04/11/2022 19:56:08 X
		FD PD & VD PID LCD CC H	CD QD LPD RSD Schedule		
Recognition					
Alarm		Channel IP CH2	Setup	Switch ~	
Statistics		IP CH6		8	
					Apply

Setup:Click 🙆 to enter setup page. Switch: Enable or disable RSD function.



Channel: channel selection Sensitivity: Sensitivity, 1 is the minimum,100 in the maximum. Detection Type: detection type Baby Crying Sound: Click to check baby crying. Dog Barking: Click to check barking sound. Gunshot: Click to check gunshots.

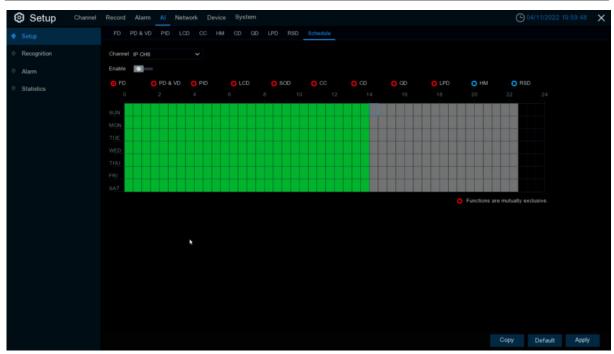
### 5.4.1.11 AI Schedule



When IPC connects to DVR with media ports, the schedule is as below:

Set the schedule for each AI feature recording. Selected to open, not selected to close.

When the IPC connects to the DVR with the WEB port, the schedule is as below:



Set the schedule for each AI function switch. Selected is open, not selected as closed, gray is unavailable.

Enable : enable schedule.

Functions are mutually exclusive: function mutually exclusive to the selected function.

# 5.4.2 Recognition

## 5.4.2.1 Model Configuration

Select the algorithm model in this menu. There are local and IPC algorithm models (some devices do not have local algorithm models and need to take the IPC of the algorithm model).

Setup Channe	Record Alarm Al Network	Device System		G 04/11/2	
Setup	Model Configuration Database	Management License Plate Management			
	Auto select face recognition mo	del			
Alarm	Device/Channel	Face Recognition Model	Face Detection Model	Enable Face Recognition	
Statistics	Local	V0.5.0.0.2-release			
	IP CH2		V0.4.1.6.1-release		
	IP CH6	V0.4.0.0.2-release	V0.4.1.6.1-release		
					Apply

### 5.4.2.2 Database Management

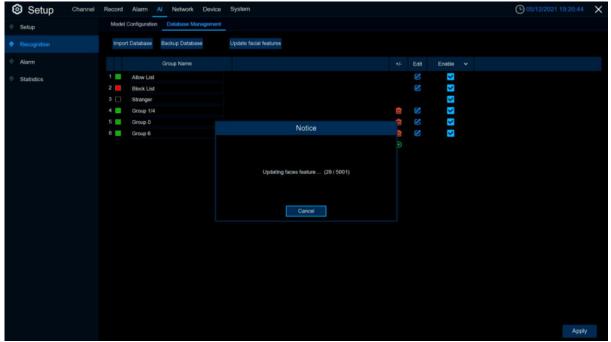
Setup Channel	Record Alarm Al Network Device	3 System		🕒 03/30/2022 19:33:24 🗙
Setup	Model Configuration Database Management	License Plate Management		
Recognition	Import Database Backup Database			
Alarm	Group Name		+/- Edit Enable 🗸	
Statistics	1 Allow List		6 🤁	
	2 📕 Block List		6	
	3 Stranger		<b>S</b>	
	4 📕 Group 1		😑 🗵 🗹	
		*		
				Apply

This menu sets up a database for face recognition database.

Import Database: import the exported file to the device.

Backup Database: Export all of the groups into the U disk.

**Update facial features**: update face features, switching the face features model or imported from external files face images or face database, after AI IPC recognition detected the face database face features and the current check face features model is inconsistent, will pop up update face features, Click update face features will be shown in the following figure below

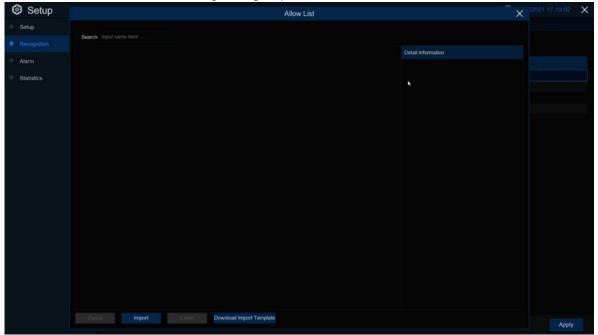


Click **Cancel** will pop up a prompt to continue or suspend the update, the remaining not updated next Click to update.

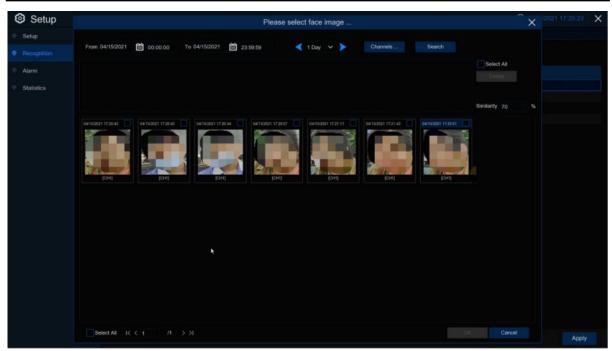
**Click** ( $\textcircled{\oplus}$  / im : add a new face group or delete an existing face group.(The default first three face groups cannot be deleted)

Enable: enable or disable face recognition group.

Edit: Click Edit to enter the editing face group interface.



Import: Click Local Storage Device to enter local face interface.



Select date, duration and channels, Click **Search** to search all of faces saved to the devices during that time. If you select face similarity and then Click **Search**, it will be searched out face which match to similarity. Click faces result image and **Delete**, select face and Click **OK** to enter import face page.

Edit face information in the right box, after editing, Click **Import** to finish, Click **Exit** to exit the interface.

Click **External Storage Device**, enter external memory storage, select the face image you want to import, the same step as importing the local face.

	Please select a director	у				×
Driver List:			<b>i</b> ≡ ~	+	Ĩ,	Ô
🖞 USB1-1	Name		Last Mod	ify		
	10 ·					
	System Volume Information	System Volume Information				
	onvif20.06		10/13/2020 1	0:01:48		
	10000000000000000000000000000000000000		04/07/2021 0	9:03:20		
	■ N5208EN_V200304V200922V201218V210221V2	70.837MB	03/02/2021 1	3:15:14		
	E System Volume Information.exe	119.000KB	01/09/2012 23:03:18			
	≡ map001.bmp	1.760MB	04/09/2021 1	3:07:04		
		01/09/2012 2	3:03:18			
	₩ 说明书 exe	119.000KB	01/09/2012 2:	3:03:18		
Remain:/Total: 14.233GB/14.405GB	Location: usb1-1 Selected Directory: usb1-1				•	*
Format	Refresh finished !				ancel	

**Export**: Export the face picture to the external memory storage, if you do not Click to the face group picture to **Export** all the face pictures of the face group; if you Click to the face group face picture to Click **Export** to export the selected face picture.

**Download import Template**: Download and import the template, you can export a template to an external memory, this template can contain a form and use instructions, you can fill in the information of the face picture information in this form, import this form can modify the information of multiple name face pictures, convenient to modify the face picture information.

Right-Click to select the face picture, select **Edit** to enter the face picture editing interface, and Click **Additional Face image** to import the face picture under different circumstances of the face.



## 5.4.2.3 License Plate Management

This menu provides a license plate information database for comparing the detected license plate information.

Setup Chan	nnei Record Alarm Al Network Device System	🕒 03/26/2022 15:36:21 🗙
Setup	Model Configuration Database Management License Plate Management	
	Import Database Backup Database	
Alarm	Group Name +/- Edit Enable	
Statistics	1 🔲 Allow List 🧭 😴	
	2 🧧 Block List 🧭 🍟	
	3 🗌 Unkown	

**Import Database:** import the exported packet data into the device.

Backup Database: export all the groups to a U disk.

Group Name: The name of the database group, allow list, black list, stranger group, you can add up to 61 custom groups, a total of 64 groups, one group can accommodate up to 5000 license plate information, the whole database can accommodate 10000 license plate information.

Click 🕒 / 💼 : To add a new license plate group or delete an existing license plate group.(The default first three license plate groups can not be deleted) Edit: Click Edit to enter the edit license plate group interface.

Enable: enable or disable LPD.

Setup	Channel Record Alarm Al Network Device System	O 02/22/2022 12:55:06 X
Setup	Allow List	×
Recognition	Search . Aspect licensin pitche herre . Total: 2	
<ul> <li>Alarm</li> </ul>	Edit License Plate Color Car Brand Car Type Owner Gender ID Code Phone Number Occupation Residence Remark	
Statistics	KG428753         Ubae         Invgy         rrf         Male         3632774         2443155604           K1688866         Blue         LUHU         caxxansheng         Male         354258         13066665736         deguo	
	Import ×	
	License Plate (3)	
	Color Blue Y	
	Car Brand Car Type Owner Gender Maie	
	ID Code Occupation	
	Phone Number	
	Residence	
	Remark	
	Alarm Chanest ()	
	K ( 1 /1 > > Import From CBV Import From Loss Laws Tax David	

Search: filtering license according to keywords.

Total: Total number of license plate data in this group.

Click Modify the corresponding license plate data information. There are three ways to add license plate information: Import (manually added), Import From CSV (CVS table import), and Import From Local (local import).

Click Import button to manually add a single license plate information,

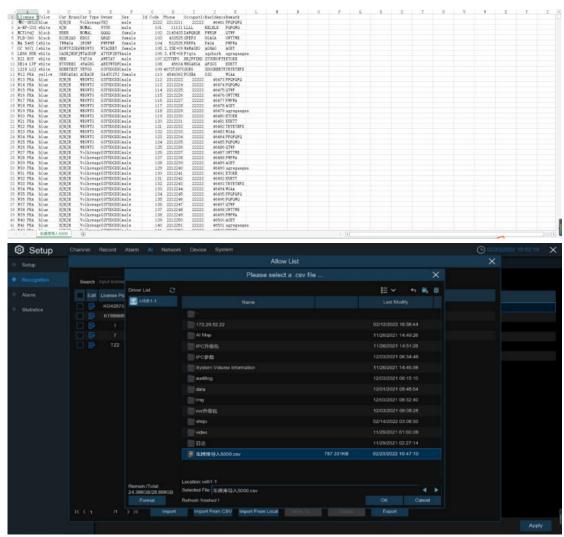
Click **Export** to export the entire group information to the external U disk.

Alarm Channel: Set the channel to alarm after the license plate is detected and successfully aligned.

Move to...: Check the re-check box of the license plate information and Click it again to transfer the license plate information to another group.

Delete: Check the re-check box of the license plate information and then Click this button to delete the license plate information.

Click Import From CSV button to import one or more CVS pieces of data. The format of the CVS table is shown below:

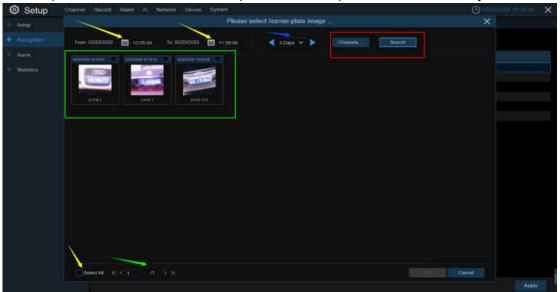


Click **Import From CSV** button to pop up the above interface, select the CSV license plate file to be imported, and Click the OK button. Popup the following below:

				Car Brand					port					×	
				Car Brand											
					cas i šbe		Gender			Occupation	R Ope	ration finis	hed 14995 succeeded and 5 failed		
		W4982 PRA	Blue	нинин	Volkswagen	GSY5DGDXGH	Male	5081	2217192	22222	time	nse Plate			
	×	W4985 PRA	Bloe		Volkswagen	GSY5DGDXGH	Male	5082							
Statistics	2	W4984 PRA	Blue		Volkswagen	GSYSDGDXGH	Main	5083	2217194	22222	Cele		Blue		
	2	W4985 FRA	Blue		Volkswagen	GSYSDGDXGH	Male			22222		Brand			
	2	W4986 PRA	Bhae		Volkswagen	GSYSDGDXGH	Male					Туре	Volkswagen		
	S	W4987 PRA	BMB		Volkswagen	GSYSDGDXGH	Male	5086	2217197	22222	Own				
	K	W4988 PRA	<b>Bite</b>		Volkswagen				tice		×	Ser.	Male		
	N	W4989 PRA			Volkswagen							e Numbe	2212211		
	~	W4990 PRA	Dive		Volkswagen							ode	12212211		
	S	W4991 PRA			Volkswagen										
	š	W4902 PRA	Blue	нинин	Volkswagen	The number of	plates in	the currer	t group has react	hed the upper li	ies(#)	spintion			
	N	W4903 PRA	Elkie		Volkswagen										
	×	W4994 PRA	Elke		Volkswagen							fence			
	2	W4905 PRA	Blue		Volkswagen										
	~	W4996 PRA	tike		Volkswagen										
	N	W4007 PRA			Volkswagen		Male				Ben	116			
	×	W4998 FRA	Bket		Volkswagen	G5Y5DGDXGH	Male					GEOFO			
	K		Bue		Volkswagen		Male								
	~	W5000 PRA	Blue		Volkswagen	GSYSDGDXGH	Male	5099		22222					
	<		Dise		Volkswagen		Male								

Click **Import/Modify** button to add a batch, and you can also modify one license plate information. When more than 5000 data are added, the message box with the content of "Add data has reached the upper limit of the group" will popup.

Click Import From Local button to import the license plate information locally to the database.



Select date, duration and channels then Click **Search** to search license plates saved by all devices during this time.

**Channels**: License plate detection events triggered by each channel. **Select All**: Select all the license plate information.

Setup	Channel Record Alarm Al Network Device System		Carai2022 10:40:30
			×
Setup     Faceguidan     Alarm     Statistics	State         Lowner Plete         Coir         Car Brand         Car Type         Gender         ID Code         Phone Number         Occupation         Readence           Image: Color         1         Blue         Male         Male         Image: Color         7         Blue         Male           Image: Color         7         Blue         Male         Image: Color         Image: Color	Operation Reinheid 1 t successfiel and 0 failed License Plate Color Celor Blue Car Round	
		Gar Type Owner Garvale Fiernale D Code Cocupation Resultance	
		Plemark	
	IC < 1 /I > >I. ImportModify Delete		

Click one of data to edit the license plate information and Click **Import/Modify** button to modify, if the modification is successful. will become .

# 5.4.3 Al Alarm

## 5.4.3.1 Face Recognition

When faces added in the group were detected, it'll be a series of alarm settings.

Setup	Channel	Record	E Ala	Irm AI Network Device Sy	stem				(	9 04(11/2022 20:01	
Setup		FR		LPR PD & VD PID LCD CO		RSD					
Recognition				Group Name	Enable Alarm 🐱	Policy	Similari	Alarm	Alarm Schedule	Alarm Channel	
				Allow List	<b>~</b>	Allow	70				
				Block List	<b>S</b>	Deny					
Statistics				Stranger	<b>N</b>	Stranger					
				N							

Enable alarm: enable or disable face detection Policy: set up face group alarm countermeasures Similarity: similarity settings

Alarm: Click 🙆 to enter alarm setting interface.

Interverse Save Background v Show Thumbnal v Send Email v FTP Picture Upload v Picture         Channel       Buzzer v       Alarm Out       Latch Time v       Seve Background v       Show Thumbnal v       Send Email v       FTP Picture Upload v       Picture         Ch1       Disable v       G       10 s v       V <th< th=""><th></th><th></th><th></th><th></th><th>Alan</th><th>m [ Allow List ]</th><th></th><th></th><th></th><th>×</th></th<>					Alan	m [ Allow List ]				×
CH1       Disable       ©       10 s       >       Y       Y       Y       Y       Y         CH2       Disable       >       ©       10 s       Y<		Buzzer	Alarm Out	Latch Time	Face Capture 🖌	Save Background	Show Thumbnail	Send Email	FTP Picture Upload	Picture
G8       G42       Disable       V       G       10 s       V       <										
CH3       Disable       V       S       V										
CH4       Disable       V										
CH5       Disable       V										
CH6       Disable       V										
CH7       Disable       ©       10 s       V <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
CH8       Disable       ©       10 s       V <t< td=""><td>CH7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	CH7									
CH9       Disable       ©       10 s       V <t< td=""><td>CH8</td><td>Disable</td><td></td><td>10 s</td><td></td><td>×</td><td></td><td></td><td></td><td></td></t<>	CH8	Disable		10 s		×				
CH10       Disable       V       IO s       V       <	СН9	Disable		10 s						
CH11       Disable       ©       10 s       V       <	CH10	Disable	0	10 s		-	-			
CH13       Disable       V       O       10 s       V       V       V       V       V         CH14       Disable       V       O       10 s       V       V       V       V       V       V         CH15       Disable       V       O       10 s       V       V       V       V       V         CH16       Disable       V       O       10 s       V       V       V       V       V		Disable		10 s		<b>S</b>	S			
CH14         Disable         ©         10 s         V         <		Disable	۲	10 s	2	3	3		2	
CH15         Disable         ©         10 s         V         <		Disable			2	Y	2		<b>S</b>	
CH16 Disable V 🐵 10 s V V V		Disable			<b>2</b>	S	5		<b>2</b>	
		Disable			<b>2</b>	×	3		2	
IP CH1 Disable 🗸 🚯 10 s 🗸 🗹 💟 💟 💟		Disable			2	<b>S</b>	3		<b>S</b>	
	IP CH1	Disable			<b>S</b>	<b>S</b>	×		<b>2</b>	
IP CH2 Decality V 🙃 10 s V 💌 💌 💌	IP CH2	Disable			2				23	
Copy Default Save								Сору	Default Sa	

Setup		FR AD	LPR	PD & VD PID	LCD CC CD Q	Alarm [ Allow Lis				~
Recognition						Alam [ Allow Lis	t]			×
	Alarm Out	Latch Time		Face Capture 🗸	Save Background 🗸	Show Thumbnail 🗸	Send Email 🗸	FTP Picture Upload 🐱		Voice Prompts
	۲			~	<b>S</b>	~		<b>2</b>		٢
Statistics				S	<b>S</b>	3		×		
				<b>S</b>	5	S		2		
				<b>S</b>	×	<b>S</b>		×		
				5	X	5		×		
				J	Y	3		3		
				3	<b>S</b>	<b>S</b>		×		
				×	Y	<b>N</b>		Y		
				3	Y	<b>S</b>		<b>S</b>		
		10 s		<b>S</b>	V	<b>S</b>		×		
				3	<b>S</b>	S		Y		
		10 s		3	Y	2		Y		
		10 s		X	S	5		S		
				X	<b>S</b>	3		S		
				5	)	3		M		
				×.	3	3		S		
				<b>S</b>	5	3		S		
								Сору	Default	Save
							-			

Alarm Out: optional function. If your DVR supports connecting to an external alert device, you can set up an external alert device.

Latch Time: Set up the external alarm time when the face is detected.

Save Face: The face is saved when the face is detected.

Save Background: When FD is detected, the entire preview image is saved.

Show Thumbnail: When FD is detected, a thumbnail prompt pops up on the preview.

Send Email: When FD is detected, the picture is sent to the set mailbox.

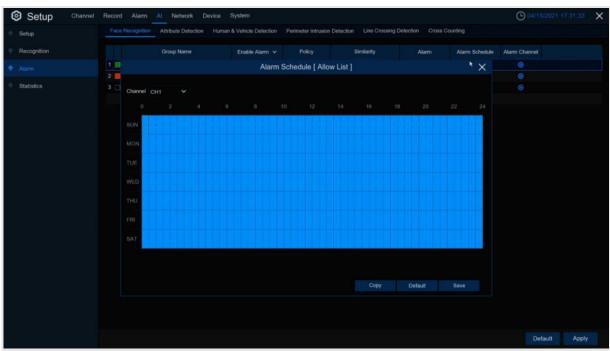
**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

Alarm Schedule: Click 😳 to enter schedule setting interface.



Check the time period **Exit** and **Apply,Copy** copy the current setting ti other channels. **Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function),Please view <u>5.3.9 Voice Prompts</u>

# 5.4.3.2 AD (Attribute Detection)

Setup Chann	nel Record A	larm Al Netw	ork Devi	ce Syster						() 04(11		1
Setup	FR AD	LPR PD & VD			co qu		RSD					
Recognition	Channel	Alarm Type		Buzzer		Alarm Out	Latch Time		Post Recording	✓ Show Message ✓	Send Email 🐱	
	IP CH6	Close	✓ OFF						30 s	× 🗹	×.	
Statistics												
				· 7.								
										Copy De	fault App	vk

Setup Channel	Record	Alarm Al	Network Devic	e System					O 04/11/2022	
Setup		AD LPR PD	& VD PID LC		RSD					
Recognition		Buzzer	← Alarm	Out Latch Time		Post Recording	Show Message 🗸	Send Email 🐱	Full Screen 🗸	Voice Prompt
		OFF	× (6	10 s	ON	30 s	2	×		
Statistics										
						۰.				
								Copy	Default	Apply

Configure the face attribute alarm function here.

Channel: Channel name

Alarm Detection: Set up face attribute detection type, there are three kinds of detection type .Close, No Mask, Wear Mask.

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a face attributes alarm.

Alarm out: Check the external alarm device when the pedestrian and vehicle alarm is triggered. Latch Time: set the duration of triggering the external alert devices (10s, 20s, 40s, and 60s).

**Record**: Click icon, select the channel to record when triggering pedestrian and vehicle alarms.

Record Channel																
Analog Channels	1															
IP Camera	11				5	6	(7)	8	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24								

**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show Sicon when face attendance alarms are detected. Send Email: DVR send an automatic email when face attendance alarms are detected. FTP Picture Upload: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud:** To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

Video to Cloud: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and face attendance are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

## 5.4.3.3 License plate recognition

Setup Char	nnei Record Alarm A Network Devi							G8/23/2022 0	
	FR AD LPR PD&VD PID L				1				
					an second	Alam	Alarm Schedule	Alarm Channel	
	1. EL Allow List	~	Allow	5 1	character(s)	©.	۲	۲	
	2 📕 Block List	<b>S</b>			character(s)				
	3 C Unkown	3	Unkown		character(s)			•	
	4 🛄 Group 1		Allow 👻		character(s)				
	5 🧧 Group 2	<b>S</b>			character(s)			0	
	6 📕 Group 3	<b>S</b>	Allow 🛩		character(n)				
								Default	Apply

When license plate added in the group were detected, it'll be a series of alarm settings.

#### Group Name: group name.

3

Enable alarm: Enable or disable license plate detection.

**Policy:** Set up license plate group alarm countermeasures.

**Fault-tolerant:** Fault tolerance rate, for example, when set to three characters, the white list in the group is B594SB, and also triggers alarms when a license B734KB enters the monitoring area. That is, the detection license plate number has 0~3 characters and the database license plate number is different will alarm.

Alarm Channel:Set the alarm channel after the license plate is detected and successfully aligned.

Alarm: Click	Solution the settings interface.
--------------	----------------------------------

Setup		FR /	AD I	PR PD 6 VI	D PID LCI	IC CD QD LPD RSE					
						Alarm [ Allo	w List ]			×	
Recognition											
	Channel	Buzzer		Alarm Out	Latch Time	License Plate Caputre 🗸	Save Background 🐱	Show Thumbnail 🗸	Send Email 🗸	FTP Picture Upload 🗸	
Statistics	IP CH1	Disable				<u>×</u>	<u>×</u>	S		<b>2</b>	
Statistics	IP CH2	Disable			10 s	<b>S</b>	N	×		<b>2</b>	
	IP CH3	Disable				<b>S</b>	S	M			
	IP CH4	Disable				<b>M</b>	S	×.			
	IP CH5	Disable				<b>V</b>	3	M			
	IP CH6	Disable				<b>S</b>	<b>S</b>	<b>S</b>		<b>2</b>	
	IP CH7	Disable			10 s	<b>S</b>	2	8		<b>2</b>	
	IP CH8	Disable			10 s	<b>S</b>	2	<b>S</b>		≤	
	IP CH9	Disable				<b>S</b>	2	<b>S</b>		<b>2</b>	
	IP CH10	Disable				<b>M</b>	Y	×		<b>2</b>	
	IP CH11	Disable				<b>S</b>	Y	<b>S</b>		<b>2</b>	
	IP CH12	Disable				<b>S</b>	3	<b>X</b>			
		Disable				<b>S</b>	3	×		2	
	IP CH14	Disable				<b>S</b>	5	3		<b>S</b>	
	IP CH15	Disable				×	3	<b>S</b>			
	IP CH16	Disable				×	2	<b>S</b>			
	IP CH17	Disable					2	8		2	
	IP CH18	Disable								2	
									Copy Def	ault Save	

Setup		FR A	D LPR PD&VD PID	LCD CC CD Q	Alarm [ Allow Lis	1			×	
Recognition						. J			^	
	Latch Tim		License Plate Caputre 🐱	Save Background 🗸	Show Thumbnail 🗸	Send Email 🗸	FTP Picture Upload 🐱		Voice Prompts	
			<b>S</b>	3	<b>S</b>		×			
Statistics	10 s		<b>V</b>	S	3		<b>S</b>			
	10 s		M	S	2		S			
	10 s		M	2	S		S			
	10 s		<b>S</b>	S	5		S			
	10 s		<b>N</b>	Y	2		S			
	10 s		M	S	S.		Y			
	10 s		V	Y	×.		Y			
			<b>N</b>	S	<b>S</b>		Y			
	10 s		<b>N</b>	Y	<b>S</b>		X			
	10 s		<b>S</b>	Y	S		Y			
			<b>N</b>	Y	2		Y			
			<b>Y</b>	Y	<b>S</b>		y			
			<b>S</b>	Y	3		Y			
	10 s		Y	Y	3		Y			
	10 s		<b>M</b>	X	<b>X</b>		Y			
	10 s		3	y	)		y			
								Default	Save	
								Continues		

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a license plate alarm.

License Plate Capture License plate number picture capture.

Save Background save the background.

Show Thumbnail: show the little thumbnails.

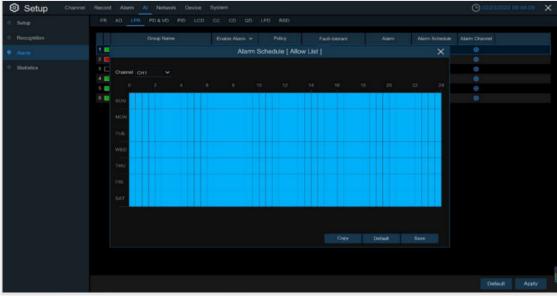
Send Email: When the license plate is detected, the picture is sent to the mailbox.

FTP Picture Upload: When the license plate is detected, the picture is sent to the FTP.

Picture to Cloud: When the license plate is detected, the picture is sent to the Cloud.

**Voice Prompts**: When the alarm is triggered, good audio files will be imported through voice prompts.

### Alarm Schedule: Click 🧐 to enter schedule interface.



Check the time period that you want to alarm, Click **Apply** to save. Click **Copy** to copy the current channel parameters to other channels.

Setup Channel	Record Alam	n Al Ne	etwork De	evice Syst	tem					G		
Setup		LPR PD &	VD PID			PD RSD						
Recognition	Channel	Buzze		Alarm Out	Latch Time	- V Reco	rd 🗢 Post	Recording 🗸	Show Message 🐱	Send Email 🗸	FTP Picture	Upload 🗸
		OFF			10 s		ON 30 s		<b>Z</b>		~	
		OFF		0	10 s		ON 30 s			×	-	
Statistics		OFF			10 s		ON 30 s		2	×	V	
	CH4	OFF				× 0				2	×	1
	CH5	OFF				× ()	ON 30 s		<b>S</b>		2	
		OFF				× 0	ON 30 s			M	×	
		OFF			10 s		ON 30 s		2	>	×	
	CH8	OFF			10 s	× ()	ON 30 s			M	×	
		OFF			10 s		ON 30 s		2	2	2	
		OFF				× 0			2	X	V	1
		OFF			10 s	× 0	ON 30 s		<b>2</b>	X	>	
	CH12	OFF				× 0			2	<b>S</b>	Y	
		OFF							<b>M</b>	×	¥	
		OFF			10 s		ON 30 s		<b>×</b>	Y	~	
		OFF							2	S	2	
		OFF								S	~	
		OFF			10 s		CN 30 s CN 30 s		ßß	8	2 2	
Setup Channel	Record Alam	n Al N	etwork De	evice Syst	tem					Сору	Default	Apply
					tem CD QD Li	PD RSD					Default 04/11/2022 2	
Setup		LPR PD &				PD RSD Show Message	✓ Send Email	v FTP Picture L	Jpload y Picture	G	04/11/2022.2	0,03:49
Setup Recognition		LPR PD &	VD PID				<ul> <li>Send Email</li> </ul>	✓ FTP Picture L		G	04/11/2022.2	0,03:49
Setup Recognition	FR AD I	LPR PD &	Record ~	LCD CC Post Re	CD QD Li	Show Message	2			to Cloud v F	04/11/2022.2	0.03.49 Voice Prom
Setup Recognition	FR AD L Latch Tin 10 s	LPR PD &	Record v	LCD CC Post Re 30 s	CD QD Li cording v	Show Message	8 8 8	6 G G		C to Cloud ~ F S S S S	04/11/2022 2	0.03.49 Voice Prom
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Setup Recognition	FR AD 1 Latch Tin 10 s 10 s 10 s 10 s 10 s 10 s 10 s 10 s		VD         PID           Record         •           ©         ON	LCD CC Post Re 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	CD QD LU	Show Message	000000000000000000000000000000000000000			(c) Cloud ~ F	104/11/2022 2	0.03.49 Voice Prom © © © © © © © © © ©
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Setup Recognition Alarm	FR AD 1 Latch Tin 10 s 10 s 10 s 10 s 10 s 10 s 10 s 10 s		PID           Record         •           0         0 <td>LCD CC Post Re 30 s 30 s</td> <td>CD QD U ecording</td> <td>Show Message</td> <td>8 8 8 8 8 8 8 8 8 8 8 8 8 8 8</td> <td></td> <td></td> <td>Court ~ F</td> <td>0.04/11/2022 2</td> <td>0.03.49 Voice Prom © © © © © © © © © © © © © © © © © © ©</td>	LCD CC Post Re 30 s 30 s	CD QD U ecording	Show Message	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			Court ~ F	0.04/11/2022 2	0.03.49 Voice Prom © © © © © © © © © © © © © © © © © © ©
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Recognition	FR AD 1 Latch Tim 10 s 10 s 10 s 10 s 10 s 10 s 10 s 10 s		PID         PID           Record         Image: Constraint of the state of the st	LCD CC Point Rec 30 s 30 s	CD QD U cording	Show Message	8888888888888888				104/11/2022 2	0.03.49 Voice Prom © © © © © © © © © © © © © © © © © © ©

Configure the pedestrian and vehicle alarm function

Channel: channel name

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a pedestrian and vehicle alarm.

Alarm out: Check the external alarm device when the pedestrian and vehicle alarm is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click icon to set channels that pedestrian and vehicle alarms.



**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when pedestrian and vehicle alarms are detected.

**Send Email**: DVR send an automatic email when pedestrian and vehicle alarms are detected. **FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud</u>.

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and the pedestrian and vehicle alarms are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

## 5.4.3.5 PID (Perimeter Intrusion Detection)

Setup Channel	Record Ala	arm Al Netv	work De	ivice Syst	em						Θ		
Setup		LPR PD & VD	PID			RSD							
Recognition	Channel	Buzzer		Alarm Out	Latch Time		Record 🐱	Post Recording		Show Message 🐱	Send Email 🗸	FTP Picture	Upload 🗸
	CH1	OFF		0	10 s		O ON	30 s		~	~		
	CH2	OFF		۲	10 s		ON ON	30 s			×		
Statistics		OFF								×	×		
	CH4	OFF					ON ON			2	>		2
	CH5	OFF						30 s		<b>S</b>	3		2
	CH6	OFF			10 s		ON ON	30 s		×	×		2
		OFF						30 s		<b>S</b>	<b>S</b>		4
	CH8	OFF			10 s		ON ON	30 s		×	2		2
		OFF			10 s			30 s		2	S	2	2
		OFF								2	2		
		OFF			10 s			30 s		>	×.		
	CH12	OFF					ON (			2	<b>S</b>		
		OFF								<b>S</b>	×		
	CH14	OFF			10 s		ON ON	30 s		×	×.		
		OFF								<b>S</b>	S		
	CH16	OFF					ON ON			<b>S</b>	×.		
	IP CH2	OFF		0	10 s		<ul><li>ON</li><li>ON</li></ul>	30 s		Q R	8.8		
Cotup Channel	Decord Al	amo Al Madu	work De	uica Suet	em						Сору	Default	Apply
		arm Al Netw LPR PD & VD		wice Syst	lem CD QD LPD	) RSD						Default	
Setup		LPR PD & VD				) RSD P Picture U	ipicad 🗸	FTP Video Upload	Pict	ture to Cloud 👻		04(11/2022 )	20:05:47
Setup Recognition		LPR PD & VD	PID				lpicad 🗸	FTP Video Upload	✓ Pict	ture to Cloud 👻	©	04(11/2022 )	20:05:47
Recognition	FR AD	LPR PD & VD	PID Show Mess		CD QD LPD		lpload 🗸		≠ Pict		©	04(11/2022 )	20.05:47 Voice Pror
Recognition	FR AD Post Rec 30 s	LPR PD & VD	Show Mess		CD QD LPD Ind Email v FTT	P Picture U Y Y Y	Ipload 🗸	8 8 8	e. Pict	C C C	Video to Cloud F	04/11/2022 3	20.05:47 Voice Pror
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Setup Recognition	FR AD Post Rec 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	LPR PD & VD	Show Mess		CO QO LPD nd Email v FTF V V V V V V V V V V V V V	P Picture U S S S S S S	lpicad v	00000	r Pict	8888	Video to Cloud F	i (04/11/2022 : iuli Screen →	20.05:47 Voice Pror © © © © © © ©
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Recognition	FR AD Post Rec 30 s 30 s	LPR PD & VD	PID           Show Mess.           Show Mess.           Show Mess.           Show Mess.		CD QD LPD nd Email v FTF S S S S S S S S S S S S S	P. Picture U 9 9 9 9 9 9 9 9 9 9 9 9	lpicad 👻	8 8 8 8 8 8	r Pict	00000000	Video to Cloud F	uli Screen v	20:05:47 Voice Prot © © © © © © © © ©
Recognition	FR: AD <b>Post Rec</b> 30 s 30 s	LPR PD & VD	Pi0           Show Mess.           Show Mess		CO QD LPD Ind Email v FTT S S S S S S S S S S S S S	P Picture U	Ipload 🤟	0 0 0 0 0 0 0 0	r Pict	8 8 8 8 8 8 8 8 8	Video to Cloud F	ull Screen ~	20:05:47 Voice Pror © © © © © © © ©
Setup Recognition	FR: AD <b>Post Rec</b> 30 s 30 s	LPR PD & VD	9 PID Show Messa Show		CO QD LPD Ind Email v FTT S S S S S S S S S S S S S	P Picture U	tpload v	00000000000000	≁ Piet	0 0 0 0 0 0 0 0 0	Video to Cloud	(04/11/2022 2	20:05:47 Voice Pror © © © © © © © © © © ©
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Setup Channel Setup Recognition Statistics	FR         AD           30 s         30 s	LPR PD & VD profing v v v v v v v v v v v v v v v v v v v	Show Messa Show Messa 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		CO CO LPD Ind Email V FTT D D D D D D D D D D D D D D D	P Picture U		0 0 0 0 0 0 0 0 0 0 0 0 0 0	r Pict	8 8 8 8 8 8 8 8 8 8 8 8 8 8	Video to Cloud	(04/11/2022);	20:05:47 Voice Pror © © © © © © © © © © © © © © © © © ©
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Channel: channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Perimeter Intrusion Detection.

Alarm out: Check the external alarm device when **Perimeter Intrusion Detection** is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click <sup>(1)</sup> icon to set channels that pedestrian and vehicle alarms.



**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when **Perimeter Intrusion Detection** are detected.

**Send Email**: DVR send an automatic email when **Perimeter Intrusion Detection** are detected. **FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud</u>.

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

Full Screen: If this feature is enabled and the **Perimeter Intrusion Detection** are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

## 5.4.3.6 LCD (Line Crossing Detection)

Setup Channe	el Record Al	arm AI Ne	twork Dev	vice System							C	9 04/11/2022	
Setup		LPR PD & V	D PID L	LCD CC		PD RSD							
Recognition	Channel	Buzzer		Alarm Out	Latch Time		Record ~	Post Recording		Show Message 🐱	Send Email v	FTP Pictur	re Upload 🐱
	CH1	OFF		<b>0</b>	10 s		ON ON	30 s		<b>2</b>			2
	CH2	OFF			10 s		ON ON			~	~		2
Statistics		OFF			10 s					₩	2		3
		OFF			10 s		ON (	30 s		<b>S</b>	~		<b>S</b>
	CH5	OFF			10 s			30 s		×	>		2
	CH6	OFF			10 s		ON ON	30 s		<b>M</b>	×		3
		OFF			10 s			30 s		2	<b>×</b>		8
	CH8	OFF			10 s		ON ON	30 s		<b>×</b>	<b>X</b>		S
		OFF			10 s			30 s		<b>×</b>	8		S
		OFF			10 s					<b>&gt;</b>	×		2
		OFF			10 s			30 s		<b>×</b>	8		S
	CH12	OFF			10 s		ON (	30 s		<b>M</b>	8		3
		OFF			10 s			30 s		<b>M</b>	×		2
		OFF			10 s		ON (	30 s		<b>X</b>	×		3
		OFF			10 s					2	2		3
		OFF			10 s		ON ON	30 s		<b>&gt;</b>	X		2
	IP CH2	OFF			10 s			30 s		X	×		Y
	IP CH6	OFF			10 s		ON ON	30 s		3	8		¥
			twork Dev			an pen					Сору	Default	
		arm Al Ne LPR PD & V				PD RSD					()		
Setup		LPR PD&N		.co cc (			) s Upload i 🗸	FTP Video Upload	Pic	ture to Claud 🐱	(		20.06.14
Setup Recognition		LPR PD&N	D PID L	.co cc (	CO QD LF I Email 🗸 F	TP Picture	Upload 🗸	2	· Pic		Video to Cloud	04/11/2022	20.06.14
Setup Recognition	FR AD Post Rec	LPR PD & V	D PID L Show Messag	.co cc (	CD QD LF Email v F V	TP Picture	i Upload 🗸	9 0	• Pic	5 S	Video to Cloud	04/11/2022 Fuß Screen ~	20.06 14 Voice Pro
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Setup Recognition	FR AD Post Red 30 s 30 s	LPR PD & V	D PID L Show Messay	.co cc (	CO QD LF	TP Picture	e Upload 🔍	0 0 0 0	r Pic	000	Video to Cloud	04/11/2022 Fuß Screen ~	
Setup Recognition	FR AD Post Rec 30 s 30 s 30 s	LPR PD & V	D PID L Show Messay V V V V V V V	.co cc (	CD QD LF	TP Picture	s Upload 🐱	0000	r Pic	888	Video to Cloud	04(11/2022      Full Screen	Voice Pro
Setup Recognition	FR AD Post Rec 30 s 30 s 30 s 30 s	LPR PD & V cording V V V V V V V V V V V V V	D PID L Show Messay 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	.co cc (	CO OD LF Email V F S S S S S S S S S S S S S S S S S S S	TP Picture	s Upload 🗸	88888	r Pic	8888	Video to Cloud	• 04(11/2022	2 20.06.14 Voice Proc © © © © © ©
Setup Recognition	FR AD Post Rec 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	LPR PD & V	D PID L Show Message V V V V V V V V V V V	.co cc (	CO OD LF Email V F S S S S S S S S S S S S S S S S S S S	TP Picture	e Upload : •	8 8 8 8 8 8	r Pic	0000	Video to Cloud	● 04/11/2022	2 20.05.14 Voice Prot © © © © © © ©
Setup Recognition	FR AD Post Rec 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	LPR PD & V	D PID L Show Messay V V V V V V V V V V V V V V V V V V	.co cc (	CO QD LF Email V F V V V V V V V V V V V V V V V V V V	TP Picture	e Upload 🖂	8 8 8 8 8 8	Pic	0 0 0 0 0 0 0 0	Video to Cloud	04/11/2022	2 20.08.14 Voice Pror © © © © © © © © ©
Setup Recognition Alarm	FR AD Post Rec 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s 30 s	LPR PD & V	D PID L Show Messay 2	.co cc (	CO QO U Email ✓ F C C C C C C C C C C C C C C C C C C C	TP Picture	Upload v	0 0 0 0 0 0 0 0	Pic	0 0 0 0 0 0 0 0 0	Video to Cloud	9 94(11/2022	2 20.08.14 Voice Proc © © © © © © © ©
Setup Recognition Alarm	FR AD Post Rec 30 8 30 8	LPR PD & V cording v v v v v v v v v v v v v v v v v v v	D PID L Show Messay 2	.co cc (	CC QD LF	TP Picture	Upload v	0 0 0 0 0 0 0 0 0	r Pic	00000000000000	Video to Cloud	944(11/2022	2 20:06:14 Voice Proc © © © © © © © © © © © © © © © © © © ©
Setup Recognition	FR AD Post Rec 30 8 30 8 30 8 30 8 30 8 30 8 30 9 30 9 30 9 30 9 30 9 30 9 30 9 30 9 30 9	LPR PD & V cording v v v v v v v v v v v v v v v v v v v	D PID L Show Messae Show Messa	.co cc (	CC QD U Email v F S S S S S S S S S S S S S	TP Picture	Uptoad v	0 0 0 0 0 0 0 0 0 0	× Pic	000000000000000	Video to Cloud	● 04/11/2022	Voice Proc © © © © © © © © © © © © © © © © © © ©
Setup Recognition	FR AD Post Rec 30 8 30 8	LPR PD & V cording v v v v v v v v v v v v v v v v v v v	D PID L Show Messai	.co cc (		TP Picture	Upload v	0 0 0 0 0 0 0 0 0 0 0	r. Pic	0 0 0 0 0 0 0 0 0 0 0	Video to Cloud	● 04/11/2022	Voice Pror
Setup Recognition	FR AD Post Rec 30 s 30 s 3	LPR PD & V sording v v v v v v v v v v v v v v v v v v v	D PID	.co cc (		TP Picture	Upload v	0 0 0 0 0 0 0 0 0 0 0	r Pic	0 0 0 0 0 0 0 0 0 0 0 0	Video to Cloud	● 04/11/2022	Voice Proc © © © © © © © © © © © © © © © © © © ©
Setup Recognition	FR AD Post Rec 30 8 30 8 3	LPR PD & V sorting v v v v v v v v v v v v v v v v v v v	D PID	.co cc (		TP Picture	Uptood v	0 0 0 0 0 0 0 0 0 0 0 0	Pic	8 8 8 8 8 8 8 8 8 8 8 8 8	Video to Cloud	● 04/11/2022	Voice Proc © © © © © © © © © © © © © © © © © © ©
Setup Recognition Alarm	FR AD Post Rec 30 8 30 8 3	LPR PD & V sorting v v v v v v v v v v v v v v v v v v v	D PID	.co cc (		TP Picture	Uptood	0 0 0 0 0 0 0 0 0 0 0 0 0	Pic	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Video to Cloud	● 04/11/2022	Voice Pron
Setup Channe Setup Recognition Alarm Statistics	FR AD Post Rec 30 s 30 s 3	LPR PD & V cording v v v v v v v v v v v v v v	D PID	LCO CC ( ge v Send		TP Picture	Uptoad : ~	0 0 0 0 0 0 0 0 0 0 0 0	r Pic	000000000000000000000000000000000000000	Video to Cloud	■ 44(11)2022	Voice Prof © © © © © © © © © © © © © © © © © © ©
Setup Recognition Alarm	FR AD Post Rec 30 8 30 8 3	LPR PD & V cording v v v v v v v v v v v v v v	D PID	LCO CC ( ge v Send		TP Picture 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Uptoad : ~ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0	r Pic	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		● 94(11/2022	Voice Prof © © © © © © © © © © © © © © © © © © ©
Setup Recognition Alarm	FR AD Post Rec 30 s 30 s 3	LPR PD & V cording v v v v v v v v v v v v v v	D PID	LCO CC ( ge v Send		TP Picture	Uptoad : ~ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0	Pic	000000000000000000000000000000000000000	Video to Cloud	■ 44(11)2022	Voice Prof © © © © © © © © © © © © © © © © © © ©
Setup Recognition Alarm	FR AD Post Rec 30 8 30 8 3	LPR PD & V cording v v v v v v v v v v v v v v	D PID	LCO CC ( ge v Send		TP Picture 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Uptoad : ~ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0	÷ Pic	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		● 94(11/2022	Voice Prof © © © © © © © © © © © © © © © © © © ©
Setup Recognition	FR AD Post Rec 30 8 30 8 3	LPR PD & V cording v v v v v v v v v v v v v v	D PID	LCO CC ( ge v Send		TP Picture 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Uptoad : ~ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0	r Pic	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		● 94(11/2022	2 20.06 14 Voice Proc © © © © © © © © © © © © © © © © © © ©

Configure the Line Cross Detection function.

Channel: channel name

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Line Cross Detection.

Alarm out: Check the external alarm device when Line Cross Detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click icon to set channels that pedestrian and vehicle alarms.



**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when LCD alarm are detected.

Send Email: DVR send an automatic email when LCD alarm are detected.

**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and the LCD alarm are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

# 5.4.3.7 CC (Cross Counting)

Setup	Channel	Record Al	arm Al Netw	ork Device	System				9	04/11/2022 20:06	36 X
Setup			LPR PD & VD	PID LCD	CC CD QD	LPD RSD					
Recognition		Channel	Buzzer	✓ Alarm	Out Latch Tir	ne 🗸 Record 🗸	Post Recording	Show Meesson	Rend Email	FTP Picture Uploa	a
		IP CH2	OFF	<ul> <li>Automation</li> <li>Automation</li></ul>		✓ (i) ON	30 s				
		IP CH6	OFF	× 0		~ (i) ON			×		
Statistics					10.8		20 8		1	1	
Setup	Channel	Record Ali	arm <u>Al</u> Netw	ork Device	System				Сару	Default #	Apply
Setup	Channel				System CC CD QD	LPD RSD					
	Channel		LPR PD & VD		CC CD QD	LPD RSD FTP Picture Upload 🗸	FTP Video Upload 🐱	Picture to Cloud 🐱	O	04/11/2022 20:06	39 🗡
<ul> <li>Setup</li> <li>Recognition</li> </ul>	Channel		LPR PD & VD		CC CD QD		FTP Video Upload 🗸	Picture to Cloud 🐱	O	04/11/2022 20:06	39 X
Setup	Channel	FR AD	LPR PD & VD	PID LCD	CC CD QD Send Email v	FTP Picture Upload 🐱			Video to Cloud F	04/11/2022 20:06	39 X
Setup Recognition Alarm	Channel	FR AD Post Rec 30 s	LPR PD & VD cording v SI	PID LCD	CC CD QD Send Email 🗸	FTP Picture Upload 🐱	2		Video to Cloud F	04/11/2022.20:06	<ul> <li>39 &gt;</li> <li>Prompts</li> <li>(9)</li> </ul>
Setup Recognition	Channel	FR AD Post Rec 30 s	LPR PD & VD	PID LCD	CC CD QD Send Email 🗸	FTP Picture Upload 🐱	2		Video to Cloud F	04/11/2022.20:06	39 > e Prompts

Configure Cross Counting function in this interface.

Channel: Channel name

Buzzer: DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Cross-Counting alarm.

Alarm out: Check the external alarm device when Cross Counting is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click icon to set channels that pedestrian and vehicle alarms.



**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when CC alarm are detected.

Send Email: DVR send an automatic email when CC alarm are detected.

**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and the CC alarm are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

### 5.4.3.8 CD (Crowd Density Detection)

Setup	Channel	Record Ali	arm AI Net	work [	Device Sys	tem					9	
Setup			LPR PD & V			CD QD LPD	RSE					
Recognition		Channel	Buzzer		Alarm Out	Latch Time		Record 🛩	Post Recording	Show Message 🐱	Send Email 👻	FTP Picture Upload 🐱
		IP CH2	OFF			10 s		O ON	30 s	<b>2</b>	2	<b>2</b>
Statistics		IP CH6	OFF					ON	30 s		S	8
						h ::						

Setup Channel	Record Alarm Al I	Network Device	System				(	04/11/2022	20:07:19 🗙
Setup	FR AD LPR PD	VD PID LCD	cc <u>cp</u> qp	LPD RSD					
Recognition	Post Recording 🖌	Show Message 🗸	Send Email 🐱	FTP Picture Upload 🐱	FTP Video Upload 😺	Picture to Cloud 🐱	Video to Cloud	Full Screen 🐱	Voice Prompts
• Alam	30 s 👻	2	<b>S</b>	M					
Statistics		Ð				9			
							Сору	Default	Apply

Configure Crowd Density Detection in this interface.

Channel: channel name

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Crowd Density Detection.

Alarm out: Check the external alarm device when Crowd Density Detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click 🧐 icon to set channels that pedestrian and vehicle alarms.

Analog Channels	1	2								10	11	12	13			16
IP Camera	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when CD alarm are detected. Send Email: DVR send an automatic email when CD alarm are detected.

**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and the CD alarm are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in 5.3.9 Voice Prompts

### 5.4.3.9 QD (Queue Length Detection)

Setup	Channel	Record Al	irm Al Netv	vork Device S	System				G	04/11/2022	20:07:53 🗙
Setup			LPR PD & VD		c co <u>oo</u> i	LPD RSD					
Recognition		Channel	Buzzer	✓ Alarm O	ut Latch Time	e 🗸 Record 🗸	Post Recording	✓ Show Message ✓	Send Email 👻	FTP Picture	Upload 🗸 F
		IP CH2	OFF		10 s	✓ () ON	30 s				
Statistics		IP CH6	OFF		10 s	~ 🛞 ON	30 s			2	
✓ Statistics						×					
Setup Recognition	Channel		LPR PD & VD	vork Device S PID LCD C how Message V	50 00 L	LPD RSD FTP Picture Upload 🗸	FTP Video Upload 🐱	Picture to Cloud 🗸		Default ) 04/11/2022 . Full Screen 🛩	
Setup	Channel		LPR PD & VD		50 00 L		FTP Video Upload 🐱	Picture to Cloud v	C	) 04(11/2022 )	20:07.55 🗙
<ul> <li>Setup</li> <li>Recognition</li> </ul>	Channel	FR AD Post Rec	LPR PD & VD ording v S	PID LCD C	CC CD 00 L Send Email •	FTP Picture Upload 🐱			Video to Cloud	) 04/11/2022 - Full Screen ~	20.07.55 X
Setup     Recognition     Alarm	Channel	FR AD Post Rec 30 s	LPR PD & VD ording v S	PID LCD ( how Message 🗸	CC CD OD L Send Email 🗸	FTP Picture Upload 🗸		2	Video to Cloud F	) 04/11/2022 : Full Screen ~	20.07.55 X Voice Prompts
Setup Recognition Alarm	Channel	FR AD Post Rec 30 s	LPR PD & VD ording v S	PID LCD ( how Message 🗸	CC CD OD L Send Email 🗸	FTP Picture Upload 🗸		2	Video to Cloud F	) 04/11/2022 : Full Screen ~	20.07.55 X Voice Prompts

Configure Queue Length Detection in this interface.

Channel: channel name

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Queue Length Detection.

Alarm out: Check the external alarm device when Queue Length Detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click icon to set channels that pedestrian and vehicle alarms.



**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when QD alarm are detected.

Send Email: DVR send an automatic email when QD alarm are detected.

**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

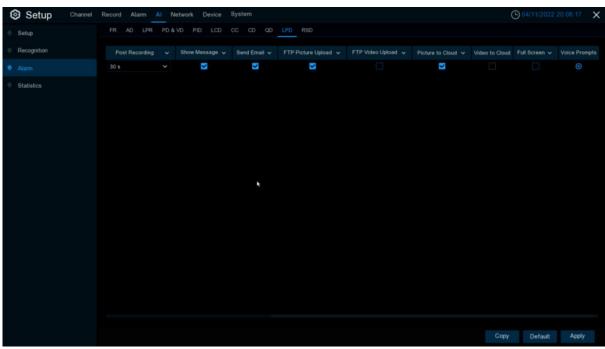
**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and the QD alarm are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>

### 5.4.3.10 LPD (License Plate Detection)

Setup Channel	Record Alam	n Al Network I	Device Sys	tem					9	04/11/2022 20:08:16	×
0 Setup		LPR PD & VD PID		CD QD LPD	RSD						
Recognition	Channel	Buzzer 🗸	Alarm Out			Record 🐱	Post Recording	Show Message 🐱	Send Email 🗸	FTP Picture Upload 🗸	
	IP CH6	OFF Y		10 s			30 s	X	M	3	
Statistics				×							
									Сору	Default Apply	



Channel: channel name

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a License plate detection.

Alarm out: Check the external alarm device when License plate detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

**Record**: Click 😟 icon to set channels that License plate detection alarms.

Record Channe	I								
Analog Channels	1						13		
IP Camera									

**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>So</sup> icon when LPD alarm are detected.

Send Email: DVR send an automatic email when LPD alarm are detected.

**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Full Screen**: If this feature is enabled and the LPD alarm are detected in the channel, you will see the channel in full-screen mode.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in <u>5.3.9 Voice Prompts</u>.

### 5.4.3.11 RSD (Rare Sound Detection)

Setup	Channel	Record Al	arm Al Netwo	rk Device S	System				Ċ	04/11/2022 20:0	
Setup			LPR PD & VD			PD RSD					
Recognition		Channel	Buzzer	✓ Alarm Oc	ut Latch Time	V Record V	Post Recording	<ul> <li>Show Message</li> </ul>	Send Email 👻	FTP Picture Uple	ad 🗸
		IP CH2	OFF		10 s	~ (i) (N			~	<b>~</b>	
Statistics		IP CH6	OFF		10 s	✓ ③ ON	30 s				
						×					
Setup	Channel	Record Ali	arm <u>Al</u> Netwo		iystem				Сору	Default ) 04/11/2022 20:0	Apply 19:15
Setup			LPR PD & VD								
Recognition		Post Rec	cording 🗸 Sh	ow Message 🗸	Send Email 🗸 1	TP Picture Upload 🗸	FTP Video Upload 👽				
Recognition							FTP Video Upload 🗸	Picture to Cloud 💙	Video to Cloud F	Full Screen 🐱 Vol	e Prom
		Post Rec 30 s	cording v Sh	ow Message 🗸	Send Email 🗸 🕴	TP Picture Upload 🗸		2			

Configure the Rare Sound Detection in this interface.

Channel: channel name

**Buzzer:** DVR internal buzzer. You can set the buzzer duration time (in seconds) for triggering a Rare Sound Detection.

Alarm out: Check the external alarm device when Rare Sound Detection is triggered. Latch Time: Set the duration of triggering the external alert devices (10s, 20s, 40s, and 1Min).

Record: Click 🙆 icon to set channels that Rare Sound Detection alarms.



**Post Recording**: set the duration of continuous DVR recording after the event occurs. The suggested recording time is 30 seconds, but can be set to up to 5 minutes.

Show Message: Select this box to show <sup>55</sup> icon when RSD alarm are detected.

Send Email: DVR send an automatic email when RSD alarm are detected.

**FTP Picture Upload**: To upload alarm images to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**FTP Video Upload**: To upload alarm video to FTP server when an alarm is triggered. To enable FTP, please view <u>5.4.4 FTP</u>.

**Picture to Cloud**: To upload alarm images to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

**Video to Cloud**: To upload alarm video to Cloud server when an alarm is triggered. To enable Cloud, please view <u>5.5.2 Cloud.</u>

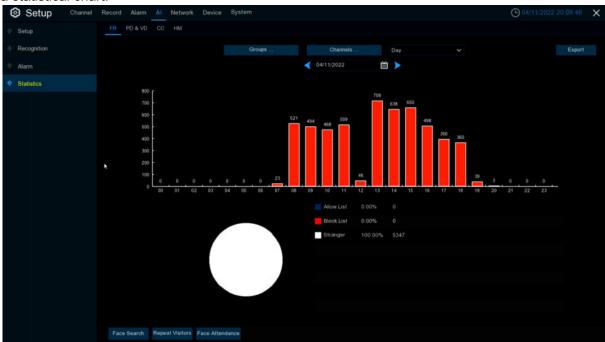
**Full Screen**: If this function is enabled and an alarm is triggered in a channel, you will see that channel in full screen.

**Voice Prompts**: Voice prompt, when the alarm is triggered, the audio file is imported by the voice prompt (the IPC needs to support the voice prompt function), Please view in 5.3.9 Voice Prompts

# 5.4.4 Statistics

### 5.4.4.1 FR Statistics

In the face statistics, the faces can be all detected in a period of time, and reflected in the form of a statistical chart.



Select **Groups**, **Channels**, date and statistical time to search results.Click **Export** to import the data to U disk.

### 5.4.4.2 PD&VD Statistics

In the statistics of people and cars, all the detected people and cars in a period of time can be counted and reflected in the form of statistical diagram.



Selecting Intelligent Groups, Channels, date and statistical time to search result.

### 5.4.4.3 CC Statistics

In the statistics of people and cars, all the detected people and cars in a period of time can be counted and reflected in the form of statistical diagram.

Setup Channel	Record Alarm	AI Netw	ork Device	System												0			
Setup	FR PD & VD	CC HM																	
Recognition	Channel IP CH	6 ~	Date	04/11/202		iii	Report Typ	Daily F	Report	*									
Alarm	Cross Type Cross		Detection Ty	pe Motion													Search		
	10 8 6 4 2										0 0	0							
	<sub>0</sub> ل_	0 02	03 04	05 06	07	08	0 0	11	12		0 0		_	18	0 19	20	21	22	23
			0																
								00 - 00:59											
								00 - 01:59											
								00 - 03:55											
								00 - 04:59											
								10 - 05:59											
								00 - 06:55											

### Channel: Select channels

Date: Select the date

**Report Type**: Select report type, there are Daily Report, Weekly Report, Monthly Report, Annual Report.

**Cross Type**: Crossing type, there are Cross and Cross Out.

**Detection Type**: Select the detection type that triggers CC, there are Motion, Person, Vehicle. Click **search** to search the result. Export: The result export to external USB drive. Select Column Chart to show as below picture. Select Line Chart to show as below picture.

Setup Channel	Record Alarm Al Network Device	System	O4(11/2022 20:10:54 ×
Setup	FR PD & VD CC HM		
Recognition	Channel IP CH6 🗸 Date	04/11/2022 🛗 Report Type Daily Report 🗸	
Alarm	Cross Type Cross In 🗸 Detection T	VPP Motion V	lumn Chart Search Export
	10 r		
		- 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 15 10 11 13 13 13 20 21 22 23
		03:00 - 03:59	
		05:00 - 05:59	

### 5.4.4.4 Heat Map Statistics

In the heat chart statistics, the frequent activity of some areas can be counted over a period of time and reflected in the form of statistical chart.



Channel : Select channel Date : Select date Start Hour : Select the start time

End Hour: Select the end time **Report Type**: report type, there are Daily Report, Weekly Report, Monthly Report, Annual Report. Click Search to search the result.

**Export**: export the result to USB

Select Space Heat Map as upper picture shows

Select Time Heat Map as below picture shows

Select time heat map type has Start Hour and End Hour.



## 5.5 Network

This menu allows you to configure network parameters, such as PPPoE, DHCP, and so on. The most common types are DHCP. Most probably your network type is DHCP, unless the network is manually addressed. If you need an authentication user name and password to the Internet, then choose PPPoE.

# 5.5.1General

### 5.5.1.1 General

Setup Channel	Record Alarm	Al Network Device System		O 2022-04-19 19:12 11	×
• General	General PPPoE	SNMP Port Configuration			
• DDNS	WAN				
Email	DHCP				
🔍 ЕТР	IP Address	172 020 056 062			
• IP FILTER	Subnet Mask	255.255.255.000			
Voice Assistant	Gateway	172 020 056 001			
Platform Access	IPv6 Address	fe80 223 63ff fe94 a711	/ 064		
	IPv6 Gateway	fe80:764			
	DNS1	172.018.001.222			
	DNS2	008.008.008			
			×		
	🛃 Web Compat	ibility Mode 🕢			
				Default Apply	

If you connect to a router allows to use DHCP, please check the DHCP box. The router will assign

automatically all the network parameters for your DVR. Unless the network is manually

addressed below parameters:

IP Address: The IP address identifies the DVR in the network. It consists of four groups of

numbers between 0 to 255, separated by periods. For example, "192.168.001.100".

**Subnet Mask**: Subnet mask is a network parameter which defines a range of IP addresses that can be used in a network. If IP address is like a street where you live then subnet mask is like a neighborhood. The subnet address also consists of four groups of numbers, separated by periods. For example, "255.255.000.000".

**Gateway**: This address allows the DVR to access the Internet. The format of the **Gateway** address is the same as the **IP Address**. For example, "192.168.001.001".

**IPv6 Address**: Please fill the IPv6 address to be set if your network support IPv6. **IPv6 Gateway**: Please fill the gateway to be set if your network support IPv6. Format like "ABCD:EF01:2345:6789:ABCD:EF01:2345:6789".

**DNS1/DNS2:** DNS1 is the primary DNS server and DNS2 is a backup DNS server. Usually should be enough just to enter the DNS1 server address.

Web Compatibility Mode: If you login of the Win7 system PC after turning on the HTTPS, you need to check this item to switch to the HTTPS page

### 5.5.1.2 PPPoE

Setup Chann	el Record Alarm A	I Network Device System	G 03/30/2022 19:37:20
	General PPPoE	SNMP Port Configuration	
DDNS	Enable PPPOE		
Email	User		
	Password		
IP FILTER	IP Address		
Voice Assistant	Subnet Mask		
Platform Access	Gateway		
	DNS1		
	DNS2		
		*	

This is an advanced protocol that allows the DVR to connect to the network more directly via DSL modem.

Check the "Enable PPPOE" box, and then enter the User name & Password of the PPPoE.

Click Apply to save, system will reboot to active the PPPoE setting.

### 5.5.1.3 SNMP

Simple Network Management Protocol (<u>SNMP</u>) is a standard application layer protocol designed for IP networks to manage network nodes (like servers, workstations, routers, switches, and HUBS).Only available for some models which firmware support.

Setup Channel	Record Alarm Al Netwo	ork Device System		03/30/2022 19:3	17:42 X
🔮 General	General PPPoE SNMP	Port Configuration			
• DDNS	Enable SNMP				
🔶 Email	SNMP Version				
• FTP	SNMP Port	00161			
• IP FILTER	Read Community	public			
	Write Community	private			
Voice Assistant	Trap IP Address	127.000.000.001			
Platform Access	Trap Port	00162			
			*		
				Default	Apply

Enabled SNMP, you can obtain some of the DVR information through the SNMP protocol, such as the software version of DVR, device type, channel IP, resolution, frame number, etc.

### 5.5.1.4 WIFI Setting

Setup Channel	Record Alarm	Al Network Device System	1		03/30/2022 1	):45:52 X
• General	General PPP	oE SNMP Wireless Port Configu	iration			
• DDNS	Enable					
Email	SSID	ZX-CP-04	Scan			
• ETP	Password	•••••				
• IP FILTER	IP Address					
Voice Assistant						
<ul> <li>Platform Access</li> </ul>	Link Status:	Link Station: Not Connected		*		
<ul> <li>Platform Access</li> </ul>						
					Default	Apply

8.2.2 Version and above DVR will appear wireless configuration page after accessing the WiFi dongle. DVR can connect to WIFI to access the Internet by configure this page. **Enable:** WIFI connected once this function enabled **SSID:** WiFi name,Click Scan button to search available SSID.

		Scan		×
DDNS				
Email	SSID	Rate	Security	
	TP-Link SRL	hı.	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
IP FILTER	2.4G OK	.al	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
Voice Assistant	TP-LINK_3CB4	.af	[WPA-PSK-CCMP][WPA2-PSK-CCMP][ESS]	
Platform Access	\x00\x00\x00\x00\x00\x00	.al	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
	CP-ZX-01		[WPA-PSK-CCMP][WPA2-PSK-CCMP][ESS]	
	ZX-CP-04		[WPA-PSK-CCMP][WPA2-PSK-CCMP][ESS]	
	swann3		[WPA-P5K-CCMP][WPA2-P5K-CCMP][E55]	
	RS328B8A	.il	[WPA-PSK-CCMP][WPA2-PSK-CCMP][ESS]	
	CPGL-SWANN-2.4G	at	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
	CPGL-SWANN-2.4G	.at	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
		.il	[WPA2-PSK-CCMP][ESS]	
	CPGL-SWANN-2.4G	.at	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
	CPGL-SWANN-2.4G	.at	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
	CPGL-SWANN-2.4G	.1	[WPA-PSK-CCMP+TKIP][WPA2-PSK-CCMP+TKIP][ESS]	
			Update	

When selecting the WIFI to be connected in the list, double-Click the WIFI name to be connected **Rate:** Signal intensity.

Security: Security protocol information used by WIFI.

Update: update list information.

Password: The password of the WIFI selected. IP Address: The IP address obtained after successfully connecting the WIFI. Link Status: Connection status. Default: Configuration default to factory settings. Apply: Save the changes.

### 5.5.1.5 Port Configuration

Setup Channel	Record Alarm	Al Network	Device Syste	em					04/07/2022 14:12:58	×
• General	General PPPo	E SNMP Port C	Configuration							
DDNS		Service	Protocol	Internal Port	External Port	UPNP Status	Maping Strategy	UPNP		
🌵 Email		Http://ttps/RTSP		00080		Inactive				
• FTP		Client		09000		inactive				
• IP FILTER										
Voice Assistant	instruction:			*						
Platform Access		p/streaming?channel=	A&subtype=B							
	A:01(ch1),02(c	sh2)								
	B:0(main strea	m),1(sub stream)								
	External IP									
	P2P Switch	<b>v</b>								
	Forward Port									
									Default Appl	

**Web Port**: This is the port that you will use to log in remotely to the DVR (e.g. using the Web Client). If the default port 80 is already taken by other applications, please change it.

**Client Port**: This is the port that the DVR will use to send information through. If the default port 9000 is already taken by other applications, please change it.

**RTSP Port:** DVR is allowed to transport real time streams to other device via RTSP port. (e.g. VLC player)

**Https Port** :Https port ---Web browsing ports are mainly used for HTTPS services. It is another HTTP that provides encryption and transmission through the security port.

**Note:** 8.2.2 version is common port, HTTP port,RTSP port, and HTTPS port to share one port, and the default is 80.

**UPNP**: If you want to log in remotely to the DVR using Web Client, you need to complete the port forwarding. Enable this option if your router supports the UPNP. You need to enable UPNP both, on DVR and router. In this case, you do not need to configure manually port forwarding on your router. If your router does not support UPNP, make sure the port forwarding is completed manually.

Mapping Strategy: Switch to Manual mode, you can set up External Port manually. P2P Switch: P2P connection can't work once switch disable..

**Forward Port:** The IPC hyperlink switch can access the IPC web page through the hyperlink on the web of the DVR. At present, only the web port is launched or listed through search, and the IPC that supports API can use the hyperlink to access.

# 5.5.2 DDNS (Dynamic Domain name server)

This menu allows you to configure DDNS settings. The DDNS provides a static address to simplify remote connection to your DVR. To use the DDNS, you first need to open an account on the DDNS service provider's web page.

Setup Channel	Record Alarm Al Network Device System	O4/15/2021 17:44:30	×
* General			
• DONS	DDNS		
© Email			
FTP	Donán		
IP FILTER			
	Password Show Password		
		Default Apply	

#### DDNS: Check to enable DDNS.

Server: Select the preferred DDNS server (DDNS\_3322, DYNDNS, NO\_IP, CHANGEIP, DNSEXIT).

**Domain**: Enter the domain name you created on the DDNS service provider's web page. This will be the address you type in the URL box when you want to connect remotely to the DVR via PC. Fox example: dvr.no-ip.org.

**User/Password**: Enter the user name and password you obtained when creating an account on the DDNS service provider's web page.

After all parameters are entered, Click **Test DDNS** to test the DDNS settings. If the test result is "Network is unreachable or DNS is incorrect", please check whether the network works fine, or the DDNS information is correct or not.

After user applies for a dynamic domain name service, you can use browser to remotely access DVR through the domain name, forming the domain name of http://DDNS: the web port of the mapping/. When the DDNS domain name is used to access the DVR, you need to confirm the port and and The current IP can be connected normally on the public network. The server address/host name/user name/password/setting is consistent with the DVR local settings.

# 5.5.3 Email

This menu allows you to configure email settings. Please complete these settings if you want to receive the system notifications on your email when an alarm is triggered, HDD becomes full, HDD is in error state, or Video Loss occurs.

Setup Channel	Record Alarm Al <u>Network</u> Device System	O4/15/2021 17:44:54	×
🔶 General	Email Configuration Email Schedule		
DONS	Emat		
Email	Encryption Auto		
⊕ FTP	SMTP Port 00025		
IP FILTER	SMTP Server		
V IF FILTER	User Name		
	Password Show Password		
	Sender		
	Receiver 1		
	Receiver 2		
	Receiver 3		
	Interval 1 May		
		Default Appl	

## 5.5.3.1 Email Configuration

Email Configuratio	n Email Schedule	
Email		
Encryption		
SMTP Port		
SMTP Server		
User Name		
Password		Show Password
Sender		
Receiver 1		
Receiver 2		
Receiver 3		
Interval		

Email: Check to enable.

**Encryption**: Enable if your email server requires the SSL or TLS verification. If you are not sure, set to be **Auto**.

SMTP Port: Enter the SMTP port of your email server.

SMTP Server: Enter the SMTP server address of your email.

User Name: Enter your email address.

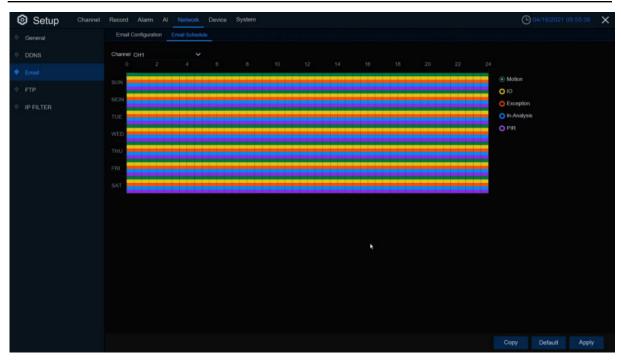
Password: Enter the password of your email.

**Receiver 1~3**: Enter the email address where you want to receive the event notifications from the DVR.

**Interval**: Configure the length of the time interval between the notification emails from the DVR. To make sure all settings are correct, Click **Test Email**. The system sends an automated email message to your inbox. If you received the test email, it means the configuration parameters are correct.

### 5.5.3.2 Email Schedule

You need to configure the schedule to fully implement the Email notification.



The color codes on email schedule have the following meanings:

Motion: Green area IO:Yellow Area Exception: Red area In-Analysis: Blue Area PIR: Purple area

# 5.5.4 FTP

This menu allows you to enable FTP function to view and load captured snapshots from DVR to your storage device over FTP.

Setup 0	Channel f	Record Alarm Al Net	work Device	System		04/15/2021 17:4	6:57 X
🔮 General		FTP FTP Schedule					
DDNS		FTP Enable					
Email		Server IP					
• FTP		Port					
		User Name					
• IP FILTER		Password			Show Password		
		Picture Resolution					
		Picture Quality					
		Video Stream Type					
		Max Package Interval					
		Directory Name					
		Upload Normal Video					
		Upload Alarm Video	Motion .	EIR Alami Settings Intelligent			
						Default	Apply

**FTP Enable**: Click to enable FTP function.

Server IP: Enter your FTP server IP address or domain name.

**Port**: Enter the FTP port for file exchanges.

Name/ Password: Enter your FTP server user name and password.

Picture Resolution : Set the resolution of the image uploaded to FTP

Picture Quality: Set the quality of the image uploaded to FTP

Video Stream Type: Set the video stream type uploaded to FTP, mainstream and sub stream for optional.

Max Package Interval: Set the Max Package Interval of video.

**Directory Name**: Enter the default directory name for the FTP file exchanges.

Test FTP: Click to test the FTP settings.

Centeral         FTP_FTP Schedule           DDNS         Channel CH1         V           0         2         4         6         8         10         12         14         16         18         20         22         24           Email         Email	
0 2 4 6 8 10 12 14 16 18 20 22 24	
SUN O Normal	
FIP     O Moton	
IP FILTER	
WED OF Analysis	
SAT	
Сору Деб	fault Apply

**FTP Schedule**: Need to configure the plan to perform FTP file uploading. The color codes on email schedule have the following meanings:

Normal: Green area (Default it not selected)

Motion: Yellow area

IO: Red area

**PIR:** Purple area **In-Analysis**: Blue area

### 5.5.5 IP Filter

This function allows you to set a blacklist and whitelist so that only the IP addresses in the whitelist can connect to the device.

Setup Channel		Network Device System					O4/15/2021 1		×
🔮 General	IP FILTER								
• DONS	Enabl	C Enable Allow List O Enable Block	the						
Email									
· FTP	Restricted Start Addr								
• IP FILTER	End Addre			Notkork Segment Adv	1				
* IP FILIER		Start Address	End Add			Delete			
		Start Autress	End Add	1038		Deleto			
*									
422									
							Default	Apply	

Enable : Enable or disable the IP filter function. Can use the blacklist or whitelist once enabled. Restricted Type : Select the list (blacklist or whitelist) to set. Start Address : Input the Start Address. End Address : Input the End Address.

### 5.5.6 Voice Assistant

The voice assistant function allows DVR to connect Google Cast or Amazon Firetv Stick, and project real -time monitoring images through voice control.

### 5.5.6.1 Amazon

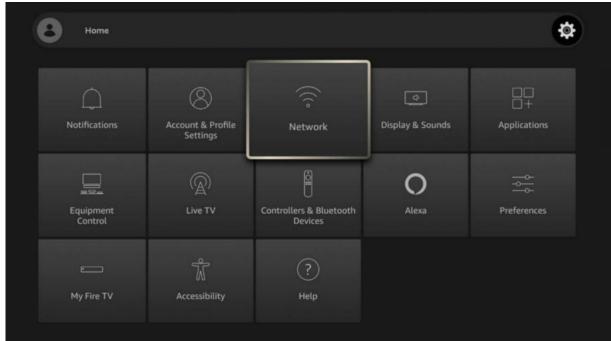
1.Enter your Amazon account and Click the **Bind** button to connect and bind your Amazon account. Choose the video code flow to play to the TV display.

Setup Channel	Record Alarm Al Network Device System	<b>(</b> ) 05/07/2022 09:06:39	×
🔮 General	Amazon Google		
DDNS	User The user here need to be the account of AWS.		
Email			
0 FTP			
• IP FILTER	Screen stream Y		
Voice Assistant			
Platform Access			
	*		
		Default Appl	

2.Enter "**Channel–Live**" page,set a channel name so that easy to show this channel video on TV or monitoring.

Channel	Live										
	Channel	Setup	Covert 🗸	Channel Name	Show Name 🛩	Date Format	Time Format	Show Time 🗸	Refresh R	tate 🛩	
Image Control	CH1			Camera	<b>~</b>	YYYY-MM-DD	24 Hour	×	60Hz		
	CH2										
Video Cover	CH3			Camera	<b>M</b>	YYYY-MM-DD	24 Hour	×	60Hz		
Motion	CH4										
PIR	CH5			Camora	2	YYYY-MM-DD	24 Hour	×	50Hz		
	CH6			Camera	<b>N</b>	YYYY-MM-DD	24 Hour	×	60Hz		
Deterrence	CH7			Camera	Y	YYYY-MM-DD	24 Hour	<b>&gt;</b>	60Hz		
Intelligent	CH8			Camera	<b>S</b>	YYYY-MM-DD	24 Hour	<b>S</b>	60Hz		
				8							
				Ŕ							
				¥							
				8							
				Ϋ́.							

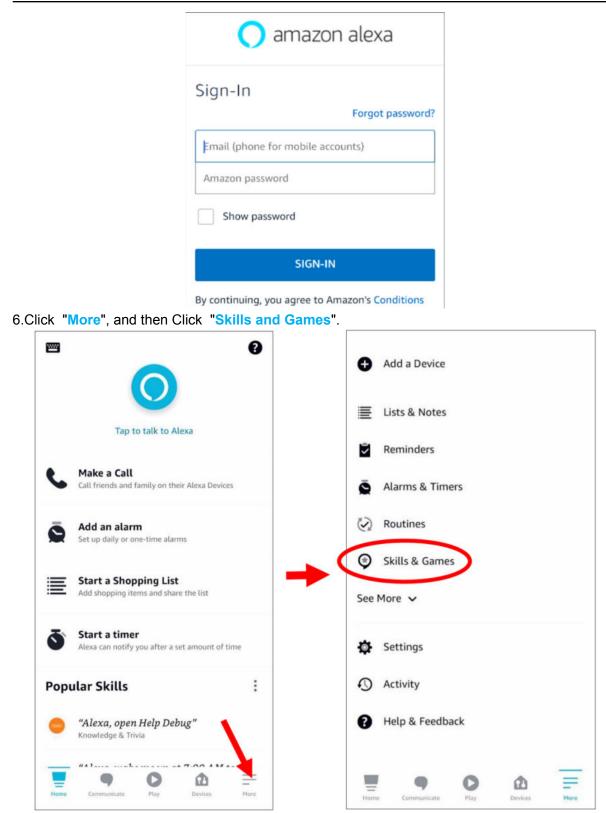
3.Connect Fire TV Stick to the TV monitor and turn on the power. Connect Fire TV Stick to Wi-Fi, which is located in the same local area network as DVR.



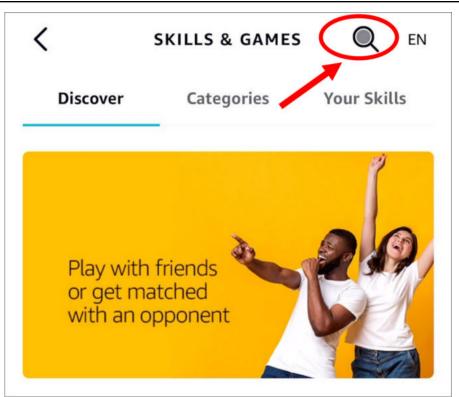
4.Use the existing configuration file or add a new configuration file, and log in to the Amazon account with the same DVR as DVR.

	LOOKS LIKE YOU HAVE SOME AMAZON PROFILES. Create a new profile or add an existing one. Create a New Profile	
	rsks888 From your Amazon Account	
Add profile		
	ACCOUNT & PROFILE SETTINGS	
$\bigcirc$	Amazon Account Hello, TuringSue	Deregister your Amazon Account and register a new one.
$\bigcirc$	Sync Amazon Content	
Account & Profile Settings	Prime Video	
	Kids Settings	

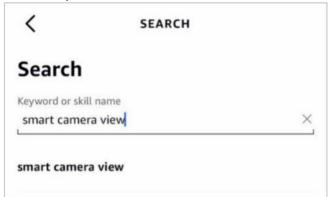
5.Search from the App Store and install Amazon Alexa to your mobile phone, and then log in with the same Amazon account that is bound to the DVR account.



7.Click the search icon in the upper right corner.



8.Enter keywords: Smart Camera View, and search.



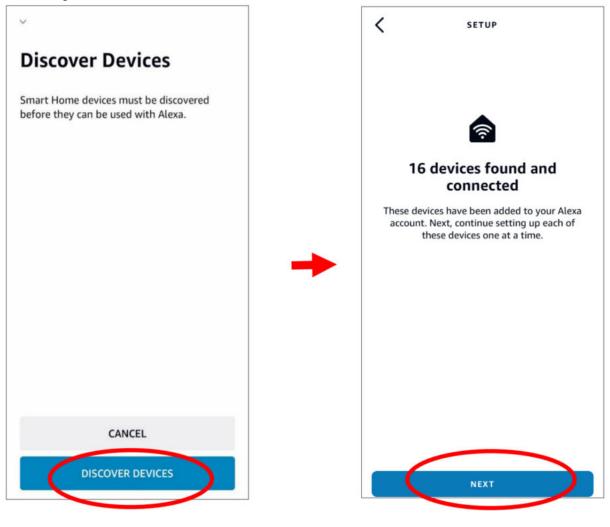
Click "Smart Camera View"to enter search list.

<	SEARCH		
Sear	ch		
smart	camera view	1	
7,481 F	Results Sort: Relevance ~		
Ó	Smart Camera View "Alexa, show my feed from the office camera." Smart Home		
()	☆☆☆☆☆ 이 ISIWI PLUS "Alexa, show my feed from the office camera."		
Click "EN	Smart Home ☆☆☆☆☆ 0 NABLE TO USE"		
<	SMART CAM	IERA VIEW	≏
Sı	mart Camera \	/iew	$\overline{\mathbf{O}}$
Ala	n.Yang		
Rat	ed: Guidance Suggested		
습	<u>ሰሰሰሰ 0</u>		
	ENABLE	TO USE	
	Account linki	ng required	

9.You need to link your Amazon account. Log in to the Amazon account with the same DVR as you. After the function is successful, Click **"Completed"**.

∠ Link Account ×     X     Done ■ a.account.amazon.com ∧A ♂	✓     Link Account     ×       Done     ● kills-store.amazon.com     ∧A     ⊘
amazon	amazon alexa
Sign-In Forgot password?	0
	Smart Camera View has been
Show password	successfully linked. What to do next:
Keep me signed in. Details	$\rightarrow$ Close this window to discover smart-home devices you can control with Alexa.
Sign-In	

10.Click "**DISCOVER DEVICES**" waiting for the application to search the camera.After finding and connecting the device,Click **Next**.



11.Select one of device, then Click **SET UP DVICE**, you can add IP camera to group or pass this step.

SETUP	< SETUP
Choose which connected device to set up first	Where is your camera?
You can delete connected devices any time from the device settings page	Add your device to a group so you can control devices together and say things like, "Alexa, turn on the Living Room".
	YOUR GROUPS
ch16	Bedroom
ch13	Family room
ch14	Kitchen
ch8	Living room
	COMMON GROUPS
ch9	Master bedroom
ch11	SKIP
	ADD TO GROUP

12.Repeat operation 11, add all cameras,then Click Done.

15:45	🗢 🔳
	Φ
	1
	(
	(P)
Add N	New Devices and
	Groups
Tap + to set	up Alexa devices, groups, smart lights and more.
(	Done

	< CAMERAS
i o	BEDROOM
· •	Window Device - Live view not supported
no & Alexa Cameras All Devices	ленсе - шие инен пос задрогкей
Hunches Finergy Dashboard	FAMILY ROOM
Danosira	Office Device - Live view not supported
Alexa, call for help" × Call the Emergency Helpline hands free with Guard Plus	KITCHEN
FIND OUT HOW	Top Device - Live view not supported
DUPS	LIVING ROOM
Add Group	back door Device - Live view not supported
Tap + to add a group and control multiple devices at once.	Outside Device - Live view not supported
VOUD CHART HOME KULLS	
! ♥ ◎ ( ☎ ) ☴	

13.All of added camera will display in **Devices** page.Click camera icon to check all cameras.

- 14.Hold on fire TV stick controller audio button,speak out command clearly.The command like this format: Show The XXX camera/Show XXX. XXX is the camera's name.e.g.If channel name is "Office", you can say "Show the Office camera".
- 15. Waiting for a while, there will be showing the real time streaming on TV monitoring for the office camera.
- 16.When you want to leave live image, Please say"Stop".
- 17.If channel are changing, it need to search again and add the camera.

### 5.5.6.2 Google

1.Enter your google account,Click **Bind** button to connect and bind your Google account so that you can play the streams on TV monitor.

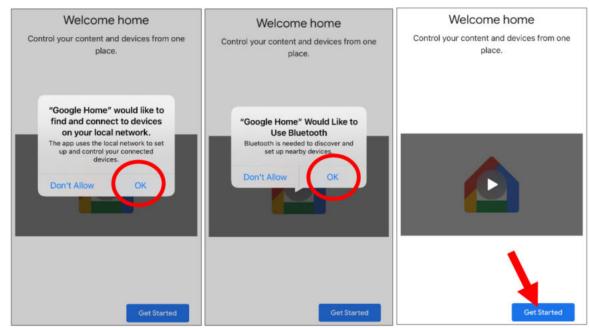
Setup Channel	Record Alarm Al Network Device System	05/07/2022 09:06:41	×
🔶 General	Amazon Google		
• DDNS	User The user here need to be the account of Google.		
Email			
	Screen stream V		
IP FILTER			
Platform Access			
	*		
		Default Apply	

2.Enter "**Channel–Live**" page,set a channel name so that easy to show this channel video on TV or monitoring.

Setup	nel Record Alam	n Al Ne	twork Device	9 System					Θ		
Channel	Live										
	Channel	Setup	Covert 🗸	Channel Name	Show Name 🗸	Date Format	Time Forma	Show Time 🐱	Refresh F	Rate 🛩	
Image Control	CH1			Camera	<b>~</b>	YYYY-MM-DD	24 Hour	×	60Hz		
	CH2										
Video Cover	CH3			Camera	<b>X</b>	YYYY-MM-DD	24 Hour	×	60Hz		
Motion.	CH4										
PIR	CH5			Camora	2	YYYY-MM-DD	24 Hour	2	50Hz		
	CH6			Camera	<b>N</b>	YYYY-MM-DD	24 Hour	<b>N</b>	60Hz		
Deterrence	CH7			Camera	Y	YYYY-MM-DD	24 Hour	×	60Hz		
Intelligent	CH6			Camera		YYYY-MM-DD	24 Hour	×	60Hz		

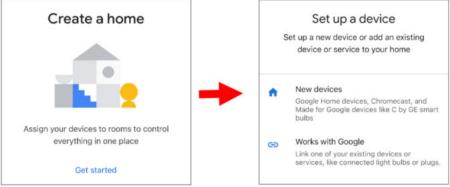
3.Connect ChormeCast to your TV monitor and power on.

4.Search from app store and install Google Home app to mobile phone, Click "OK" to allow application using your local network and Bluetooth, then Click "OK".



5.Login in your bonded google account .

6.Click "Get Started" create home, then Click "New devices".

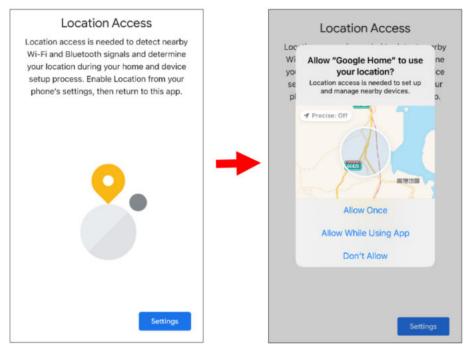


Enter home name and address, then Click "Next" .

	1
Home nickname & address	Yo lik
Your home nickname helps you identify your home. The address will be used for things like directions.	
	A
Home nickname	
Mike's Home	A
11 / 20	
Home address	C
	s
_	
Next	5

Home address
 Your home address will be used for things like directions.
 United States (US)
 Address line 1
 Address line 2
 City
 State
 ZIP code
 Skip

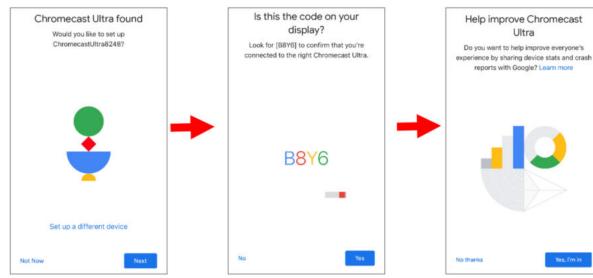
Allow application location access.



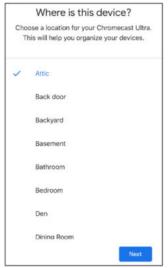
7. The application will try to searching your local network devices automatically, choose Chromecast. Make sure Chromecast is turn on, then continue the next step.

Looking for devices	What are you setting up?	Plug in your device
Looking for devices	Chromecast / Google TV	Make sure the device is nearby and connected to power. Wait around 45 seconds for the device to fully turn on.
	Camera	
	Display	
TYOT H	Doorbell	
	Q Light bulb	•
	C Lock	
	Ø Plug	
Cancel	Not now	Not now Next

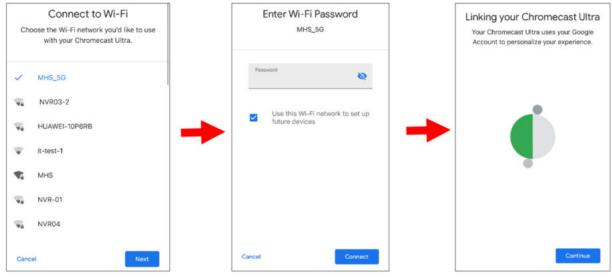
8.Your Chromecast was founded, Click Next to connect.Click Yes to confirm the codes.



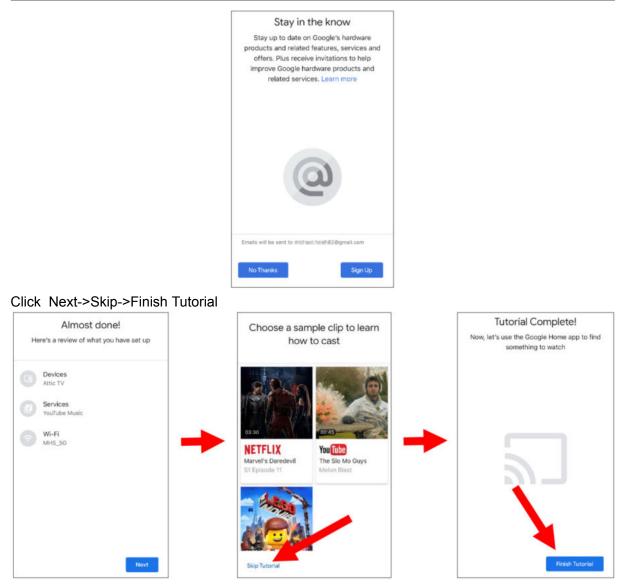
9.Select Chromecast position, then Click Next.



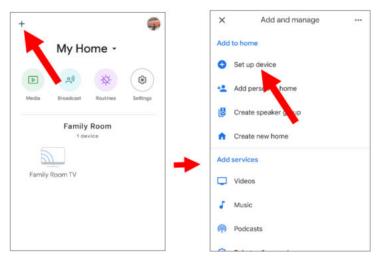
10.Select the Wi-Fi network for Chromecast and enter the Wi-Fi password for connection. Make sure your Wi-Fi is the same as the mobile phone, and is located in the same local network as DVR. Click Continue to the next step.



11.Click NO THANKS or Sign Up to log in to your Google account.



12.Now Chromecast is added to your google home page, Click left upper + icon to set up device.



Select "Works with Google", Click right upper search icon, then enter "smart camera view".

<		× Add devices	Q X Smart cam	nera view Q
	<b>C 1 1 1 1</b>	Add new	Add new	K
	Set up a device Set up a new device or add an existing	@Foscam Camera	Smart C	amera View
	device or service to your home	@Nodus Smart		
ŧ	New devices Add something new, like a Chromecast, Google Nest speaker or display, or a partner	Redgtech Automação	-	
	device, including those labeled "Seamless Setup with the Google Home App."	@TOLIGO (トリゴ)		
GÐ	Works with Google	(A) HHE Disasta Count		
	Link one of your existing devices or services, like connected light bulbs or plugs.	##Phoebe Smart		
		(e) #Age of Discovery IoT		

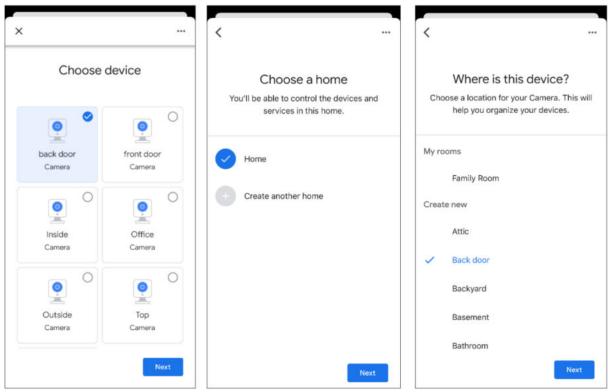
On search result Click "**smart camera view**".Need to log in your google account and allow google visit your devices.

Done 🕯 d2cb8.firebaseapp.com 🗚 🖒	Done ed2cb8.firebaseapp.com AA C.
0	۲
Sign in with your Google account. By signing in, you are authorizing Google to access your devices.	Sign in with your Google account. By signing in, you are authorizing Google to access your devices.
G Sign in with Google Note:In order to successfully cast.plother up your device and chromecast on the same at the	States in the second se
	Note:In order to successfully cast,please set up your device and chromecast on the same LAN.

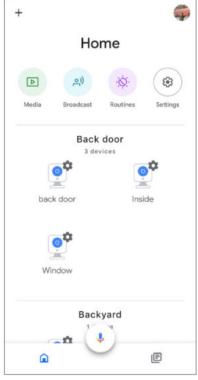
Waiting for a minute, the application will connect to Google home.



13. The camera available in DVR will now be displayed. Select one of the cameras and touch the next button. Select a home and location for the camera step by step



14.Repeat the operation of the 13th, add all the camera.



15.Search from the App Store and install the Google Assistant application to the mobile phone. 16.Run Google Assistant, log in to your Google account, this account is bound to the same account that is bound to DVR.

17.Now, you can use the text or voice command to transmit the camera to TV monitor, such as "show/play the \*\*\* camera on XXX TV". Among them, \*\*\* is the name of the camera, xxx is your TV name.

	Play	office c	amera or	n Mike TV
OK, str	reaming	Office of	n Mike T	v.
G Se	arch	Show b	ack door	Show
		0.0000	000 0001	

# 5.5.7 Platform Access

### 5.5.7.1 Onvif

Enable this function allow devices to be searched and add by other third-party platforms through the ONVIF protocol.

Setup Channel	Record Alarm Al Netwo	rk Device System				C	2021-05-12 07:13	3:09 PM	×
🔮 General	Onvif								
• DDNS			X						
🔮 Email	Enable	<b>×</b>							
♦ FTP	Authentication	Digest/WSSE	×						
IP FILTER	Protocol	HTTP							
	User Name	root							
Platform Access	Password	•••••		Show Password					
							Default	Apply	

Enable : Enable switch. If turn off this menu, the service will be failed.

Authentication:Login authentication mode,authentication methods including Digest\_sha256, Digest, Digest/WSSE, WSSE. Protocol:Connection protocol Username:login user name Password:login user password

Note: The stream connected by the back end through the ONVIF protocol are all the pictures of the first channel

## 5.6 Device

In this section, you can configure the internal HDD & Cloud storage function.

# 5.6.1 Disk

This menu allows you to check & configure the internal HDD(s). You need to format the HDD only at the first startup and if you replace a new HDD.

Setup	Channel	Record Ala	m Al	Network	Device	System						• 04/29/	2021 17:29:08
		Disk Disk	Group S	M.A.R.T									
Cloud			Seri	ial No.			Model	Firmware	Туре	Disk Group	State		Free/Total Tim
		1*	WKD	2N09C			ST8000VX004-2M1101	AV01	RW	Group 1	Normal	5845G/7452G	171Hour/218Ho
			WKD	2S6QD			ST8000VX004-2M1101	AV01	RW	Group1	Normal	7329G/7452G	215Hour/218Ho
		<b>⊡</b> 3N	N	AS1			NAS1		RW	Group1	FULL	0M/19G	0s/33Min
		Overwrite	Auto			ormat HDI							
		Record On ESA	TA Enable										
												Defa	ult Apply

**Format HDD**: Select the HDD you want to format and then Click **Format HDD**. To start formatting, you need to enter your user name and password and then Click **OK** to confirm to continue formatting.

**ADD NetHDD**: this function to add a network hard disk. After configured the network hard disk (NAS), you can connect NAS to record channel video or grab maps through the network connection. But AI Face Database can only be stored in the hard disk.

Setup Channel	Record Alarm	Al Net		ice	System					(C) 0	4/22/2021 14:41:45	×
	Disk Disk Gio	MF S.M.A	(G.)									
Cloud		Serial No			Model	Firmware	Type	Disk Group	State	Free/Total	Free/Total Tim	
		W1E4WC	AZ		ST2000VX000-1CU164	CV22	RW	Group1	FULL	0M/1863G	0s/81Hour	
		Y5SSSLZ	FS		TOSHIBA DT01ACA100	MS20A750	RW	Group2	Normal	867G/931G	151Hour/162Ho	ur
		WKD2Z			Add Net	HDD		×	Normal	5021G/7452G	219Hour/326Ho	kur
			Mounting typ	×8	NFS							
			Server IP		000.000.000							
			Directory Na	me								
			Disk size				GB					
					ħ							
					Test	Add NetHDD						
	Overwrite Auto		• Forma		Add NetHDD							
											Default App	sty

**Mounting type**: NFS and CIFS types,NFS needn't to enter NAS account and password,CIFS need to enter NAS account and password.

User Name: NAS account (NFS this option is invisible).

**Password**: NAS password (NFS this option is invisible).

Server IP: NAS IP address.

Directory Name: Enter the folder that wants to store data in NAS

Disk Size: Set up network disk size

Test: Test whether NAS connected.

Add NetHDD: Click to add NAS.

**Overwrite**: Use this option to overwrite the old recordings on the HDD when the HDD is full. For example, if you choose the option 7 days then only the last 7 days recordings are kept on the HDD. To prevent overwriting any old recordings, select **OFF**. If you have disabled this function, please check the HDD status regularly, to make sure the HDD is not full. Recording will be stopped if HDD is full.

**Record on ESATA**: This menu only displayed when your DVR is coming with an e-SATA port on the rear panel. It will allow to record the video to external e-SATA HDD to enhance your HDD capacity. If the e-SATA recording function is enabled, e-SATA backup function will be disabled.

If your DVR supports to install multiple HDDs, the edit icon appears in your system, you can Click it to edit the HDD as below:

	)	HDD	×
HOD ID	W1E4WCAZ		
Disk Type	Read Write Disk		
Disk Group	Record Disk Group 1		
		Cancel	

**Disk Type:** Read-write, read-only, and redundant.

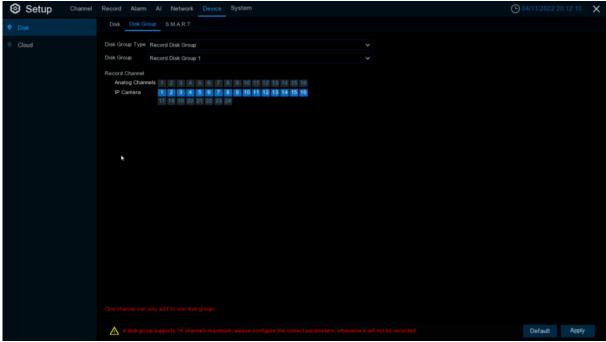
Read-write mode is the normal status for a HDD to save recording or search recording to play. To prevent important video data from being overwritten during cyclic recording, the HDD can be set as **Read-only** mode. New recording will be not able to save into this read-only HDD. You can still search recording from this read-only HDD to play.

A **Redundant** HDD can be used to automatically backup video footage on the recording (read-write) hard drive. When a redundant HDD is set, the system can be set to record cameras in parallel to both the recording hard drive and the redundant hard drive in case of hard drive failure.

Only some devices support NAS (Network Hard Drive). NAS is a dedicated data storage server. You can add a hard disk on a remote server to completely separate the storage device from the server, facilitating centralized data management. The figure below only shows the NAS function, and does not represent all the functions of the DVR.

### 5.6.1.1 Disk Group

If your DVR supports to install multiple HDDs, you can configure the HDD to be different groups. HDD groups allow you to balance recordings across multiple hard drives. For example, you can record channels 1~4 to one hard drive and 5~8 to a second hard drive. This can reduce the amount of wear on the hard drives and may extend the life of the hard drives.

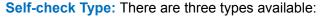


- 1. Use **Disk Group Type** to select the type of group to configure.
- 2. Use **Disk Group** to select the specific group within the selected group type.
- 3. Click the numbered boxes representing channels to record channels to HDDs in the selected group.
- 4. Click Apply to save.

#### 5.6.1.2 S.M.A.R.T

This function can be used to display technical information on the hard drive installed inside your DVR. You can also perform a test (there are three types available) to evaluate and detect potential drive errors.

Setup Channel	Record Alarm	Al Network Device Sy	stem						O4/22/2021 14:43:07	)
	Disk Disk Gro	SMART								
Cloud	Self-check State: 1	W1E4WCAZ Not detected 34	Ŷ	Self-check Ty						
	Whole Evaluation:			Check						
	S.M.A.R.T. Info									
		Attribute Name	Status	Flags	Value	Worst.	Threshold	Raw Value		
	0x1	Raw Read Error Rate						179095664		
	0x3	Spin Up Time								
	0x4	Start Stop Count						21544		
	0x5	Reallocated Sector Ct								
	0x7	Seek Error Rate						12907316745		
	0x9	Power On Hours						19578		
	Ска	Spin Retry Count		N 13		100				
	Ожо	Power Cycle Count								
	8dx0	End-to-End Error	Eail							
	Oxbb	Reported Uncorrect								
	Oxbo	Command Timeout						403733086334		
	Oxbd	High Fly Writes						25237		
	Oxbe	Airflow Temperature Cel						34 (54 108 38 31 0)		
	0xb1	G-Sense Error Rate								
	Oxc0	Power-Off Retract Count						14099		
	Oxc1	Load Cycle Count						21559		
	Oxc2	Temperature Celsius						34 (0 18 0 0 0)		
	0xc5	Current Pending Sector								



**Short:** This test verifies major components of the hard drive such as read/write heads, electronics and internal memory.

**Long:** This is a longer test that verifies the above as well as performing a surface scan to reveal problematic areas (if any) and forces bad sector relocation

**Conveyance:** This is a very quick test that verifies the mechanical parts of the hard drive are working.

**Note:** When performing the test, your DVR will continue to work normally. If you find a hard disk S.M.A.R.T error, you can continue to use the hard disk, but there is a risk of losing recorded data. It is recommended to replace the hard disk with a new one.

# 5.6.2 Cloud

Your DVR has the ability to upload snapshots to the cloud service via Dropbox which is a free service that allows you to easily store and share snapshots and always have them on hand when you need them.

Setup	Channel R	ecord Alarm Al	Network Device System	m	O 04/11/2022 20:13:00	
Disk		Cloud				
		Cloud Storage	M			
		Cloud Type	Google Drive			
		Cloud Status				
		Capacity	0%		0.008/0.008	
		Cloud Overwrite	Auto			
		Video Type	MP4			
		Channel	Folder Name			
		CH1	CH1			
		CH2	CH2			
			CH3			
		CH4	CH4			
			CH5			
		CH6	CH6			
			CH7			
		CH8	СН8			
			CH9			
			CH10			
			CH11			
			CH12			
			CH13			

Before activating the cloud function, we recommend that you create a Dropbox account using the same email address and password used for your DVR. Go to <u>www.dropbox.com</u>,input your name, email address and password, agree to the terms & conditions then Click the sign up button. **Cloud Storage**: Check to enable the function.

**Cloud Type**: To select cloud type, Dropbox and Google Drive are optional.

Cloud Status : To show cloud activation status

Capacity : To show the remaining space of cloud storage.

Drive Name: Enter the cloud storage name for your DVR.

Activate Cloud: Click to activate the function. After a short moment, you will see a message on-screen. An activation link has been sent to your email (the email address which you had set to receive email alerts in <u>5.5.3.1 Email</u>). Check your email then Click the link to activate. You will be taken to the Dropbox website. Click "Allow" to finalize the activation. Repeat these steps if you would like to enable cloud storage for the other cameras available.

## 5.7 System

Change general system information such as date, time and region, edit passwords and permissions, and more.

# 5.7.1 General

### 5.7.1.1 General

Setup Channel Record	Alarm Al Network I	Device System		O 04/11/2022 20:13:24	×
General     General	I Date and Time Output 0	Configuration			
Multi-User	Device Name	D7116GR-NS-T-E			
Maintenance	Device ID	000000			
🔹 IP Camera Maintain	Language	ENGLISH			
Information	Video Format	NTSC ¥			
• Internation	Menu Timeouts	OFF Y			
	Web Session Timeout (min)	1440	✓ Preview Session Timeout		
	Mode	XVR			
	Audio Input Type	Coaxial Audio 👻			
	Show wizard				
	×				
				Default Apply	

Device Name: Enter the DVR name. The name can contain letters and numbers.

**Device ID**: Enter the DVR device ID. The device ID is used to identify the DVR and can only be made up of numbers. For example, two DVRs are installed in the same location, one of which has a device ID of 000000, and the other has a device ID of 111111. When you want to operate a DVR with the remote control, both DVRs may receive signals from the controller and act at the same time. If you only want to control the DVR with ID 111111, you can use the remote control to enter the device ID 111111 in the login page for further operation.

Language: Select the language in which you want to display the system menu. Multiple languages are available.

Video Format: Choose a video format that suits your region.

**Menu Timeouts**: Click the drop-down menu and select the time to exit the main menu when the DVR is idle. You can also disable this function by selecting off (password protection will be temporarily disabled)

**Web Session Timeout**(**min**): Set the time to automatically log out of the web after a period of no operation when using the wed side to log in. The system default is 5minutes, adjustable from 5-1440minutes.

**Preview/Playback Session Timeout:**After enable, in the preview or playback, to avoid automatic logout of the web side.

**Mode:** XVR or DVR, XVR mode will allow you to add IP cameras to the DVR. If the mode is changed from XVR to DVR, all added IP cameras will be removed.

Audio Input Type: Select analog channels input audio type,select Base-band Audio, it's DVR hardware audio input interface.Select Coaxial Audio, it's analog camera audio input via BNS interface.

**Show Wizard**: Check this option if you want to display the startup wizard every time you open or restart a DVR.

#### 5.7.1.2 Date and Time

Setup Channel	Record Alarm Al Ne	twork Device	System					Θ		.50.50 X
	General Date and Time	Output Configuration								
Multi-User	Date and Time									
Maintenance	Date	04/15/2021		Ē	1					
P Camera Maintain	Time	17:50:50								
	Date Format	MM/DD/YY		~						
Information	Time Format	24Hour		~						
	Time Zone	GMT+08:0		Ŷ						
	NTP Settings									
	Enable NTP	<b>~</b>								
	Server Address	pool.ntp.org		~						
		Update N								
	DST Settings									
	Enable DST	~								
	Time Offset	1Hour								
	DST Mode	Week								
	Start Time	Mar.		The 2nd		Sun.	02:00:00			
	End Time	Nov,		The 1st		Sun.	02:00:00			
									Default	Apply

#### 5.7.1.2.1Date & Time

Date: Click to change the date.
Time: Click the time box to change the time.
Date Format: Select the preferred date format.
Time Format: Select the preferred time format.
Time Zone: Select the time zone associated with your region or city.

#### 5.7.1.2.2NTP

The NTP (Network Time Protocol) function allows your DVR to automatically sync its clock with a time server. This gives it the ability to constantly have an accurate time setting (your DVR will periodically sync automatically).

A REPORT OF A REPORT OF A		
ate and Time		
Date	04/15/2021	
Time	17:52:16	
Date Format	MM/DD/YYYY	~
Time Format	24Hour	~
Time Zone	GMT+08:00	~
TP Settings		
Enable NTP	<b>V</b>	
Server Address	pool.ntp.org	~

Check to enable the NTP, and select a Server Address, Click Update Now to manually sync the date & time.

Click Apply to save your settings.

When NTP function is enabled, system will update the system time at 00:07:50 per day, or every time when the system is starting up.

### 5.7.1.2.3DST

The DST (Daylight Saving Time) function allows you to select the amount of time that Daylight Saving has increased by in your particular time zone or region.

General Date and Time	Output Configuratio						
Date and Time							
Date	04/15/2021			1			
Time	17:53:04						
Date Format	MM/DD/YY	YY	~				
Time Format	24Hour		~				
Time Zone	GMT+08:00		~				
NTP Settings							
Enable NTP	<b>×</b>						
Server Address	pool.ntp.org		~				
	Update No	w					
DST Settings							
Enable DST	<b>~</b>						
Time Offset.	1Hour	~					
DST Mode	Week	~					
Start Time	Mar.	~	The 2nd	~	Sun.	~	02:00:00
End Time	Nov.	~	The 1st	~	Sun.	~	02:00:00

Enable DST: If Daylight Saving applies to your time zone or region, check this option to enable.

**Time Offset**: Select the amount of time that Daylight Saving has increased by in your time zone. This refers to the difference in minutes, between Coordinated Universal Time (UTC) and the local time.

Enable DST: You can select how Daylight Saving starts and ends:

**Week:** Select the month, a particular day and time when Daylight Saving starts and ends. For example, 2 a.m. on the first Sunday of a particular month.

Date: Select the start date (Click	icon),end date and time when Daylight Saving starts and
ends.	

Start Time / End Time: Set the start time and end time for Daylight Saving.

## 5.7.1.3 Output Configuration

This menu allows you to configure video output parameters. **Video Output**: To choose the output options:

**LIVE-OUT** is used to configure the main output parameters.

**SPOT-OUT** is an optional option to configure the VGA spot output parameters.

Setup Channel	Record Alarm Al Ne	stwork Device Syst	ern		<b>O</b> •		×
General	General Date and Time	Output Configuration		*			
Multi-User	Video Output	LIVE-OUT					
Maintenance	Seq Mode	Layout1					
IP Camera Maintain	SEQ Dwell Time						
	VGA/HDMI Resolution	4K(3840x2160)		Automatic recognition			
Information	Scale And Offset	Setup					
	Cursor Hidden Delay	58					
	Cursor Acceleration						
	Transparency	•					
						Default App	y

Video Output drop-down select LIVE-OUT mode.

**SEQ Mode**: Choose the number of video channels to be displayed when the DVR is in the wheel patrol mode.

**SEQ Dwell Time:** Enter in seconds the maximum length of time you would like to display a video channel in sequence mode before displaying the next video channel (300 seconds is the maximum).

**VGA/HDMI Resolution**: Select a display resolution that is suitable for your TV. 1920 x 1080 will suit most TVs. If your DVR supports 4K output resolution, you can select either 2K (2560 x 1440) or 4K (3840 x 2160) to take advantage of the higher resolution that your 4K TV provides.

Automatic recognition: Automatically recognize the resolution, the resolution of the display of the display when it is checked after checking, prompting the appropriate resolution.

Scale And Offset: The DVR supports to adjust the size & position of the display screen to match your monitor or TV. Click Setup button to adjust.

•5	kale ∴XOffset ∵YOffset

Scale: To adjust the size of the displayed screen by scale.

X Offset: To move the displayed screen to left or right.

Y Offset: To move the displayed screen to up or down. Click once or long press the left button of your mouse on the arrow to adjust the size and position, or you can scroll the wheel of the mouse to adjust. Click the right button of your mouse to exit, and Click Apply to save your modifications.

**Cursor Hidden Delay**: Click the drop-down menu to select the time your DVR will hide the mouse cursor when idle. You can also disable this by selecting "OFF" (password protection will be temporarily disabled).

**Cursor Acceleration**: To adjust the speed to move the mouse cursor.

**Transparency**: Click and hold the slider left or right to change how transparent the Menu Bar and Main Menu will appear on-screen. Adjust accordingly.

Setup Channel	Record Alarm Al	Network Device System			O4/13/2022 11:38:36
	General Date and Ti	me Output Configuration			
Multi-User	Video Output	SPOT-OUT			
Maintenance	CVBS SPOT	<b>V</b>			
IP Camera Maintain	View SetUp	Dynamic			
Information	Seq Mode	E Layout4			
momanon	SEQ Dwell Time				
	Full Screen				
		Spot Poll Setting			
				N.	
					Default Apply

Video Output drop-down menu to select **SPOT-OUT** mode.

CVBS SPOT: Click to enable CVBS interface to output video.

View Setup: select CVBS interface to set up display output modes, Dynamic and Static.

SEQ Mode: Select Dynamic mode to show the video channels on SEQ.

**SEQ Dwell Time:** Enter in seconds the maximum length of time you would like to display a video channel in sequence mode before displaying the next video channel (300 seconds is the maximum).

**Full Screen:** While trigger alarm to show this channel to full screen.

Spot Poll Setting: Select Dynamic mode to SEQ channels.

	0,001	on cotting	Spot Pol	II Setting	g				Х
				k					
CH1	~	CH2		🖌 СНЗ			🖌 СН4		
CH5	~	CH6		🗸 CH7			🗸 СН8		
🗸 СН9	~	CH10		<b>C</b> H11			CH12		
CH13	~	CH14		<mark> C</mark> H15			<mark> C</mark> H16		
	A	II	Clear	ок		Cancel			
Setup Channel	0.000	II Stwork Device System		OK		Cancel		O4/13/2022 13:00	a.57 🗙
Setup Channel	0.000	stwork Device System		OK		Cancel		O4/13/2022 13:0	a.57 🗙
	Record Alarm Al Ne General Date and Time	stwork Device System		ОК		Cancel		O 04/13/2022 13.0	¤57 X
General	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT	Dutput Configuration SPOT-CUT	m	ок		Cancel		O4/13/2022 13:0	0.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT	Dutput Configuration	*	OK Define 8EQ Setting		Cancel		O 04/13/2022 13:90	a.57 🗙
General     Multi-User     Maintenance	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT View SetUp	Device System Dutput Configuration SPOT-OUT Static	*					O4/13/2022 13.0	0.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT View SetUp View Mode	Dutput Configuration SPOT-OUT Static Wew Mode16	*	Define SEQ Setting		Cancel		<b>(0</b> 4/13/2022 13.0	a.57 🗙
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT View SetUp View Mode	Dutput Configuration SPOT-OUT Static Wew Mode16	* *	Define SEQ Setting				O 64/13/2022 13 0	9.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT View SetUp View Mode	Dutput Configuration SPOT-OUT Static Wew Mode16	* *	Define SEQ Setting	CH4 ~			O4/13/2022 13.0	a.57 🗙
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output Video SetUp View SetUp View Mode Full Screen	Static Ultra Model6 DEFINE SE	m V V EQUENCE SETT	Define SEQ Setting				O 4/13/2022 13.0	a.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output Video SetUp View SetUp View Mode Full Screen	Static Ultra Model6 DEFINE SE	m V V EQUENCE SETT	Define SEQ Setting		×		O4/13/2022 13.0	a.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT View SetUp View Mode Fut Screen	Static Uter Mode 16 CH2	m V EQUENCE SETT	Define SEQ Setting	CH4 v	×		O 4/13/2022 13.0	a.57 🗙
General     Multi-User     Maintenance     IP Camera Maintain	Record     Alarm     Al     Ne       General     Date and Time        Video Output         Video Output         Video SetUp         View SetUp         Full Screen         CH1         CH5	SPOT-OUT  Static  View Mode16  DEFINE SE  CH2  CH6  CH6	CUENCE SETT	Define SEQ Setting	CH4 ×	×		O4/13/2022 13 0	a.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record Alarm Al Ne General Date and Time Video Output CVBS SPOT View SetUp View Mode Fut Screen	Static Uter Mode 16 CH2	m V EQUENCE SETT	Define SEQ Setting	CH4 v	×		O 4/13/2022 13.0	n.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record     Alarm     Al     Ne       General     Date and Time        Video Output         Video Output         Video SetUp         View SetUp         Full Screen         CH1         CH5	SPOT-OUT  Static  View Mode16  DEFINE SE  CH2  CH6  CH6	CUENCE SETT	Define SEQ Setting	CH4 ×	×		O 4/13/2022 13.0	a.57 X
General     Multi-User     Maintenance     IP Camera Maintain	Record     Alarm     Al     Ne       General     Date and Time        Video Output         Video Output         Video SetUp         View SetUp         Full Screen         CH1         CH5	SPOT-OUT  Static  View Mode16  DEFINE SE  CH2  CH6  CH6	CUENCE SETT	Define SEQ Setting	CH4 ×	×		O 4/13/2022 13.0	a.57 🗙

View Mode: Select Static mode multi-window number. Define SEQ Setting: Select Static mode each window display.

	DEFINE SEQU	ENCE SETTING	×
CH1 V	CH2 Y	CH3 ~	СН4 🗸
CH5 🗸	CH6 ¥	СН7 🗸	СН8 🗸
CH9 V	CH10 ¥	CH11 ~	CH12 ¥
CH13 🗸	CH14 ¥	CH15 🗸	CH16 🗸
	Default	OK Cancel	

### 5.7.2 Multi-user

Setup Channel	Record Alarm	Al Network	Device System					O3/26/2022	
General	Multi-User								
		User Name	Level	User Enable	User Edit	Permission			
Maintenance		admin	ADMIN	Enable					
IP Camera Maintain		usert	USER1	Disable					
		user2	USER2	Disable					
Information		user3	USER3	Disable					
		user4	USER4	Disable					
		user5	USER5	Disable					
		user6	USER6	Disable					
		user7	USER7	Disable					
		user8	USER8	Disable					
		user9	USER9	Disable			*		
		user10	USER10	Disable					
		user11	USER11	Disable					
		user12	USER12	Disable					
		user13	USER13	Disable					
		user14	USER14	Disable					
		user15	USER15	Disable					
		user16	USER16	Disable					
		user17	USER17	Disable					
Setup Channel	Record Alarm	Al Network	Device System	n				Default	Apply
General	Multi-User								10015
General	Multi-User No.	User Name		User Enable	User Edit	Permission			10015
General Multi-User	Nulli-User No. 15	User Name user14	Level USER14	User Enable Disable		۲			
General Multi-User Maintenance	No. 15 16	User Name user14 user15	Level USER14 USER15	User Enable Disable Disable		0			
General Mutti-User Maintenance IP Camera Maintain	Nutti-Liser No. 15 16 17	User Name user14 user15 user16	Level USER14 USER15 USER16	User Enable Disable Disable Disable		0 0 0			
General Mutti-User Maintenance IP Camera Maintain	Muth-User No. 15 16 17 18	User Name user14 user15 user16 user17	Level USER14 USER15 USER16 USER17	User Enable Disable Disable Disable Disable		0 0 0			
General Mutti-User Maintenance IP Camera Maintain	Muth-User No. 15 16 17 18 19	User Name user14 user15 user16 user17 user18	Level USER14 USER15 USER16 USER17 USER18	User Enable Disable Disable Disable Disable Disable		0 0 0			
General Multi-User Maintenance IP Camera Maintain	Multi-User No. 15 16 17 18 19 20	User Name user14 user15 user16 user17 user18 user19	Level USER14 USER15 USER16 USER17 USER18 USER19	User Enable Disable Disable Disable Disable Disable Disable		0 0 0 0			
General Mutti-User Maintenance IP Camera Maintain	Multi-User No. 15 16 17 18 19 20 20 21	User Name user14 user15 user16 user16 user18 user19 user20	Level USER14 USER15 USER16 USER17 USER18 USER19 USER20	User Enable Disable Disable Disable Disable Disable Disable Disable		000000			
General Mutti-User Maintenance IP Camera Maintain	Multi-User No. 15 16 17 18 19 20	User Name user14 user15 user16 user17 user18 user19	Level USER14 USER15 USER16 USER17 USER18 USER19	User Enable Disable Disable Disable Disable Disable Disable		© © © © © ©			
General Multi-User Maintenance IP Camera Maintain	Multi-User No. 15 16 17 18 19 20 21 21 22	User Name user14 user15 user16 user17 user18 user19 user20 user21	Level USER14 USER15 USER16 USER17 USER19 USER20 USER21	User Enable Disable Disable Disable Disable Disable Disable Disable Disable		0 0 0 0 0 0 0 0 0			
General Mutti-User Maintenance IP Camera Maintain	Mulli User No. 15 16 17 18 19 20 21 21 22 23	User Name user14 user15 user16 user17 user18 user19 user20 user21 user22	Level USER14 USER15 USER17 USER17 USER19 USER20 USER21 USER22	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		0 0 0 0 0 0 0 0 0 0 0	,		
General Multi-User Maintenance IP Camera Maintain	Mulli-User No. 15 16 17 18 19 20 21 22 23 24	User Name user14 user15 user16 user17 user18 user19 user20 user21 user22 user23	Level USER14 USER15 USER17 USER17 USER19 USER20 USER21 USER22 USER23	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		
General Multi-User Maintenance IP Camera Maintain	Mulli-User No. 15 16 17 18 19 20 21 20 21 22 23 24 24 25	User Name user14 user15 user16 user17 user18 user20 user20 user21 user22 user23 user23 user24	Level USER14 USER15 USER16 USER17 USER19 USER20 USER21 USER22 USER23 USER23	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		0 0 0 0 0 0 0 0 0 0 0	,		
General Multi-User Maintenance IP Camera Maintain	Mulli-User No. 15 16 17 18 19 20 21 21 22 23 24 25 26 28	User Name user14 user15 user16 user17 user18 user20 user20 user21 user22 user23 user24 user25	Level USER14 USER15 USER16 USER17 USER19 USER20 USER21 USER22 USER23 USER24 USER25	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		
General Multi-User Maintenance IP Camera Maintain	Mulli User No. 15 16 17 18 19 20 21 21 22 23 24 25 26 26 26 27	User Name user14 user15 user16 user17 user18 user19 user20 user21 user22 user23 user23 user24 user25 user25	Level USER14 USER15 USER16 USER17 USER19 USER20 USER21 USER22 USER23 USER24 USER25 USER26	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		
General Multi-User Maintenance IP Camera Maintain	Mulli User No. 15 16 17 18 19 20 21 22 23 24 25 26 25 26 27 28	User Name user14 user15 user16 user17 user18 user19 user20 user21 user22 user23 user24 user25 user25 user26 user27	Level USER14 USER15 USER16 USER17 USER18 USER20 USER21 USER22 USER22 USER23 USER24 USER25 USER25 USER27	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		
General Multi-User Maintenance	Mulli User No. 15 16 17 18 19 20 21 22 23 24 25 26 26 27 28 27 28 29	User Name user14 user15 user16 user17 user18 user19 user20 user21 user21 user23 user24 user25 user25 user26 user27 user27	Level USER14 USER15 USER16 USER17 USER18 USER20 USER20 USER21 USER22 USER23 USER23 USER24 USER25 USER26 USER27 USER27 USER28	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		1015
General Multi-User Maintenance IP Camera Maintain	Mulli User No. 15 16 17 18 10 20 21 22 23 24 25 26 26 26 27 28 29 29 30	User Name user14 user15 user16 user17 user18 user20 user20 user21 user22 user23 user24 user25 user25 user26 user27 user28 user28	Level USER14 USER15 USER16 USER17 USER18 USER20 USER20 USER21 USER22 USER23 USER23 USER24 USER25 USER26 USER27 USER26 USER29	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		
General Multi-User Maintenance IP Camera Maintain	Mulli User No. 15 16 17 18 19 20 21 20 21 22 23 24 26 26 26 26 26 26 26 27 28 29 30 30 31	User Name user14 user15 user16 user17 user18 user20 user21 user22 user23 user24 user25 user25 user26 user27 user28 user29 user31	Level USER14 USER15 USER16 USER17 USER20 USER21 USER22 USER23 USER24 USER25 USER25 USER26 USER26 USER27 USER28 USER29 USER29 USER30 USER31	User Enable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable Disable		000000000000000000000000000000000000000	,		

This menu allows you to configure the user name, password and user permission.

The system supports the following account types:

- **ADMIN System Administrator**: The administrator has full control of the system, and can change both administrator and user passwords and enable/disable password protection.( 8.2.2 and above version won't be allowed to change administrator password and name.)
- USER Normal User: Users only have access to live viewing, search, playback, and other functions. You may set up multiple user accounts with varying levels of access to the system. (8.2.2 version and above support maximum31 normal users account.

Default User Default account, the user which default to login when DVR start up.

#### 5.7.2.1 Changing Password and single user number

To change the password for the administrator or user accounts, Click the User Edit icon S. The password has to be a minimum of 8 characters and can contain a mixture of numbers and letters. Enter your new password again to confirm, and then Click **Save** to save your new password. You will be required to input your old password to authenticate.

1	User Edit		×		Authe	entication	×
Level	ADMIN						
User Name				User			
Password Strength				User			
Password				Password	1	Show Password	
Confirm					*		
Unlock Pattern Enable	Enable	<ul> <li>Draw</li> </ul>					
Number of single user logins							
	Defaul		Cancel			Authenticate Ci	ancel

#### 5.7.2.2 Add New Users

No.	User Name	Level	User Enable	User Edit	Permission
	admin	ADMIN	Enable		
	user1	USER1	Enable		
	user2	USER2	Disable		
	user3	USER3	Disable		
	user4	USER4	Disable		۲
	user5	USER5	Disable		۲
	user6	USER6	Disable		٢

1. Select one of the user accounts that is currently disabled, Click the User Edit icon  $\boxed{\mathbb{P}}$ .

	User Edit			×
Level	USER1			
User Enable	Enable	~		
User Name	user1			
Password Strength			Medium	
Password	•••••	Þ		
Confirm	•••••	Þ		•
Number of single user logins	3			<b>τ</b>
		Default	Save	Cancel

- 2. Select Enable from the drop-down next to User Enable.
- 3. Click the field next to User Name to change the user name for the account.
- 4. Select Enable from the drop-down next to Password Enable.
- 5. Click the field next to **Password** to enter the desired password.
- 6. Click the field next to **Confirm** to reenter the password.
- 7. Click Number of single user logins to set single user logins.
- 8. Click Save. You will be required to input your Admin password to authenticate.

#### 5.7.2.3 Setting User Permissions

The administrator account is the only account that has full control of all system functions. You can enable or disable access to certain menus and functions of each user account.

Setup Channel	Record Alarm	Al Network	Device System	~			<b>(</b> ) 05/08/	2021 11:17:28
General	Multi-User							
		User Name	Level	User Enable	User Edit	Permission		
Maintenance		admin	ADMIN	Enable		-		
IP Camera Maintain		usert	USER1	Enable		0		
formation		user2	USER2	Disable		۲		
normaiion		user3	USER3	Disable	P	۲		
		user4	USER4	Disable		۲		
		user5	USER5	Disable	<b></b>	۲		
		user6	USER6	Disable	E.	۲		
	Default User adr	min 🔪	*					
							Defa	ult Apply

1. Click the edit icon 🙆 under Permission tab

Setup Channel	Record Alarm	Al Network Device	System				O4(11/2022 20:14:14	×
General	Multi-User							
			Use	r Permission		×		
Maintenance		User Name	usert					
IP Camera Maintain		Log Search	Parameter	Auto Reboot	Manual Record			
Information	3	Disk	Remote Login	SEQ Control	Manual Capture			
<ul> <li>momation</li> </ul>		Audio	Database Managem	ent License Plate Manager	ment			
		Backup						
		Analog Channels 1		9 10 11 12 13 14 15 16 9 10 11 12 13 14 15 16				
		Live		2 10 11 12 12 14 12 10				
		🖌 Analog Channels 🚺	2 3 4 5 6 7 8	9 10 11 12 13 14 15 16				
		P Camera	2 3 4 5 6 7 8	9 10 11 12 13 14 15 16				
		Playback						
				9 10 11 12 13 14 15 16 9 10 11 12 13 14 15 16				
*		PTZ						
		Analog Channels 1		9 10 11 12 13 14 15 16				
		P Camera	2 3 4 5 6 7 8	9 10 11 12 13 14 15 16				
	1R Default User ad			All Clear	Save Cancel			
							Default Apply	

Check the boxes next to any system menus or capabilities you would like the user to access. Click All to check all boxes. Click Clear to check none of the boxes. There is the following permissions to choose from:

- □ Log search: To see all of logs;
- Parameter: To set up all of pages parameters;
- □ **Maintenance**: Operation System version update, load to default settings, device reboot, device shut down and etc.

- Manual Record : Manually start the video and stop the video manually.
- Disk:Control and mange HDD and U-disk;
- Remote Login: Whether have permission to visit DVR remotely.
- SEQ Control: View the real -time preview of all channels.
- □ Manual capture : Manually start the grabbing and can stop the video manually.
- Audio : Control channel audio and intercom.
- Database Management: Whether it can be operated on the AI database
- License Plate Management : Whether it can be operated on the License Plate database
- **Backup**: After the enable box " $\sqrt{}$ " in front of "backup" and select-able channels, ordinary users have the permissions of the selected channel video.
- □ **Live**: After the enable box " $\sqrt{}$ " in front of "Preview" and the passage that can be viewed, the ordinary users have the permissions of the real -time preview of the selected channel.
- □ **Playback**: After the enable box " $\sqrt{}$ " in front of "video playback" and the selected channel that can be viewed, ordinary users have the permissions of the selected channel video.
- □ **PTZ**: After the enable box " $\sqrt{}$ " in front of "PTZ" and select-able channels, ordinary users have the permissions of PTZ operations.
- 2. Click Save button to apply your modifications.

## 5.7.3 Maintenance

In this section, you will be able to search & view the system log, load default settings, upgrade the system, export & import system parameters and manager system auto reboot.

Setup Channel	Record Alarm Al Network Device	System				O4/07/2022 14:24:2	M X
General	Log Load Default Reset Settings Upgrad	le Parameter Management	Auto Reboot Developer Mode				
<ul> <li>Multi-User</li> </ul>	Start Date 04/07/2022	🛗 Start Time	00:00:00				
Maintenance	End Date 04/07/2022	🛗 End Time	23:59:59				
IP Camera Maintain	Log Type All			Search			
<ul> <li>IP Camera Maintain</li> <li>Information</li> </ul>	Channel Type	TIME		Access Source	RECORD	Playback	
			x				
						Bac	kup

### 5.7.3.1 Log

The system *log* shows you important system events, such as motion alarms and system warnings. You can easily create a backup file of the system *log* for a set time period to a USB flash drive.

Setup Chann	el Record Alam	n Al Network Dev	vice System				O4/07/2022 14:29:31	)
General	Log Load D	efault Reset Settings	Upgrade Parameter Management Auto I	Reboot Developer Mode				
Multi-User	Start Date 04/07	//2022	Start Time 00:00:	00				
	End Date 04/07	//2022	🛗 End Time 23:59.5	59				
	Log Type All				Search			
IP Camera Maintain	Channel	Туре	TIME		Access Source	RECORD	Playback	
Information	CH5	Alarm	04/07/2022 05:49:11	PD Start	•	Yes		
	CH5	Human & Vehicle	[04/07/2022] 05:48:59 - 05:49:01	Human		Yes	E	
	CH5	Alarm	04/07/2022 05:49:38	PD End				
	CH5	Alarm	04/07/2022 07:12:39	PD Start		Yes		
		Human & Vehicle	[04/07/2022] 07:12:25 - 07:12:28	Human		Yes		
	CH5	Human & Vehicle	[04/07/2022] 07:12:27 - 07:12:29	Human		Yes		
	CH5	Alarm	04/07/2022 07:13:10	PD End		Yes		
	CH5	Alarm	04/07/2022 07:15:17	PD Start		Yes	E	
	CH5	Human & Vehicle	[04/07/2022] 07:15:03 - 07:15:06	Human		Yes	Þ	
	CH5	Alarm	04/07/2022 07:15:44	PD End		Yes	Ŀ	
		Alarm	04/07/2022 07:24:05	Motion End				
	CH5	Alarm	04/07/2022 07:24:20	Motion Start		Yes	F	
		Human & Vehicle	[04/07/2022] 07:24:07 - 07:24:09	Human		Yes		
	CH5	Alarm	04/07/2022 07:24:22	PD Start		Yes	E .	
	CH5	Alarm	04/07/2022 07:24:48	Motion End		Yes		
							Backu	

#### Log search and backup:

- 1. Click the field next to **Start Date & Start Time** to choose the starting date & time for your search from the on-screen calendar.
- 2. Click the field next to End Date & End Time to choose the end date & time for your search from the on-screen calendar.
- 3. Select the type of events you would like to search for from the drop-down next to Log Type, or select All to see the entire system log for the selected time period.
- system: system setting, reboot, auto reboot, upgrade, time modify and NTP.

**configuration**: IPC preview control, Privacy areas settings, recording mode settings, recording plan settings, main code flow settings, network settings, sub -code stream settings, email settings, color settings, mobile detection settings, hard disk settings, multi -user settings, NTP settings, image control, mobile, mobile Code flow settings, RTSP settings, IP filter settings, system restoration of factory settings, audio settings, video blocking alarm settings, export settings and import settings.

**alarm**: Motion start,Motion end,IO start, IO end,PID start,PID end,LCD start,LCD end,SOD start,SOD end,PD&VD start,PD&VD end,FD start,FD end,CC start,CC end,CD start,CD end,QD start,QD end,Sound Detection start,Sound Detection end.

·account: Login, logout and switch users.

 $\cdot \textbf{recording}: \texttt{search}, \texttt{playback} \texttt{ and records backup}.$ 

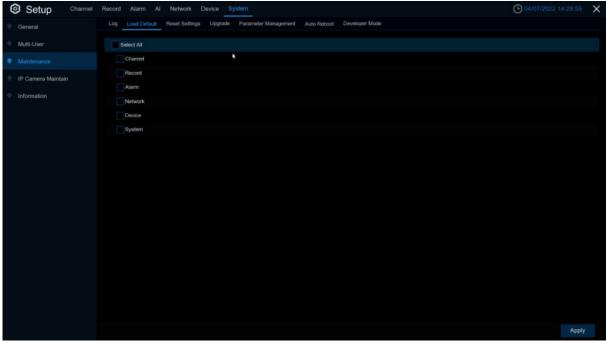
•storage: Format HDD,HDD Full and HDD error.

•network : Network down, Network up, Network error and Network mode changes

- 4. Search
- 5. Browse the system log from the time period :
- o Click Playback to playback the event.
- o Using menu right down K K / D D button to switch different pages.
- 6. Click Backup to create system log backup.Make sure your u disk connect to DVR USB port.
- 7. Show backup drive menu, lead to backup folder and Click OK button to start.

#### 5.7.3.2 Load Default

Reset the DVR settings to its out-of-box state. You can choose to reset all settings at once, or just settings on specific menus. Restoring default settings will not delete recordings and snapshots saved to the hard drive.



Check the items you want restore, or check **Select All** to choose all items. Click **Apply** to load default settings of your chosen items.

## 5.7.3.3 Reset Settings

Setup Channel	Record Alarm Al Network Device System	O 03/26/2022 15:37:49	×
🔶 General	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode		
Multi-User	When you press and hold down RESET, factory settings can be forcibly restored. Select parameters you want to restore.		
Maintenance	Coad Default		
🔶 IP Camera Maintain	Format HDD		
• Information			
		Apply	

Format HDD: Set up to format HDD when make setting to default.

#### 5.7.3.4 Upgrade

# 5.7.3.4.1 U disk file upgrade

General	Log Load Default Reset Se	ttings Upgrade Parameter Management Auto Reboot	Developer Mode		
Multi-User		Update		×	
	Driver List:			12 × • 🖡 🛍	
	W USB1-1	Name		Last Modify	
IP Camera Maintain	Online U	m m H		12/17/2021 14:25:42	
Information	1	音頻		12/17/2021 14:25:46	
		ash_history	1.341KB	03/24/2022 08:00:12	
		= 111.bin	25.727KB	03/23/2022 15:23:54	
		BOOTEX LOG	1.223KB	01/12/2022 15:46:14	
		DEVICE_Settings	29.173KB	03/17/2022 06:56:06	
		F N73XX_V220322V220316V220316V220401V220	93.789MB	04/01/2022 19:33:26	
		E N7508-TC_V220124V220110V220124V220316V	69.944MB	03/16/2022 17:17:36	
		F N7XXX_V220328V220110V220128V220401V221	68.720MB	04/01/2022 21:51:28	
		VMS Pro_P2P_2.6.95_2022_01_14.dmg	105.675MB	01/19/2022 16:00:16	
		Jump_rfs_rk_buildroot	407.227KB	03/11/2022 13:57:52	
		≣ ipv6addr.bd	61.000B	03/22/2022 01:55:36	
		≡ ipv6gateway.txt	73.000B	03/22/2022 01:55:36	
		≡ resolv	63.000B	03/11/2022 07:21:10	
		resolv.conf	63.000B	03/21/2022 00:50:58	
		Ecpdump_RK3568.zlp Location: usb1-1	2.178MB	03/24/2022 10:10:34	
	Remain:/Total: 21.594GB/28.856GB	Selected File: N7XXX_V220328V220110V220128V220401V	220401V220401V22	0328V220328_W.sw 🛛 🗲 🕨	
	Format	Refresh finished !		OK Cancel	

- 1. Copy the firmware file (.sw file) to your USB drive, and insert the USB flash drive into the DVR's USB port.
- 2. Click Select File button to choose the firmware file in your USB flash drive, then Click OK.

 Click Upgrade button to start system upgrade. The system upgrade will last around 5-10 minutes, please do NOT power off the DVR or remove the USB from DVR during firmware upgrade.

### 5.7.3.4.2 Online upgrade

Setup Channel	Record Alarm Al Network Device System	04/07/2022 14:27:56	×
🔮 General	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode		
Multi-User	Select File		
Maintenance			
IP Camera Maintain	Online Upgrade		
Information	Automatic Detection     Detect Upgrade		
	Upgrade		
	There is a newer firmware available to upgrade, would you like to upgrade now?		
		Apply	

After uploading the upgrade firmware to the server path completely.Click **Detect** button to detect online upgrade file manually. Turn on **Automatic Detection**---Detect the upgrade file automatically.

(1) When turn on **automatic detection**, the NVR will check whether it's maintenance reboot while power on. If so,pass to detect there is new firmware package. (Judgment method: The system current time is 30 minute later than the auto reboot maintenance time setting.) If it's not reboot because maintenance, the detection will be running after 5minute later. While there is new firmware,the upgrade bar will show "There are new firmware available", the user Click this channel upgrade, it'll download firmware.

(2) Turn on **Automatic Detection**, it'll detect whether there are new firmware periodicity. If so, the upgrade page will show "There are new firmware available", the user Click this channel upgrade, it'll download firmware. The detection cycle is the random time after reboot period time 18~23 hours (including the maintenance, the unit is second). This cycle is from the device power on randomly and won't change this detect cycle until the device power off.

(3) During the system running, the user can Click **Detect** to check whether there is new firmware. After clicking, it'll be a box prompt is detecting, after the detection is complete, the status bar display the result.Note: Detect manually won't influence the detection cycle.

(4) Automatic Detection ---From turn on to turn off, the detection cycle will stop.

Automatic Detection ---From turn off to turn on, the detection cycle will start. The detection cycle is randomly in this time point 18~23 hours later. After turning on the button, the detection will start 1 minute delay. Note: If during this minute, the user turn off the menu again, it'll stop counting and won't detection any more until turn on this function again.

Note: The neutral program does not currently support FTP online upgrades

#### 5.7.3.5 Parameter Management

You can *export* the main menu settings you have configured to a USB flash drive, or import an exported setting file from USB flash drive to the DVR.

Setup Channel Record Alarm Al Network Device System	O 04/07/2022 14:30:26 ×
General     Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode	
Multi-User Save Settings Load Settings	
Maintenance	
IP Camera Maintain	
♦ Information	

**Save Settings**: Click to save the DVR current system settings to the USB device. You will be required to input the Admin password to authenticate.

Load Settings: Once you have created a system settings export, you can import the settings on another DVR. Click Load Settings button to navigate to the system settings file you want to import from your USB flash driver. You will be required to input the Admin password to authenticate.

#### 5.7.3.5 Maintenance

This menu allows the system to auto reboot the DVR regularly. It is recommended to leave this function enabled, as it maintains the operational integrity of your DVR.

Setup Channel	Record Alarm Al Network Device System	O4/07/2022:14:30:41
🔮 General	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot De	veloper Mode
Multi-User	Auto Reboot 🛛 🔽	
	Time Every Week.	
IP Camera Maintain	Sun. 🗸	
Information	00:00	
		Default Apply

Auto Reboot: Check to enable. Time: You can set the DVR to reboot by day, week or month.

#### 5.7.3.6 Developer Mode

Only some devices support. This menu can save the serial port log to the USB flash disk.

Setup Channel	Record Alarm Al Network Davice System	<b>(</b> ) 03/26/2022 15:38:02	×
🔶 General	Log Load Default Reset Settings Upgrade Parameter Management Auto Reboot Developer Mode		
Multi-User	Teinet 💟		
Maintenance	Debug information Output To Terminal		
IP Camera Maintain	Shat Off Output To Terminal Output To Disk		
Information	Export debug information Delete debug information		

Telnet: Enable it, can use Telnet to login device Debug information: Select log save position Shut Off: Don't save serial logs Output To Terminal: Output serial logs to terminal Output To Disk: Save serial logs to HDD. Export debug information: Export serial logs to u disk drive. Delete debug information: Delete collect serial logs.

# 5.7.4 IP Camera Maintain

This menu allows you to upgrade the IP camera's firmware and restore default settings of IP camera.

### 5.7.4.1Upgrade IP Camera

Multi-User       Channel       IP Address       State       Software Version       Upgrade         Maintenance       IP CH1       172 20 56 35       On-line       V6 21 5.2,210624         IP Camera Maintain       IP CH2       172 20 56 29       On-line       V26 34 8.2,2,220402         Informiation       IP CH6       172 20 56 55       On-line       V25 11 8.2,2,220124         Informiation       IP CH6       172 20 56 47       On-line       V18 25 8.2,2,22023         IP CH8       172 20 64 45       On-line       V441 5.2,200301	General	Upgrade Load Defa	ault Reboot IPC	Parameter Management	Format IPC			
IP CH2       172 20 56 29       On-line       V26 34 8 2.2,220402         IP Ch45       172 20 56 55       On-line       V25 11 8 2.2,220124         Information       IP CH6       172 20 56 54       On-line       V21 45 8 2.2,220219         IP CH6       172 20 56 54       On-line       V18 25 8 2.2,22023         IP CH8       172 20 64 45       On-line       V18 25 8 2.2,220301	Multi-User		Channel	IP Address	State	Software Version	Upgrade	
IP Camera Maintain         IP CH5         172.20.56.55         On-line         V25.11.8.2.2.202124           Information         IP CH6         172.20.56.54         On-line         V21.45.8.2.2.202019           IP CH7         172.20.56.47         On-line         V18.25.8.2.2.20203           IP CH8         172.20.64.45         On-line         V14.15.2.200301	Maintenance		IP CH1	172.20.56.35	On-line	V6.21.5.2_210624		
Information       IP CH5       172 20 56 55       On-line       V25 11 8 22,220124         Information       IP CH6       172 20 56 54       On-line       V21 45 8 22,220219         IP CH7       172 20 56 47       On-line       V18 25 8 22,220223         IP CH8       172 20 64 45       On-line       V4 41 5 2,200301			IP CH2	172.20.56.29	On-line	V26.34.8.2.2_220402		
IP CH7         172 20 56 47         On-line         V18.25 8 2 2,220223           IP CH8         172 20 64.45         On-line         V4.41.5 2,200301			IP CH5		On-line	V25.11.8.2.2_220124		
P CH8 172.20.64.45 On-line V4.41.5.2_200301	Information		IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219		
				172 20 56 47	On-line	V18,25.8.2.2_220223		
			IP CH8	172 20 64.45	On-line	V4.41.5.2_200301		
						4 Þ		
						d Þ		
						d Þ		
						d Þ		
						4 Þ		
						4 Þ		
						4 Þ		
						4 >		

- 1. Choose one of the IP cameras you want to upgrade firmware
- 2. Click Select File select the update file from your USB flash drive, then Click OK.
- Click IPC Upgrade button to start upgrading. You will be required to input the Admin password to authenticate. Please do NOT power off the DVR and IP camera or remove the USB during the upgrading.

Auto Upgrade: Some IPC supports upgrading using the upgrade package in FTP. You only need to open FTP in the IE menu of IPC. Then upload the upgrade package to upgrade IPC FTP on DVR. Select enable / disable to enable or disable the feature.

Automatic Detection: Automatically detect upgrades. Check whether there is the latest upgrade package in the FTP server at regular intervals and when starting up. If yes, you will be prompted whether to upgrade please view <u>5.7.3.4.2 Onlie Upgrade</u>). If yes, you will be prompted whether to upgrade Enable/Disable this function.

Detect: Manually check for the latest upgrade package.

**Upgrade**: If the latest upgrade package is detected, Click to upgrade.

Setup Channel	Ungrade		arameter Management Fo	emat IDC		
General	Upgrade Load Defau	III Reboot IPC PI	arameter Management Po	rmat IPC		
Multi-User		Channel	IP Address	State	Software Version	
Maintenance		IP CH1	172 20 56 35	On-line	V6 21.5.2_210624	
		IP CH2	172 20 56 29	On-line	V26.34.8.2.2_220402	
		IP CH3		On-line	V1.0.0.B0001701010103_220331	
Information		IP CH4	172.20.56.38	On-line	V1.0.0.B0001701010103_220331	
			172.20.56.55	On-line	V25.11.8.2.2_220124	
		IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219	
		IP CH7	172.20.56.47	On-line	V18.25.8.2.2_220223	
		IP CH8	172.20.64.45	On-line	V4.41.5.2_200301	
	Load Default					

### 5.7.4.2 Load Default Settings for IP Camera

- 1. Choose the IP cameras you want to restore.
- 2. Click Load Default to restore settings. You will be required to input the Admin password to authenticate.

Maintenance         IP CH1         172 20 56 35         On-line         V6 21 5 2,210624           IP CH2         172 20 56 29         On-line         V28 34 & 2 2,220402	Maintenance       IP CH1       172 20 56 35       On-line       V6 21 5.2,210624         IP Classifieria Maintain       IP CH2       172 20 56 29       On-line       V26 34.8.2.2,220402         IP Classifieria Maintain       IP CH3       172 20 56 33       On-line       V1 0.0 B000170101013_220331         IP CH4       172 20 56 38       On-line       V1 0.0 B000170101010_3220331         IP CH5       172 20 56 55       On-line       V25 11 8.2 2,220124         IP CH6       172 20 56 54       On-line       V3 48 8.2 2,220219         IP CH7       172 20 66 45       On-line       V1 4.1 5.2 200301	aintenance       IP CH1       172 20 56 35       On-line       VB 21 5 2,210624         Comora Muintain       IP CH2       172 20 56 39       On-line       VB 28 38, 8, 22,220402         Comora Muintain       IP CH3       172 20 56 39       On-line       VI 0 0 B0001701010103_220331         formation       IP CH4       172 20 56 55       On-line       VI 10 0 B0001701010103_220331         IP CH4       172 20 56 55       On-line       V25 11 8 2 2,220124         IP CH6       172 20 56 47       On-line       V21 45 8 2 2,220219         IP CH8       172 20 66 47       On-line       V18 25 8 2 2,22023         IP CH8       172 20 66 45       On-line       V4 41 5 2,200301	General	Upgrade Load Default	Reboot IPC F	arameter Management	Format IPC		
IP Clatteria Miantan       IP CH2       172 20 56 29       On-line       V28 34 8 2 2 20402         Information       IP CH3       172 20 56 33       On-line       V1 0 0 B000170101013_220331         Information       IP CH4       172 20 56 55       On-line       V1 0.0 B000170101013_220331         Information       IP CH6       172 20 56 55       On-line       V21 45 8.2 2_202124         Information       IP CH6       172 20 56 54       On-line       V21 45 8.2 2_20219         Information       IP CH8       172 20 66 47       On-line       V18 25 8 2 2_20223         IP CH8       172 20 64 45       On-line       V4 41 5 2_200301	IP Clanera Mantlan       IP CH2       172 20 56 29       On-line       V26 34 8.2 2,220402         IP Chanera Mantlan       IP CH3       172 20 56 33       On-line       V1 0.0 B000170101010_2020331         Information       IP CH4       172 20 56 38       On-line       V1 0.0 B000170101010_2020331         IP CH5       172 20 56 55       On-line       V21 45 8.2 2,220124         IP CH6       172 20 56 54       On-line       V21 45 8.2 2,220219         IP CH8       172 20 64 45       On-line       V4 41 5.2,200301	Cameria Maintan       IP CH2       172 20 56 29       On-line       V26.34.8.2.2.220402         IP CH3       172 20 56 33       On-line       V1.0.0 B000170101013_220331         Iformation       IP CH4       172 20 56 38       On-line       V1.0.0 B0001701010103_220331         IP CH5       172 20 56 55       On-line       V25.11 8.2.2.220124         IP CH6       172 20 56 54       On-line       V21.45 8.2.2.20219         IP CH8       172 20 66.45       On-line       V18.25 8.2.2.20203         IP CH8       172 20 66.45       On-line       V4.41.5.2_200301	Multi-User		Channel	IP Address	State	Software Version	
IP Clamerá Maintain       IP CH2       172.20.56.29       On-line       V26.34.8.2.2.20402         Information       IP CH3       172.20.56.33       On-line       V1 0.0 B00017010103_220331         Information       IP CH5       172.20.56.55       On-line       V1 0.0 B0001701010103_220331         Information       IP CH6       172.20.56.54       On-line       V21.45.8.2.20174         Information       IP CH6       172.20.56.54       On-line       V21.45.8.2.2.20219         Information       IP CH6       172.20.56.47       On-line       V18.25.8.2.2.20223         IP CH8       172.20.64.45       On-line       V4.41.5.2.200301	IP Camerà Muintain       IP CH2       172 20 56 29       On-line       V26.34 8.2.2,220402         Information       IP CH3       172 20 56 33       On-line       V1 0.0 8000170101010_220331         Information       IP CH4       172 20 56 55       On-line       V1 0.0 8000170101010_220331         IP CH5       172 20 56 55       On-line       V25 11 8.2 2,220124         IP CH6       172 20 56 54       On-line       V21 45 8.2 2,220219         IP CH8       172 20 64 45       On-line       V14 15.2 200301	Caminaria Malantain       IP CH2       172 20 56 29       On-line       V28.34 8.2.2,220402         IP CH3       172 20 56 33       On-line       V1 0.0 B0001701010103_220331         IP CH4       172 20 56 38       On-line       V1 0.0 B0001701010103_220331         IP CH5       172 20 56 55       On-line       V25 11 8.2.2,220124         IP CH6       172 20 56 54       On-line       V21 45 8.2.2,220219         IP CH7       172 20 56 47       On-line       V18.25 8.2.2,22023         IP CH8       172 20 66 45       On-line       V4.41 5.2_200301	Maintenance		IP CH1	172 20 56 35	On-line	V6.21.5.2_210624	
Information       IP CH3       172 20 56 33       On-line       V1 0.0 B0000170101013_220331         Information       IP CH4       172 20 56 38       On-line       V1 0.0 B0000170101013_220331         IP CH5       172 20 56 55       On-line       V1 0.0 B000170101013_220331         IP CH6       172 20 56 55       On-line       V25 11 8 2 2_220124         IP CH6       172 20 56 54       On-line       V21 45 8 2 2_220219         IP CH7       172 20 56 47       On-line       V18 25 8 2 2_220223         IP CH8       172 20 64.45       On-line       V4 41 5 2_200301	Information       IP CH3       172 20 56 33       On-line       V1 0.0 B0001701010103_220331         IP CH4       172 20 56 38       On-line       V1 0.0 B0001701010103_220331         IP CH5       172 20 56 55       On-line       V25 11 8 2 2_220124         IP CH6       172 20 56 54       On-line       V21 45 8 2 2_220219         IP CH6       172 20 56 47       On-line       V18 25 8 2 2_22023         IP CH8       172 20 64 45       On-line       V4 41 5 2_200301	IP CH3       172 20 56 33       On-line       VI 0 0 B00017010103_220331         IP CH4       172 20 56 38       On-line       VI 0.0 B000170101010_220331         IP CH5       172 20 56 55       On-line       V25 11 8 2 2, 220124         IP CH6       172 20 56 54       On-line       V21 45 8 2 2, 220219         IP CH6       172 20 66 47       On-line       V18 25 8 2 2, 22023         IP CH8       172 20 66 445       On-line       V4 41 5 2, 200301			IP CH2	172.20.56.29	On-line	V26.34.8.2.2_220402	
IP CH5       172 20 56 55       On-line       V25 11 8 2 2_220124         IP CH6       172 20 56 54       On-line       V21 45 8 2 2_220219         IP CH7       172 20 56 47       On-line       V18 25 8 2 2_220223         IP CH8       172 20 64.45       On-line       V4 41 5 2_200301	IP CH5       172.20.56.55       On-line       V25.11.8.2.2,202124         IP CH6       172.20.56.54       On-line       V21.45.8.2.2,20219         IP CH7       172.20.56.47       On-line       V18.25.8.2.2,20223         IP CH8       172.20.64.45       On-line       V4.41.5.2,200301	IP CH5       172 20 56 55       On-line       V25 11 8 2 2,220124         IP CH6       172 20 56 54       On-line       V21 45 8 2 2,220219         IP CH7       172 20 56 47       On-line       V18 25 8 2 2,220223         IP CH8       172 20 64 45       On-line       V4 41 5 2,200301			IP CH3		On-line	V1.0.0.B0001701010103_220331	
IP CH6       172.20.56.54       On-line       V21.45.8.2.2_202219         IP CH7       172.20.56.47       On-line       V18.25.8.2.2_20223         IP CH8       172.20.64.45       On-line       V4.41.5.2_200301	IP CH6       172 20.56.54       On-line       V21.45.8.2.2,20219         IP CH7       172 20.56.47       On-line       V18.25.8.2.2,20223         IP CH8       172 20.64.45       On-line       V4.41.5.2,200301	IP CH6       172 20 56 54       On-line       V21.45 8.2.2,220219         IP CH7       172 20 56.47       On-line       V18.25 8.2.2,220223         IP CH8       172 20 64.45       On-line       V4.41.5.2,200301	Information		IP CH4	172.20.56.38	On-line	V1.0.0.B0001701010103_220331	
IP CH7       172 20 56 47       On-line       V18 25 8 2 2 220223         IP CH8       172 20 64 45       On-line       V4 41 5 2 200301	IP CH7       172 20 56 47       On-line       V18 25 8 2.2,220223         IP CH8       172 20 64.45       On-line       V4 41.5 2,200301	IP CH7         172.20.56.47         On-line         V18.25.8.22.220223           IP CH8         172.20.64.45         On-line         V4.41.5.2_200301				172.20.56.55	On-line	V25.11.8.2.2_220124	
□ IP CH8 172 20.64.45 On-line V4.41.5 2_200301	□ IP CH8 172 20 64.45 On-line V4.41.5.2_200301	IP CH8 172 20.64.45 On-line V4.41.5.2_200301			IP CH6	172.20.56.54	On-line	V21.45.8.2.2_220219	
×	×	×			IP CH7	172 20 55 47	On-line	V18.25.8.2.2_220223	
×	×	×			IP CH8	172.20.64.45	On-line	V4.41.5.2_200301	
Reboot IPC	Rebot IPC	Reboot IPC							
				Reboot IPC					

#### 5.7.4.3 Reboot IPC

You can restart IPC in this menu. Check IPC and Click reboot IPC.

# 5.7.4.4 Manage IPC parameters

Multi-User	Channel IP CH1 IP CH2 IP CH5 IP CH6 IP CH7 IP CH8	IP Address 172 20 56 35 172 20 56 29 172 20 56 55 172 20 56 54 172 20 56 54	State On-line On-line On-line On-line	Software Version           V6 21 5 2,210624           V26 34 8 2 2,220402           V25 11 8 2 2,220124           V21 45 8 2 2,220219           V18 26 8 2 2,220223	
IP Camera Maintain	IP CH2 IP CH5 IP CH6 IP CH7	172 20.56 29 172 20.56 55 172 20.56 54 172 20.56 47	On-line On-line On-line	V26 34.8.2.2_220402 V25 11.8.2.2_220124 V21.45.8.2.2_220219	
IP Camera Maintain	IP CH5 IP CH6 IP CH7	172.20.56.55 172.20.56.54 172.20.56.47	On-line On-line	V25.11.8.2.2_220124 V21.45.8.2.2_220219	
Information	IP CH6 IP CH7	172.20.56.54 172.20.56.47	On-line	V21.45.8.2 2_220219	
		172.20.56.47			
			On-line	1/48 35 8 3 3 338333	
	IP CH8			\$33033 <sub>2</sub> ,2.0.03,01 V	
		172.20.64.45	On-line	V4.41.5.2_200301	
Save Settin	gs Load Settings				

Export parameters, check IPC, Click Save settings, and the USB flash disk path will pop up. After selecting the path, Click OK to export IPC to USB flash disk; Check IPC and Click load settings to import parameter files from USB flash disk into the IPC.

Setup Channel	Record Alarm	Al Network	Device Syste	m					O4(11/2022 20)	16:24
General	Upgrade Load	Default Reboo	t IPC Parameter	Management Fr	ormat IPC					
• Multi-User		Channel	IP Address	Serial No.	Туре	State		Free Time		
Maintenance		IP CH2	172.20.56.29	SD0	RW		0M/14G	0s/8Hour		
Information										
					×					
	Format									

## 5.7.4.5 Format IPC

This function can detect SD memory card connected to an IPC with the API protocol, and Click Format's SD card for the IPC that can be formatted. Note:DVR and IP camera need version 8.2.2 and above.

# 5.7.5 System Information

This menu allows you to view the system information, channel information, record information & network status.

#### 5.7.5.1 Information

View system information such as device ID, device model name, IP address, MAC address, firmware version and more.

Setup Channel	Record	d Alarm Al Network	Device System	O4(11/2022 20:16:43	×
General	info	mation Channel Informatio	n Record Info Network State		
Multi-User		Device ID	000000		
Maintenance		Device Name	D7116GR-NS-T-E		
IP Camera Maintain		Device Type	D7116		
		Hardware Version	DM-446		
		Software Version	V8.2.2-20220330-0411		
		IE Client Version	V1.2.1.26		
		Video Format	NTSC		
		HDD Volume	5589G		
		IP Address			
		IPv6 Address	fe80-223-63ff fe94-a6c4 / 64		
		Http/Https/RTSP	80,80		
		Client	9000,9000		
		MAC Address	00-23-63-94-A6-C4		
		Network State	Connect success		
		P2P ID	Y3NGA7GHJ668Y247111A		

If your DVR supports P2P function, you will find the P2P ID & P2P QR code in the information page. You can scan this QR cord with mobile app to remote view the DVR.

## 5.7.5.2 Channel Information

General	Information	Channel Information Record Info Netwo	rk State				
Multi-User	Channel	Alias	State	Mainstream	Substream	Mobilestream	Motion Detectio
Maintenance		cover123-CH1	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
IP Camera Maintain	CH2	CH21@I%#%#^\$&^s3da1s435as35ds1	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
		CH3sdfaJsfkl@^%o2112	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
		CH4adsnjajkl75545	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
		CH5adsajdkhndhasd1322	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH6	CH6	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	СНВ	CH8	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH12		Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH14		Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
	CH16	CH16	Enable	3840x2160, 10Fps, 6Mbps	704x 480, 10Fps, 512Kbps	Nonsupport	Support
			On-line	2592x1944, 14Fps, 5Mbps	640x 480, 15Fps, 4Mbps	Nonsupport	Support
	IP CH2	IP CH2	On-line	3840x2160, 16Fps, 4Mbps	1280x 720, 20Fps, 4Mbps	640x 480, 20Fps, 1.5Mbps	Support
				2560x1440, 25Fps, 2Mbps	640x 480, 10Fps, 512Kbps	Nonsupport	Support

View channel information for each connected camera such as alias, mainstream and substream recording specifications, motion detection status & privacy zone.

Setup Channe	n Res	cord Alam	n Al Netwo	ork Device	System				O4/11/2022 20:17:15
General		Information	Channel Informa	ation Record a	Network S	tate			
Multi-User		Channel	Record State	Record Switch	Stream Type	Resolution	FPS	Bitrate	
Maintenance			ON	Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
IP Camera Maintain		CH2	ON	Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps į 10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
		CH6	ON	Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
		CHB	ON	Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
	*			Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
			ON	Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
		CH12		Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
		CH14	ON	Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	3840x2160   704x480	10Fps   10Fps	6Mbps   512Kbps	
				Enable	DualStream	2592x1944   640x480	14Fps   15Fps	5Mbps   4Mbps	
		IP CH2	ON	Enable	DualStream	3840x2160   1280x720	16Fps   20Fps	4Mbps   4Mbps	
				Enable	DualStream	2560x1440   640x480	25Fps   10Fps	2Mbps   512Kbps	

## 5.7.5.3 Record Information

View recording *information* for each connected camera such as bitrate, stream type, recording resolution and frame rate (FPS).

## 5.7.5.4 Network State

Setup Channel	Record Alarm Al Network De	vice System	O 04/11/2022 20:17:26
General	Information Channel Information R	ecord Info Network State	
Multi-User	Attribute	Value	
Maintenance	WAN		
Maintenance	IP Address	172.20.56.62	
IP Camera Maintain	Subnet Mask	255 255 255 0	
	Gateway		
	MAC Address	00-23-63-94-A5-C4	
	IPv6 Address	fe60: 223.63ff fe94.a6c4 / 64	
	IPv6 Gateway	fe80.764	
	DHCP	Enable	
	DNS1	172.18.1.222	
	DNS2		
	PPPoE	Disable	
	Port		
	Http/Https/RTSP	80.80 inactive Disable	
	Client	9000,9000, Inactive, Disable	
	Total Band Width:	128Mbps	
	Used Band Width:	55.5Mbps	

View network information.

**Total Band Width:** It shows the DVR's total input band width for IP cameras. **Used Band Width:** It shows the used band width of IP cameras.

# Chapter 6 Al Scenario

Al scenario application function you real real view of the face attendance, more intuitive and convenient to view the real situation.

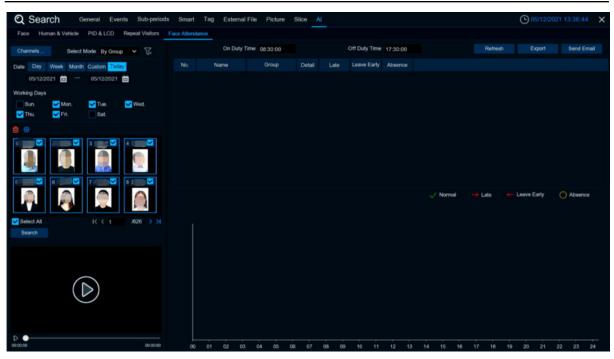
### 6.1 Face attendance

Face attendance screen, which can record face attendance in real time and check the attendance results in real time.



1. Interface theme of face attendance.

2. Click to enter the playback face attendance search interface, and select the face pictures in the face group by default.



<b>റ</b>	Click	to optor the actual interface	
3.	CIICK	to enter the setup interface. Setup	×
		Selup	$\sim$
	Channel	Channels	
	Group	Groups	0
	GUI Theme	Company	
	On Duty Time	08:30:00	
	Off Duty Time	17:30:00	
	Email Configuration	0	
		Apply	

Channels : Channel selection

**Groups**: Select the faces of those face database for attendance, and Click <sup>(2)</sup> to pop up to the AI face database Settings interface.

Company			ପ୍ ତେ	2							
13:24				Datat	base Mana	gement				×	
		Backup Database	Update facial featu	res							
CH3		Group Name					Edit	Enable			
	1 📕 Allow List							$\sim$			
	2 Block List							N.			
	3 🛄 Stranger 4 📕 Group 1/4							5 5			
	5 Group 0						æ				
	6 📕 Group 6							8			
Allow List PA 271											
									Appl		
N.											
						12					

GUI Theme: main interface diagram On Duty Time: set up the duty time Off Duty Time: set up the off duty time

**Email Configuration**: Send face email configuration, Click <sup>(2)</sup> to send face attendance result email configuration.

	E	mail Configurati	on	×
Enable	<b>×</b>			
Send Email	08:30:00	۲		
Mode	Month	✓ 1	~	
	All			
Working Days	Sun.	<mark> M</mark> on.	VTue.	Ved.
	<mark> T</mark> hu.	🔽 Fri.	Sat.	
			Default	Apply

**Enable**: Turn on email to send face attendance results (the attendance result is a form file) **Send Email**: Set the time of sending the face attendance result email, Click the pop-up system

email setting interface on the right side 😟 to configure the system email,Please view <u>5.5.3.1</u> Email Configuration

Email       Image: Comparison of the second of			Email Conf	iguration				>
Encryption Auto   SMTP Port 00025   SMTP Server Image: Server of the								
SMTP Port 00025 SMTP Server Constraints of the server of	Email							
SMTP Server   User Name   Password   Sender   Receiver 1   Receiver 2   Receiver 3   Min	Encryption				~			
User Name  Password  Sender Receiver 1 Receiver 2 Interval 3 Min	SMTP Port	00025						
Password       Show Password         Sender       Show Password         Receiver 1       Show Password         Receiver 2       Show Password         Receiver 3       Show Password         Interval       Show Password	SMTP Server							
Sender Receiver 1 Receiver 2 Receiver 3 Interval	User Name							
Receiver 1 Receiver 2 Receiver 3 Interval 3 Min	Password					Sh	ow Password	
Receiver 2 Receiver 3 Interval 3 Min	Sender							
Receiver 3 Interval 3 Min	Receiver 1							
Interval 3 Min	Receiver 2							
	Receiver 3							
	Interval	3 Min			~			
					De	fault	Apply	

Mode: The mode of sending face attendance results, Day, Week and Month Day: Send it once a day, and send you yesterday's face attendance results.

Mode	Day	~
	Day	

Week: send once a week, you can choose the week to send sent face attendance results for the email time forward a week. For example:

When an email is sent on Monday, the attendance record is sent on last Monday and last Sunday. When sending an email on Tuesday, the attendance record is last Tuesday to Monday.

Mode	Week	~	Mon.	~

**Month**: Send once a month, you can choose the day of each month to send the sent face attendance results for sending the email time pushed one month forward.For example: When an email is sent on the 10th of each month, the attendance record is sent from the 10th of last month to the 9th of this month.

if the email is sent on May 10th, the attendance record sent is the attendance record from April 10th to May 9th.

Working Days: Select a working day, check All, every day is a weekday Apply: Click Apply to save the settings

Default: Send attendance Mail Settings Recovery default

- 4. Displays the current date and time
- 5. Current total number of people attendance situation

23

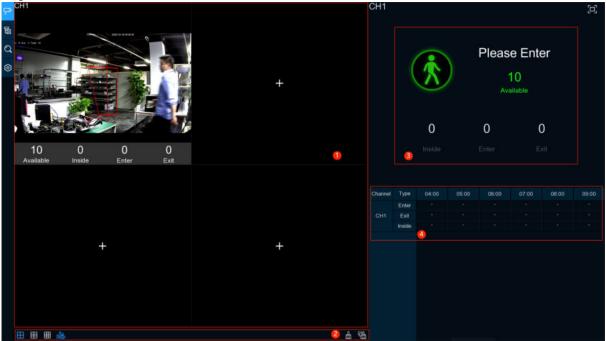
Total number of attendance attendance required

8,	Number of attendance
8	
	No attendance
6.	The attendance status of each face group
	ති
7.	Channel has image, selected <b>Channels</b> to choose channel
8.	Select the number of graph windows, single windows two windows , two windows , four
window	vs .
9.	Face real-time attendance push, display attendance face picture, name, from the group
name.	work attendance time and off-work attendance time.
10.	The interface also displays the maximum number of face attendance pushes, With 1
	.6 <sup>12</sup> 12
<mark>6.2 (</mark>	Cross Counting

This is an AI application based on cross-count functions that helps control the attendance of customers / visitors / vehicles in public places such as restaurants, parks, zoos, theaters, museums, and parking lots.

### 6.2.1 Channel

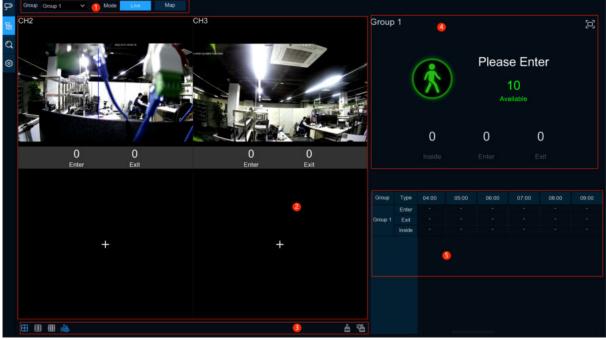
Count and view real-time results through a single camera. Mainly used for small places with single entrances and exits.



ଞ୍ଚେ 1. Channel drawing and real-time line crossing statistical data, the drawing channel can be selected in Channels; Available Inside Enter =xit Available: Number of remaining allowed Inside: Current existing quantity in the control area Enter: Number of recorded entries Exit: Number of departures recorded , six windows 🖽 , nine windows 2.Select the number of drawing windows four windows ; Click display / hide the statistics under the channel; Click to clear the current selected channel statistics,,Click <sup>G</sup> to clear all the channel statistics. 3.Real-time count data information, Click 🖵 to display the total statistics on the full screen. 4.Data and exit information of each channel in each time period.

### 6.2.2 Group

Statistics and view real-time results by group. It is mainly used in large places with multi-channel entrances and is monitored by multi-channel cameras.



1. Group can select the displayed group information displayed, Live displays the channel preview screen and statistics, and Map shows the map information;

2.Channel drawing and real-time line crossing statistical data, select in **Oracle Constant** to select ach group drawing channel;

0	0							
Enter	Exit							
Enter: Number of recorded entries Exit: Number of departures recorded								
2.Select the number of drawing windows,four	windows 📕 , six windows 🖽 , nine windows							
	nder the channel; Click 🛗 to clear the current							
selected channel statistics,,Click to clear	all the channel statistics.							
<ul> <li>3.Real-time count data information, Click D to display the total statistics on the full screen. Available: Number of remaining allowed Inside: Current existing quantity in the control area</li> <li>4.Data and entry and exit information of each group and each time period.</li> </ul>								
(Graph 2)								
Available: Number of remaining allowed Inside: Current existing quantity in the cor 4.Data and entry and exit information of each ( (Graph 2) 5.Map information configuration,Click to ac	display the total statistics on the full screen.							

IPC schematic map on the map,Click 🖾 to display the map information and the Cross -Counting statistics of the current group in the full screen

## 6.2.3 Search



Search for channels and groups separately. Select the channel or group that you want to search for, set the search duration by day, week, month, or year, and select the type of target that you want to search for. Click the search icon and the results appear on the right side of the window.

### 6.2.4 Setup

#### **Configuration Settings**

Image Configur	ration							
Advertise Mode 🛛 😒	Keep Aspect Ratio 🐱	2				Describe: Se	the advertis	sing picture, whether the tched or not, and the
SEQ Dwell Time 3	lmage 🧕					advertising p		iched (a rior, and rife
Channel	2							
Channel	Enat	de 🗸	Capacity	Setup		Alarm		
IP CH1			10					
			10					
IP CH3			10	0		Ø		
IP CH4			10					
IP CH5			10					
			10					
IP CH7			10					
IP CH8		2	10	0		۲		
Group	3							
Group	Add IP Camera	Enable	✓ Capacity	Start Time	End Time			Alarm
Group 1	P		10	00:00:00	23:59:59	Person		
Group 2			10	00:00:00	23.59.59	Person		
Group 3	P		10	00:00:00	23:59:59	Person		
			10	00:00:00	23:59:59	Person	*	
Group 5			10	00.00.00	23 59 59	Person		
			10	00.00.00	23 59 59	Person	¥	
Group 7	P		10	00 00 00	23:59:59	Person		
Group 8			10	00:00:00	23:59:59	Person	~	

1. Check Advertise mode for AD mode; set the SEQ residence time in seconds, which determines the time that each image stays on the screen, by default to 3 seconds. Click Imageto load ad pictures from USB memory and supports the addition of up to 16 images in jpg, png and bmp format, picture resolution can't over 2560x1600.

	Image Management	×
	Tip: up to 16 pictures can be added. The optional format is JPG, PNG, BMP, and the maximum resolution is 2560X1600.	(+)
101		
	*	

Click 🕀 add new picture, Click 🔟 delete added picture one by one. Check Keep Aspect Ratio box if you want to display an image with the original aspect ratio, or unchecked the box if you want the image to stretch out and appear in the full screen. Return to Channel View Mode or Group View Mode, and Click the full-screen button in the upper right corner to display your ad image and the real-time count data for the selected channel or group. Set Enable selects which channels to display on the channel page. If the camera in the 2. channel supports AI functionality, Setup and Alarm icons will be blue 😳 ; Instead, f the camera does not support AI functionality, the icon will be gray 💿.Set up Capacity which is the maximum limit for attendance. Click Setup 😳 to configure the detection condition. Click Alarm 😳 to enter alarm when the number is 0. Group 1 Buzzer Disable Alarm Out Latch Time 10 s

Buzzer:Set the buzzer duration in seconds when the available number is 0.
 Alarm Out:If your DVR supports a connection to an external alarm device, you can set it to sound an alarm.
 Latch Time:Configure the external alarm time with the available number of 0.

3.Click the Add IP Camera P icon to add the channel to the group. Up to eight groups can be set, but can only be added to one group per channel. If channels are enabled in channel view mode, they are not allowed to add to any group. Select the Enable box to activate the group. You

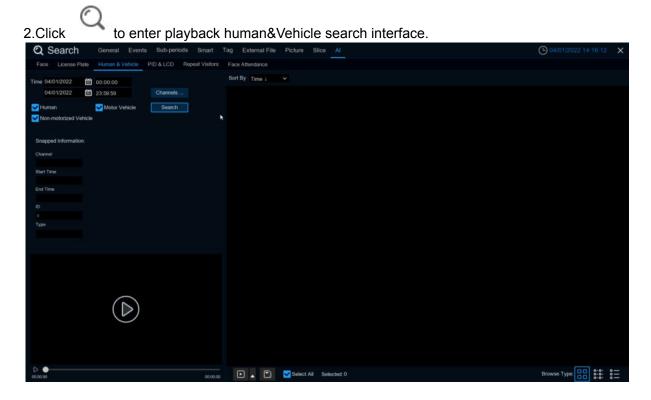
can set the number of Capacity,Start Time,End Time,detection type(Person,Vehicle and Motion).Click Alarm (2) to enter configuration page when the number is 0.

## 6.3 Object Classification

Face, Human, Motor Vehicle, NON-Motor Vehicle detection scene interface display full screen, it can view detection results real time.



1. Interface theme of machine and non-human statistics



3.Click to enter s	setup page.		
	Se	tup	×
GUI Theme			
Statistics	1 Day		~
Channel	Channels		
	Apply	Cancel	

GUI Theme: Local Theme

Statistics : Statistical time, you can choose 1 day, 2 days, 3 days, 4 days, 5 days, 6 days, 7 days, week, month and year.

Channels : Channel selection, you can select the statistical channels

4.Show the current date and time

5.Channel diagram, In Channels select the channels
6.Select the number of drawing Windows, one window two windows four windows

 $\oplus$ 

7.Real-time push display switch, Click the icon to display / hide the corresponding detection results of real-time push

8. Real-time push of face detection, and display of the detected face picture, name, and source group name.

9. Real-time push of humanoid detection, showing the detected humanoid pictures, detection channels and detection time

10. Real-time push of motor vehicle type detection, showing the detected motor vehicle pictures, detection channels and detection time

11. Real-time push of non-motor vehicle testing, display the detected non-motor vehicle pictures, detection channels and detection time

12. Statistics of the number of human faces, human shapes, vehicle models and non-motor vehicles captured.

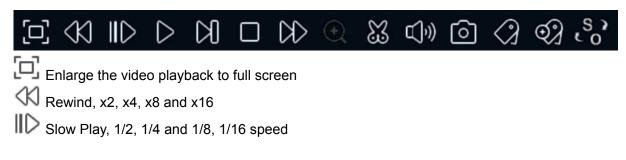
# Chapter 7 Search, Playback & Backup

The Search function gives you the ability to search for and play previously recorded videos as well as snapshots that are stored on your DVR's hard drive. You have the choice of playing video that matches your recording schedule, manual recordings or motion events only. The Backup function gives you the ability to save important events (both video and snapshots) to a USB flash drive.

### 7.1 Using Search Function

Click 🤇	Sear	ch button i	n the Start M	Menu to er	iter search	n section.			
Q Search	Genera	Events Sub-penor	is Smart Tag Ext	ternal File Picture		×		9	04/11/2022 20:22:36 ×
Date 7									Stop
Search Type									
	Motion								7
17 M ASS 1 1 1 1	PIR								
	🖬 Lat 3								
	🔽 PD & 🗤 🦯								
1000	✓ CD								
🔽 QD	🖌 LPD								
	Sound Sound								
VT I	Manual 🖌								
Stream Type	Mainstream 🗠								
Channel									
🗹 📑 T-0	4								
T-CH	sdfa3sfki@^%o								
T-CH4	adsnjajki75545								
T-CH5	adsajdkhndhasd								
T-CH7 T-CH8									
т-снэ									
T-CH10		10 < di 10 D 01		o a a . <mark>5</mark>					💿 24h 💿 2h 🔵 1h 🔵 30m
T-CH1	2	0		11. 11.	10.00	200 4400	20.00	18.60 20.00	23.00 00.00
T-CH1					6				
T-CH1	5	Normal Scholing	8 PR Minteligent Alarm	Manual	04/1	1/2022			
		A CONTRACT ORDINORS	A A A A A A A A A A A A A A A A A A A	and a second sec					

- Search Options: the system provides various search & playback methods: General, Events, Sub-periods, Smart & Pictures
- 2. Search Date: search by a date to play back.
- 3. Search Type: the system provides different search types to narrow your search.
- 4. Channel Selection: to choose the channels you want to search & play.
- 5. Video Playback Controls: to control the video playback.



▷ Play
00 Pause
NI
Play frame by frame. Click once to play a frame of the video
L Stop
Fast Forward, x2, x4, x8 and x16
Digital Zoom: Click to zoom in then Click -and-drag on a camera image during playback to zoom in on the selected area. Right-Click to return to regular playback.
Video Clip. Quickly save a section of video to a USB flash drive. View more on 7.1.1.1
Save Video Clip.
Volume Control: scroll the slider bar to increase or decrease volume.
Snapshots: to capture a snapshot image to your USB flash drive. If the video playback is in split-screen view, move the mouse cursor to the channel you want to capture, and then
Click the old icon to save the snapshot.
Add default bookmark
Add custom bookmarks;
Switch the original proportional screen or stretching screen.
<b>Timeline:</b> Continuous recordings are shown with colored bars to represent different types of recording (legend shown in the bottom-right corner of the display). Use the timeframe options
( 24h 2h 1h 30m) to view a smaller or larger time period. Different types of recording shown in different colors:
📕 Normal 📕 Motion 📕 IO 🧱 PIR 🔜 Intelligent 📕 Alarm 📰 Manual
Continuous Recording in Green color;
Motion Recording in Yellow color;
I/O Recording in Red color;
Motion & I/O Recording in Orange color;
Intelligent Recording in Blue color;
PIR Recording in Purple color;

7. Playback Status: display the video play status.

6.

## 7.1.1 Search & Play Video in General

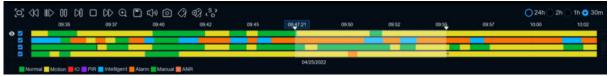
This menu gives an option to search & play recording for a selected date.

Q Sea	rch Genera	Events	Sub-periods	Smart Ta	ag External File	Picture	Sice Al		×			9		
ste 04/1	1/2022													St
arch Type														
Normal	Motion													
10	V PIR													
PID	LCD													
SOD	PD & VD													
AD	FD													
CC	CD													
ap	UPD													
RSD	Sound													
VT	Manual 🗹													
ream Type	Mainstream 🜱													
annel														
	cover123-CH1													
	CH2:@1%#%#^\$&^s CH3sdfa;lsfkl@^%o													
	CH4adsnjajkl75545													
	CH5adsajdkhndhasd													
	CH6													
	CH7													
	CHB													
	CH9 CH10													
	CH10 CH11	<b>(c)</b> (d)											o 24h 🔘 :	
	CH12	00.00	02:00	04:00	C6.00	08:00	10.00	12:00	14:00	15(00	18.00	20.00	22.00	
	CH13	0												
	CH14													
	CH15													
	unio		Motion   0					04/11/2022						

- icon to search for video recording from the calendar. 1. Click
- 2. Choose Search Type
- 3. Check channels you would like to search, or check Channel, to search all connected channels.
- 4. The search result will display on the timeline from 00:00 to 24:00.
- 5. Click  $\triangleright$  button to start playback.
- 6. Control the playback with buttons on Video Playback Controls.
- 7. Use the timeframe options ( <sup>24h</sup> <sup>2h</sup> <sup>2h</sup> <sup>1h</sup> <sup>30m</sup>) to view a smaller or larger time period.
- 8. If you want to quickly save a section of video during playing back to a USB flash drive, use the Video Clip backup function.

9. Tag function, Click <sup>(Q)</sup> to add Costumed Tag. Click to add Default Tag. You can make a mark at the current time of the current channel. After the addition is completed, you can jump to the previously made "mark" in the label return interface to play back.

#### 7.1.1.1 Video Clip Backup



- 1. Insert your USB flash drive to the DVR.
- 2. Start a video recording playback.
- 3. Click 🐰 icon.
- 4. Check the channel(s) you want to make a video clip backup.
- 5. Move the mouse cursor to the timeline where you want to start the video clip.
- 6. Press and hold the left button of your mouse, and drag the drag the cursor to the timeline where you want to end the video clip.
- 7. The  $\Im$  icon has been changed to  $\square$  icon, Click  $\square$  to save the video clip.
- 8. Select a file type for your backup files, Click Save button to save the video clips. Please make sure your USB driver has enough space to save the video clips.

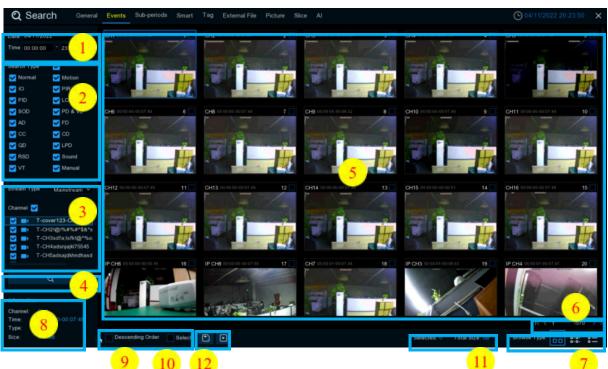
	Backup T	уре	>
o RF	O AVI	🔵 mp4	
Channel:	CH1,CH3,CH4,CH6,		
Size:	798.291MB		
Start Time	00:11:21		
End Time:	00:32:10		
	Save	Cancel	

- 9. The backup drive menu appears. Navigate to the folder you want the backup files to save in.
- Click OK to begin. The progress bar at the bottom of the window shows you the progress of the backup.
   Backup

Driver List:	e		4	Ĩ,	Î
🔮 USB1		Name	Last Modify		
	Location:				
	Selected Directory	/hidev/usb1		•	۲
	3/7	67%			

## 7.1.2 Event Search, Playback & Backup

Event search lets you view a list of video recordings with the channel, start and end time, and recording type conveniently summarized. You can also quickly back up events to a USB flash drive.



## To search, play & back up for events:

- 1. Choose the date & time you want to search.
- 2. Check the recording types you want to search, or check Search Type to choose all.
- 3. Choose the channels you want to search, or check Channel to choose all channels.
- 4. Click  $\bigcirc$  icon to start search.
- 5. Events fitting your search criteria are displayed in list form. You can double Click the left button of your mouse upon one of the events to play the video immediately.
- 6. Click K (1 ) /106 > > icons in the bottom-right corner of the menu to browse between pages of events, or input the page you want to browse.
- 7. You can switch the view of list form in by Click ing below icons which is show at the right bottom corner of the screen:

Thumbnails view. You can view the snapshots of the events.

**List view.** The events will be displayed in list.

Q Sear	Ch General	Events Sub-period	ls Smart Tag	External File Picture	Slice Al			Guin	2022 20 25 20
ate 04/11/20	22	1 CH1 00.00.00	2 CH2 00.00.00		4 CH4 00:00:00	5 CH5 00:00:00	6 CH6 00 00 00	7 CHB 00.00:00	B CH9 00.00.00
		9 CH10 00:00:00	10 CH11 00:00:00	11 CH12 00:00:00	12 CH13 00:00:00	13 CH14 00:00:00	14 CH15 00 00 00	15 CH16 00:00:00	16 IP CH6 00:00:01
ime 00:00:00	23:59:59	17 IP CH8 00 00:00	18 CH7 00:00:01	19 P CH3 00 00 01	20 IP CH4 00:00:01	21 P CH5 00:00:01	22 IP CH1 00 00 02	23 IP CH2 00:00.03	24 IP CH7 00 00 0
		25 IP CH7 00:00:19	26 CH15 00:00:51	27 CH2 00.01.01	28 IP CH2 00:03:26	29 IP CH6 00.05.16	30 IP CH3 00 06 03	31 CH3 00.06:23	32 CH9 00:06:3
earch Type	<b>2</b>	33 IP CH6 00.06 49	34 CH2 00:07:52	35 CH3 00.07:52	36 CH4 00:07:52	37 CH5 00:07:52	38 CH6 00 07 52	39 CH9 00:07:52	6 CH11 00.07:5
Normal	Motion	41 IP CH6 00:07:52	42 IP CH7 00:07 52	43 CH7 00:07:53	44 CH8 00:07:53	45 CH10 00:07.53	46 CH12 00 07 53	47 CH13 00:07:53	48 CH14 00.07 5
01	V PIR	49 CH15 00.07:53	50 IP CH2 00:07:53	51 P CH3 00 07.53	52 IP CH5 00:07:53	53 CH16 00.07 54	54 IP CH1 00.07.54	55 IP CH5 00.07 54	56 IP CHB 00.07.5
PID	CD LCD		58 IP CH4 00:07:55	59 CH5 00.08:11	60 CH8 00:08.33	61 CH4 00 08 35	62 IP CH1 00 10 16	63 CH11 00:11:51	64 CH7 00.12.4
SOD	PD & VD	65 IP CH5 00 13:37	66 CH1 00.13:47	67 P CH6:00 13:57	68 CH13 00 14:20	69 P CH6 00 14:42	70 P CH4 00 16 23	71 CH12 00:16:24	72 CH10 00 16 4
		73 CH14 00:16:53	74 CH16 00:17:23	75 P.CH7 00:17:29	76 CH6 00 18:09	77 CH15 00:19:19		79 IP CH6 00:20:17	80 P CH6 00:20:3
AD 🛛	FD FD	81 IP CH6 00.22:28	82 CH9 00.23:29	83 IP CH6 00 24 14	64 CH3 00 25.13	85 IP CH2 00:26:21	6 CH4 00.27.12	67 CH5 00.27.18	E88 CH6 00.28 0
CC	🖌 C0	89 CH11 00.29-18	90 IP CH8 00.31.18	91 CH1 00.31.36	92 CH13 00 32 02	93 CH7 00 32 37	94 IP CH6 00:33 06	95 CH12 00 33 39	96 CH10 00.33.4
OD N	V LPD	97 IP CH7 00:34:38	98 CH14 00:34:50	99 CH16 00 35.36	100 IP CH6 00:35:38	101 IP CH6 00:36 50	102 IP CH6 00:37 28	103 CH6 00:37:38	104 IP CH1 00:37.3
RSD	Sound	105 CH15 00 37 43	106 CH2 00:37 49	107 IP CH6 00:38:24	108 IP CH6 00:39:04	109 CH9 00:40:23	110 P CH6 00:41:38	111 CH5 00:42:00	112 CH3 00:42:0
	and the second second	113 CH7 00.42.01	114 CH9 00.42:01	115 CH11 00 42.01	116 CH13 00:42:01	117 CH15 00 42:01	118 CH1 00 42 02	119 P CH1 00.42.02	120 P CH7 00 421
VT	🛃 Manual	121 CH3 00.42.30	122 CH1 00.42.31	123 CH5 00 42:31	124 CH7 00:42:31	125 CH9 00 42 31	126 CH11 00:42:31	127 CH13 00 42 32	128 CH15 00 42 3
		129 IP CH6 00:43:05	130 IP CH6 00:43:13	131 CH3 00 44:09	132 CH4 00 45 58	133 CH5 00 48 27	134 CH11 00:48.42	135 IP CH1 00:47 02	136 P CH7 00 47 0
ream Type	Mainstream ~	137 IP CH6 00:47:44	138 CH8 00:47.52	139 IP CH2 00 49 08	140 CH1 00.49.33	141 CH13 00:49:42	142 CH10 00 50 55	143 CH12 00.50.55	144 IP CH7 00 51 4
		145 CH7 00:52:39	146 CH14 00:52 48	147 IP CH6 00:53 38	148 CH16 00:53:50	149 IP CH6 00:54 59	150 CH15 00 56 13	151 CH2 00:58:21	152 CH6 00:57:1
iannel 🗹		153 CH9 00 57 15	154 IP CH6 01 01 16	155 CH3 01:03:13	156 IP CH1 01 04 02	157 CH11 01 04:08	158 P CH8 01 04:32	159 CH4 01.04.48	160 P CH1 01 04 !
T-0	over123-CH1	161 CH5 01:05:45	162 IP CH6 01:05:45	163 CH13 01 07 26	164 CH1 01:07:28	165 CH8 01.07.43	166 CH10 01.08.00	167 CH12 01 08:12	168 P CH7 01.08
T-C	H21@1%#%#*\$&*s	169 IP CH1 01:09:03	170 CH14 01:10:51	171 P CH6 01 10:55	172 IP CH3 01 11:27	173 P CH2 01 11 57	174 CH16 01 12:09	175 CH7 01:12:47	176 P CH6 01:13:0
T-0	H3sdfa,isfkl@^%o.	177 CH9 01 14 10	178 CH15 01 14 45	179 CH2 01 14.52	180 CH6 01 16.42	181 IP CH6 01:16.52	182 IP CH6 01.17.24	183 IP CH5 01:20:17	184 IP CH6 01 21 2
T-C	H4adsnjajkl75545	185 CH11 01 21 34	186 P CH4 01 21 43	187 CH3 01:22:10	188 IP CH6 01:23:08	189 CH4 01.23.37	190 CH5 01 25 02	191 CH10 01:25.04	192 CH13 01 25 0
T-0	H5adsajdkhndhasd	193 CH1 01:25:25	194 CH12 01:25:27	195 IP CH7 01 26 03	196 CH8 01 27 31	197 P CH6 01 28:25	198 CH14 01 28 50	199 CH16 01:30:21	200 CH9 01:31
		201 IP CH1 01.32.18	202 IP CH6 01:32:48	203 CH7 01.32.53	204 CH15 01:33:15	205 CH2 01 33 22	206 IP CH6 01 33 25	207 IP CH2 01:34:45	208 CH6 01:36.1
	Q	209 IP CH8 01 37 46	210 P CH6 01 38 32	211 CH11 01:39:02	212 CH3 01:41:18	213 CH10 01 42:08	214 CH4 01:42:23	215 CH12 01:42:43	216 CH13 01 42 5
		217 IP CH7 01:43 13	218 CH1 01 43 17	219 CH5 01 44 18	220 CH14 01 46 51	221 CH8 01:47:17	222 IP CH6 01 47 50	223 CH9 01:48:01	224 CH16 01 48.1
		225 IP CH5 01 51 07	225 IP CH6 01:51:32	227 CH15 01 51:46	228 CH2 01:51:51	229 P CH6 01 52 20	230 CH7 01 52 56	231 P CH6 01:53 25	232 P CH6 01 54 1
ormation		233 IP CH6 01 54 45	234 CH6 01.55 40	235 P CH6 01 56 10	236 CH11 01 56 29	237 P CH6 01 57.22	238 P CH2 01 57 32	239 CH10 01:59:13	240 P CH6 01:59:2
sannel: CH									
me: 00: pe: N									
		Descending Order	Select				Selected: 0 Total Size	e:0B Browse Typ	e: 88

### **Detailed view.** You can view the details of the events.

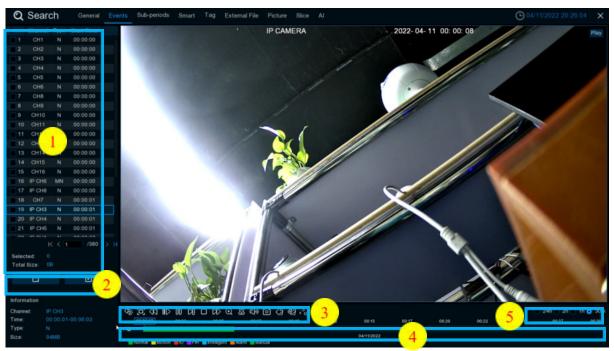
			Channel	Type	Date	Start Time	End Time		Playback.	Lock
bate 04/11/2022	Ö		CH1	N	04/11/2022	00:00:00	00:07:48	443MB		ъ
ime 00:00:00	23:59:59	2	CH2	N	04/11/2022	00:00:00	00:01:01	57MB		25
							00:06:23	342MB		
earch Type	<u>~</u>				04/11/2022	00:00:00	00:07:50	425MB	Ð	
Normal	Motion				04/11/2022			415MB		
0	PIR PIR		CH6		04/11/2022	00:00:00	00:07:49	409MB		
	LCD							406MB		
			CH9		04/11/2022	00:00:00	00:06:32	392MB		
	🖌 PD & VD					00:00:00	00:07:49	466MB		
AD	FD FD				04/11/2022	00:00:00	00:07:49	455MB		
CC .	🖌 CD					00:00:00		459MB		
00	LPO		CH13		04/11/2022	00:00:00	00:07:49	450MB		
RSD	Sound					00:00:00	00:07:48	442MB		
	Manual				04/11/2022	00:00:00	00.00:51	47MB		
VT	Marijae							438MB		
			IP CH6	MN	04/11/2022	00:00:00	00:05:16	235MB		
eam Type	Mainstream 🔗		IP CH8			00:00:00		240MB		
2100					04/11/2022	00:00:01	00:07:49	399MB		
annel 🗹			IP CH3			00:00:01		94MB		
T-cover	123-CH1		IP CH4		04/11/2022	00:00:01	00:07:47	121MB		
T-CH21	@116#16#158.1s							120MB	Þ	
T-CH3	idfa,lsfkl@^%o.		IP CH1		04/11/2022	00:00:02	00:07:50	290MB	Ð	
	idsnjajki75545							152MB		
T-CH5a	dsajdkhndhasd		IP CH7		04/11/2022	00:00:03	00:00:19	17MB		
						00.00.19		445MB		
ପ୍			CH15		04/11/2022	00:00:51	00:07:48	384MB		
								376MB		
ormation			IP CH2		04/11/2022	00.03.26	00.07:50	196MB		
			IP CH6	MN	04/11/2022	00:05:16	00.06:50	70MB	Ð	
annel: CH1			IP CH3		04/11/2022	00:06:03	00:07:47	27MB	F	
										/380
pe: N w: 443MB		Descending O	rder Select 💽					Total Size: 0B	Browse Type:	F

In the detailed view mode, you can lock the video events to keep events from being

overwritten in the hard drive. Click the 🛅 icon to lock or Click 🗄 to unlock the events. 9. Check the box next the number of the event to select files, or check the box next Select to

- select all events in the page.
- 10. 10. The number of selected files, total size information will be displayed at the right bottom of the screen.
- 11. After selecting file, you can Click 🔲 icon to save the video to USB flash drive. Or Click 🕨 icon into event playback control window to play the video.

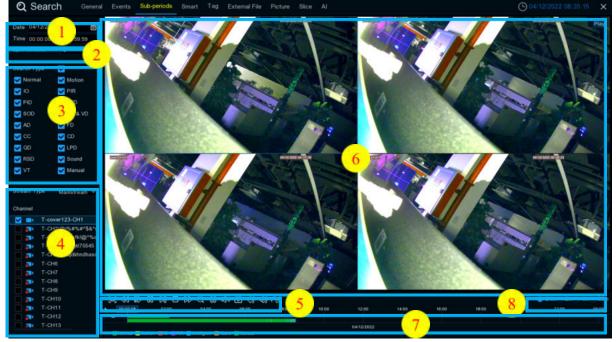
#### 7.1.2.1 Event Playback Control



- 1. Event List, you can select the events here.
- 2. Click icon to save your selected event videos to USB flash drive. Click icon to play video.
- 3. Control the playback with buttons on Video Playback Controls. You can Click So icon or Click right button of your mouse to exit the playback and return to event search window.
- 4. The event you are playing now will be displayed on the timeline.
- 5. Use the timeframe options ( 24h 2h 1h 30m ) to view a smaller or larger time period.

### 7.1.3 Sub-periods Playback

Sub-periods playback allows you to play multiple normal recordings and motion events simultaneously from a single channel. With normal and event recordings, the video is divided evenly depending on the split-screen mode that has been selected. For example, if the video is an hour long and you have selected Split-screens x 4, each split-screen will play for 15 minutes.



#### To search & play video in sub-periods:

- 1. Choose the date & time you want to search.
- 2. Choose the split-screens you want the videos to be played in.
- 3. Check the recording types you want to search, or check Search Type to choose all.
- 4. Choose the channels you want to search. Please note that this function only supports to search & play one channel at a time.
- 5. Click the play button  $\triangleright$  to start playing. Control the playback with buttons on Video Playback Controls.
- 6. Videos are being played in split-screens.
- 7. Click the left button of your mouse upon a particular split-screen, the time period of the video split-screen will be displayed on the timeline. The color bar on the top of the timeline indicates the time span of the video split-screen you have Click ed. The color bar on the bottom of the timeline indicates the time span for the whole videos you have searched.

		ontions (	24h 💿 2h 💿	1h 🔵 30m 🗤		or or larger tir	
						10/24/2017	
							ŭ -
0000	0200	04:00		0000	10:00		14.00

0

8.Use the timeframe options ( 2410 210 210 200 ) to view a smaller or larger time period.

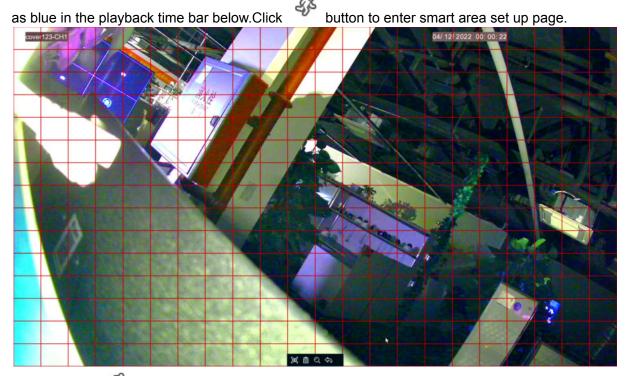
⊕2	
9.Tag function,Click 💜 to add Costumed Tag.Click	to add Default Tag.You can
make a mark at the current time of the current channel. After the	addition is completed, you can
jump to the previously made "mark" in the label return interface t	o play back.

### 7.1.4 Smart Search & Playback

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Smart mode allows you to easily search & play the motion events in one or more specific areas of the channel.

This feature can identify whether it is triggered by the Motion in Motion. If so, it will be displayed



Click this icon  $4^{3}$  on Video Playback Controls, the camera will be shown in full screen and the Smart controls bar will be visible.

230

### 7.1.5 TAG playback

In tag playback, you can find all added tags. And perform playback, editing and deletion operations.Click Edit to modify the label name, and Click Delete to delete the label.

T-CH3sdfa.k	3.59.59 23-CH1 Http#Sp#158/15 fa.55fkt@rf56/15	Tag Name Tag Tag	Channel IP CH2 IP CH2	Date 04/11/2022 04/11/2022	Time 13.27.27 13.27.45	Playback	Edit	Delete	
d Time 41/12/2022  2 3-5 41/12/2022  2 3-5 41/12/2022  4 T-CH2/20714 4 41/12/20714 4 4 4 4 4 4 4 4 4 4 4 4 4	3:59:59 23-CH1 #%#%#%#%&% #13/5K405%%60. #njajK75645								
V12/2022 2 23 9 yword annel C T-chvarl23-	23-CH1 #%#%#^\$&^s fa3sfkl@^%o snjajki75545								
yword annel ✓ T-cover123- T-cH2igHX T-cH3afta1 T-CH3afta1 T-CH3afta1 T-CH3afta1 T-CH7 T-CH9 T-CH9 T-CH10 T-CH12 T-CH13 T-CH13 T-CH13 T-CH13 T-CH15 T-CH15	23-CH1 #%#%#^\$&^s fa3sfkl@^%o snjajki75545								
annel C T-cover123- T-cover12	1%#%#%\$8^s fa3sfki@^%o. snjajki75545								
annel C T-cover123- T-cover12	1%#%#%\$8^s fa3sfki@^%o. snjajki75545								
T-cover123-           T-CH2(e)Hu           T-CH3eth3           T-CH44adrig           T-CH44adrig           T-CH6           T-CH7           T-CH8           T-CH7           T-CH8           T-CH8           T-CH8           T-CH8           T-CH8           T-CH8           T-CH8           T-CH9           T-CH10           T-CH112           T-CH13           T-CH14           T-CH15           T-CH15	1%#%#%\$8^s fa3sfki@^%o. snjajki75545								
T-cover123-           T-ch20(hk/ T-ch3adta)           T-ch42(a)hk/ T-ch44adnig           T-ch43adta)           T-ch410           T-ch412           T-ch413           T-ch413           T-ch414           T-ch415           T-ch415	1%#%#%\$8^s fa3sfki@^%o. snjajki75545								
7CH2(Q)Hai           8CH2(Q)Hai           7CH2(Q)Hai           7CH2(Addung)           8CH2(Q)Hai           7CH3(Addung)           8CH2(Q)Hai           7CH3(Addung)           8CH2(Q)Hai           7CH3(Addung)           8CH3(Addung)           7CH3(Addung)           7CH1(2)           7CH1(2)           7CH1(3)           7CH1(3)           7CH1(3)           7CH1(3)           7CH1(3)           7CH1(5)           7CH1(5)           7CH1(5)	1%#%#%\$8^s fa3sfki@^%o. snjajki75545								
T-CH3sdfs3           T-CH4sdfs4           T-CH4sdfs4           T-CH4sdfs4           T-CH8           T-CH8           T-CH8           T-CH8           T-CH10           T-CH12           T-CH12           T-CH12           T-CH13           T-CH13           T-CH14           T-CH15           T-CH16	fa Jsfkl@^%o. snjajkl75545								
T-CH4adana T-CH5ad5naja T-CH5ad5naja T-CH6 T-CH7 T-CH7 T-CH10 T-CH10 T-CH12 T-CH12 T-CH13 T-CH15 T-CH16	snjajki75545								
T-CH5adsajd T-CH6 T-CH7 T-CH7 T-CH7 T-CH10 T-CH10 T-CH11 T-CH12 T-CH12 T-CH13 T-CH14 T-CH14 T-CH15 T-CH16									
T-CH8 T-CH7 T-CH8 T-CH9 T-CH10 T-CH10 T-CH11 T-CH12 T-CH13 T-CH14 T-CH16	sajdkhndhasd								
T-CH7 T-CH8 T-CH9 T-CH10 T-CH11 T-CH12 T-CH12 T-CH14 T-CH14 T-CH16									
T-CH8 T-CH9 T-CH10 T-CH11 T-CH12 T-CH13 T-CH14 T-CH15 T-CH16									
T-CH9 T-CH10 T-CH11 T-CH12 T-CH12 T-CH13 T-CH14 T-CH15 T-CH16									
T-CH10 T-CH11 T-CH12 T-CH12 T-CH13 T-CH13 T-CH14 T-CH15 T-CH16									
T-CH11 T-CH12 T-CH12 T-CH13 T-CH14 T-CH14 T-CH15 T-CH16									
T-CH11 T-CH12 T-CH12 T-CH13 T-CH14 T-CH14 T-CH15 T-CH16									
T-CH13 T-CH14 T-CH14 T-CH15 T-CH16									
T-CH14									
T-CH14									
Z 🔜 T-CH15									
Z 📰 T-CH16									
P CH2			*						
IP CH3									
P CH4									
IP CH5									
P CH6									
P CH7									
IP CH8									

## 7.1.6 External file playback

Here you can play videos in the external U disk. Select files on the left to play automatically.

Q Sea	rch	General	Events	Sub-periods	Smart	Tag	External File	Picture	Slice	O4/12/2022 08:40:47 ×
Device Name	US81-1									
File Type										
	Name									
30kq-8.	2.2-220124									
30kg_or	wif									
8.2.271	<b>股包</b>									
H8108										
MZB										
NT9852	9_8.2.1									
RF										
RS_D32										
System	Volume Inf	ormation								
ab										
hidev										
nas										
topdump	pack									
uboot_u	pgrade									
#D										
人給车期	時入									
	0			900						
	Ų			•						

### 7.1.7 Picture Search & View



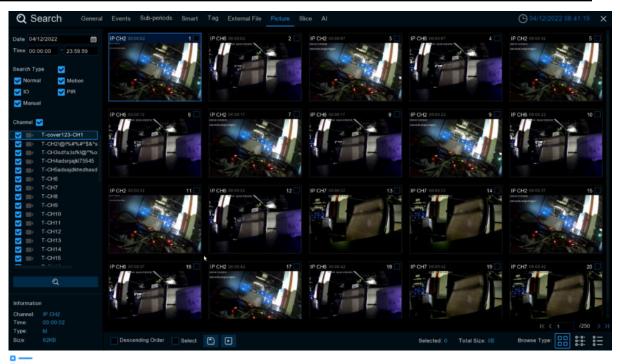
This function can be used to search, play and copy snapshots to a USB flash drive.

#### To search, play & back up pictures:

- 1. Choose the date & time you want to search.
- 2. Check the picture capture types you want to search, or check Search Type to choose all.
- 3. Choose the channels you want to search, or check Channel to choose all channels.
- 4. Click  $\bigcirc$  button to start search.
- 5. Pictures fitting your search criteria are displayed in list form. You can double Click one of the pictures to get a larger view.
- 6. Click K < 4 /15 > > icons in the bottom-right corner of the menu to browse between pages of pictures, or input the page you want to browse.
- 7. You can switch the view of list form in by Click ing below icons which is show at the right bottom corner of the screen:

□ □ Thumbnails view. You can view the snapshots of the events.

- - List view. The events will be displayed in list.



List view. The events will be displayed in list.

Q Se	earch General	Events Sub-period	ts Smart Tag	External File Picture	Slice Al			O 04/12	2022 08:42:53
Date 04/1	2/2022	1 IP CH2 00:00:02	2 PCH6 00 00 02	3 P CH2 00 00 07	4 IP CH6 00:00:07	5 P CH2 00:00 12	6 IP CH6 00 00.12	7 IP CH2 00:00:17	BPCH6 00 00 17
		9 IP CH2 00:00:22	10 IP CH6 00:00:22	11 IP CH2 00:00:32	12 IP CH6 00:00:32	13 P.CH7 00:00:32	14 IP CH7 00:00:32	15 IP CH2 00:00:37	16 IP CH6 00:00:31
ime 00:0	0:00 23:59:59	17 IP CH2 00 00:42	18 IP CH6 00 00 42	19 IP CH7 00 00:42	20 IP CH7 00:00:42	21 P CH2 00:00 47	22 IP CH6 00:00 48	23 IP CH2 00:00:52	24 P CH7 00 00 52
		25 IP CH7 00:00:52	26 IP CH6 00:00:53	27 IP CH2 00 00 57	28 IP CH6 00:00:58	29 P CH2 00:01:02	30 IP CH7 00:01:02	31 P CH6 00:01:03	32 IP CH7 00:01:04
earch Typ	The second s	33 IP CH2 00:01:07	34 IP CH6 00:01:08	35 IP CH2 00 01 12	36 IP CH7 00:01:12	37 P CH6 00 01 13	38 IP CH7 00:01:14	39 PCH2 00:01 17	40 IP CH6 00:01:11
Norma	Motion	41 IP CH2 00/01/22	42 IP CH7 00:01:22	43 IP CH6 00:01:25	44 IP CH7 00:01:24	45 IP CH2 00:01:27	46 IP CH6 00:01:28	47 IP CH2 00:01:32	48 IP CH7 00:01.3
<b>I</b> O	V PIR	49 IP CH6 00 01 34	50 IP CH7 00:01:34	51 P CH2 00 01 37	52 IP CH2 00:01:42	53 P CH6 00 01 42	54 IP CH7 00:01:42	55 IP CH7 00:01:42	56 IP CH2 00.01.4
Manua		57 IP CH6 00:01 47	58 IP CH2 00:01 52	59 IP CH6 00 01 52	60 IP CH7 00:01:52	61 P CH7 00 01 52	62 P CH2 00.01 57	63 IP CH6 00:01 58	64 IP CH2 00 02 0
The second second		65 IP CH6 00 02:02	66 IP CH7 00:02 02	67 P CH7 00:02:04	68 IP CH2 00:02:07	69 P CH6 00 02:08	70 P CH2 00 02:12	71 P CH7 00:02:12	72 IP CH6 00.02.1
hannel 💽	2	73 IP CH7 00:02:15	74 IP CH2 00:02:22	75 P CH2 00:02:22	76 IP CH6 00:02:22	77 P CH7 00:02:22	78 IP CH2 00 02:27	79 IP CH6 00:02:27	80 P CH6 00:02:3
		81 IP CH7 00 02:32	82 P CH2 00.02:33	83 IP CH7 00 02:34	84 IP CH5 00:02:37	85 P CH2 00:02:38	86 IP CH6 00 02 42	67 IP CH7 00:02:42	88 IP CH7 00 02 4
	T-cover123-CH1	89 IP CH2 00.02.43	90 P CH2 00:02:47	91 IP CH6 00 02 47	92 IP CH5 00 02:52	93 P CH7 00 02 52	94 IP CH2 00 02 54	95 IP CH7 00.02.55	96 IP CH2 00 02 5
	T-CH21@1%#%#*\$&*s	97 IP CH6 00.02.57	98 P CH2 00:03:02	99 P CH6 00 03:02	100 IP CH7 00:03:02	101 P CH7 00:03:04	102 IP CH2 00 03:07	103 IP CH6 00:03:08	104 IP CH2 00.03 1
	T-CH3sdfa;lsfkl@*%o T-CH4adsnjajkl75545	105 IP CH6 00:03:13	106 IP CH2 00:03:18	107 P CH6 00:03:18	108 IP CH2 00:03:23	109 P CH6 00:03:23	110 P CH2 00:03:28	111 IP CH6 00:03:29	112 P CH2 00:03:3
	T-CH5adsajdkhndhasd	113 IP CH6 00.03 33	114 P CH2 00:03:38	115 P CH6 00 03:38	116 IP CH2 00:03:42	117 P CH7 00:03:42	118 IP CH6 00 03 43	119 P CH2 00:03 52	120 P CH6 00:03 5
	T-CH6	121 IP CH7 00:03:52	122 P CH7 00:03:52	123 P CH2 00 03 57	124 IP CH6 00 03 57	125 P CH2 00 04 02	126 IP CH7 00 04 02	127 IP CH7 00:04:02	128 P CH6 00:04 0
	T-CH7	129 IP CH2 00 04 07	130 IP CH6 00:04:07	131 P CH2 00 04 12	132 IP CH6 00:04:12	133 P CH7 00:04:12	134 IP CH7 00.04-14	135 IP CH2 00:04:17	136 IP CH6 00 04 1
	T-CH8	137 IP CH7 00 04 22	138 P CH2 00 04 23	139 P CH6 00 04 23	140 IP CH7 00:04:24	141 P CH2 00:04:27	142 P CH6 00 04 28	143 P CH2 00:04:32	144 P CH7 00.04 3
1.000	T-CH9	145 IP CH5 00:04:33	146 P CH7 00:04:34	147 P CH2 00 04 37	148 IP CH6 00:04:38	149 P CH2 00:04:42	150 IP CH6 00 04 43	151 IP CH2 00:04:47	152 IP CH6 00:04
		153 IP CH2 00 04 52	154 IP CH6 00:04 53	155 IP CH2 00 04:57	156 IP CH6 00 04 58	157 P CH2 00 05-02	158 IP CH6 00 05 03	159 IP CH2 00 05 08	160 P CH6 00 05 0
A MILE	T-CH11	161 IP CH2 00:05:12	162 IP CH6 00:05.13	163 IP CH2 00:05:17	164 IP CH6 00:05:19	165 P CH2 00 05:23	166 IP CH6 00 05 24	167 IP CH2 00:05:28	168 P CH6 00:05.2
1		169 IP CH2 00 05 32	170 IP CH6 00.05-34	171 P CH2 00 05 38	172 IP CH6 00:05:39	173 P CH7 00:05:42	174 IP CH2 00 05 43	175 IP CH6 00:05:44	176 P CH2 00 05 5
		177 IP CH6 00:05:52	178 P CH7 00:05:52	179 P CH7 00 05.52	180 IP CH2 00:05:57	181 IP CH6 00:05:57	182 IP CH2 00 05:02	183 IP CH6 00.06:02	184 P CH7 00.06.0
× 100	T-CH14	185 IP CH7 00:06:02	186 P CH2 00:06:07	187 IP CH6 02:05:07	188 IP CH2 00 05:12	189 IP CH6 00.06 12	190 IP CH7 00 06 12	191 IP CH2 00:00:22	192 P CH6 00.06 2
<ul> <li>1</li> </ul>	T-CH15	193 IP CH7 00.06.22	194 IP CH7 00.06:22	195 IP CH2 00 06 27	196 IP CH6 00:06:27	197 P CH2 00:06:32	198 IP CH7 00 06 32	199 IP CH7 00.06 32	200 P CH6 00 06 3
		201 IP CH2 00:06:37	202 IP CH6 00:06:37	203 IP CH7 00 06:42	204 IP CH7 00:05:42	205 P CH2 00.06 43	206 IP CH6 00 06 43	207 IP CH2 00:06:48	208 P CH6 00 06 4
	Q	209 IP CH7 00.05 52	210 P CH2 00:06:53	211 IP CH6 00 06:53	212 IP CH7 00:06:54	213 P CH2 00:06:57	214 IP CH6 00.06.58	215 P CH2 00:07:02	216 P CH7 00:07:0
		217 IP CH6 00 07 03	218 P CH7 00:07:04	219 P CH2 00:07 08	220 IP CH5 00 07:08	221 P CH2 00:07:12	222 IP CH6 00:07:13	223 P CH2 00.07.17	224 IP CH6 00 07 1
		225 IP CH2 00:07 22	226 P CH6 00.07:23	227 F CH2 00 07:28	228 IP CH6 00:07:29	229 P CH2 00 07:33	230 IP CH6 00 07 34	231 P CH2 00.07 38	232 IP CH6 00 07 3
formation		233 IP CH2 00:07:43	234 IP CH6 00:07:44	235 P CH2 00 07 48	236 IP CH6 00:07:49	237 P CH2 00:07:54	238 IP CH6 00 07:54	239 P CH2 00:07 59	240 P CH6 00:07:5
hannel: me:						*			
ype: ize:		Descending Order	Select 💽	3			Selected: 0 Total Size	e:0B Browse Typ	

Detailed view. You can view the details of the events.

				-				
te 04/12/2022		Channel	Туре	Date	Time	Size	Playback	
		IP CH2	м	04/12/2022	00:00:02	62KB		
me 00:00:00 * 23:59:59		IP CH6		04/12/2022	00:00:02	87KB		
arch Type 🛛 😴		IP CH2		04/12/2022	00:00:07	67KB		
		IP CH6		04/12/2022	00:00:07	88KB		
Normal 🗹 Motion		IP CH2		04/12/2022	00:00:12	65KB		
io 🗹 Pir		IP CH6		04/12/2022	00:00:12	87KB	Ð	
Manual		IP CH2		04/12/2022	00:00:17	65KB		
		IP CH6		04/12/2022	00:00:17	86KB		
innel 🔽		IP CH2		04/12/2022	00.00.22	67KB		
		IP CH6		04/12/2022	00 00 22	89KB		
T-cover123-CH1		IP CH2			00:00:32	64KB		
T-CH2\@!%#%#^\$8^s		IP CH6		04/12/2022	00:00:32	87KB	Ð	
T-CH3sdfaJsfkl@*%o T-CH4adsnjajkl75545		IP CH7			00:00:32	92KB		
		IP CH7		04/12/2022	00:00:32	92KB		
		IP CH2				64KB		
T-CH6 T-CH7		IP CH6		04/12/2022	00:00:37	88KB		
T-CH8					00.00.42	63KB		
T-CH9		IP CH6		04/12/2022	00:00:42	86KB		
T-CH10		IP CH7		04/12/2022	00:00:42	91KB		
T-CH11		IP CH7		04/12/2022	00:00:42	91KB		
T-CH12		IP CH2		04/12/2022	00:00:47	62KB		
		IP CH6		04/12/2022	00:00:48	88KB		
		IP CH2		04/12/2022	00:00:52	62KB		
T-CH15	24	IP CH7		04/12/2022	00:00:52	91KB		
		IP CH7		04/12/2022	00:00:52	91KB		
Q		IP CH6		04/12/2022	00:00:53	86KB		
		IP CH2		04/12/2022	00 00 57	65KB	•	
		IP CH6		04/12/2022	00:00:58	88KB		
ormation		IP CH2		04/12/2022	00:01:02	60KB		
annel: IP CH2	30	IP CH7	м	04/12/2022	00:01:02	91KB	•	
He: M					*			

- 8. When you Click the left button of your mouse upon one of the pictures, system will show the picture information on the left bottom corner of the screen.
- 9. Check the box next the number of the event to select files, or check the box next **Select** to select all pictures in the page.
- 10. The number of selected files, total size information will be displayed at the right bottom of the screen.
- 11.After selecting file, you can Click Dutton to save the pictures to USB flash drive. Or Click

button to go into picture preview control window.

#### 7.1.7.1 Picture Preview Control



1. Picture List, you can select the pictures here.

- 2. Click Dutton to save your selected pictures to a USB flash drive. Click button to view the pictures in slideshow.
- 3. Press button to exit preview control window and go back to picture search window.

Press III button to pause, press  $\triangleright$  to resume slideshow.

Press  $\bowtie$  button to display previous snapshot or group of snapshots, press  $\bowtie$  to display the next snapshot or group of snapshots.

Click button to view a single snapshot at a time, Click button to view four snapshots at a time, press buttons to view nine snapshots at a time.

### 7.1.8 SPLIT PLAYBACK

Video playback allows you to see 60 minutes of video clips within an hour on a certain day, a certain month, a certain year, with 1 minute for each clip.

Q Sea	arch General Events Sub-period	ds Smart Tag	External File Pi	cture Slice Al	•			O 04/12/2	2022 08:33:37 🗙
StreamType	Mainstream	T-cover123-CH	1, 2022.04.11, 0 -	59Min					
View Mode	Channel	19:05:00	18.01.00	19.02.00	19-03-00	TE ON ID	19.00		191251
Channel	Year 2022	Color -	Contraction of the	a la h	a start	Contractor	C Det		and and
T-cover1	100 1011	10.05.00	13 (13 (1)	10.10.00	181100	19152.00	181500		19-18-00
T-CH2Ng	Month								
T-CH3sd T-CH4ad	13 回 14 <mark>4</mark> 5 回 2 回 2 回 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Sell's	100	100	1.15	100	A Los	1	Contra la
T-CH5ad		19.16(0)	19 17 00	1016.05	18 10 05	192010	182100	1027.00	19.22101
	Day	A L	A A	A A	MA.	AL.	Para L	POLA-	
T-CH7 T-CH8	15 22 2 4 5 5 5 7 6 9 10 11 12 18 14 15 16 17 16 18 18 26 25 25 25		16	10	12	-162	10	100	16
		10,14:00	CAN T		1827.00	192610	14,2400		19,41.00
T-CH10 T-CH11		C A Start	Contractor	Contractor	C C Set	Contractor of the	and and	C AL	and and
T-CH12	Hour 00 01 02 03 04 05 06 07 08 09 10 11	19.32 00	18.5105	18,9108	193600	19.20.00	19.37.05	19.36.00	19.20.00
	12 13 14 15 16 17 18 <mark>19</mark> 20 21 22 23				T ANS		TAN S		
		1215	A SUS	1.15	1.	A STA	A SIL	1.15	Carlos
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1.Select channel and stream

2. Select the channel and date to play

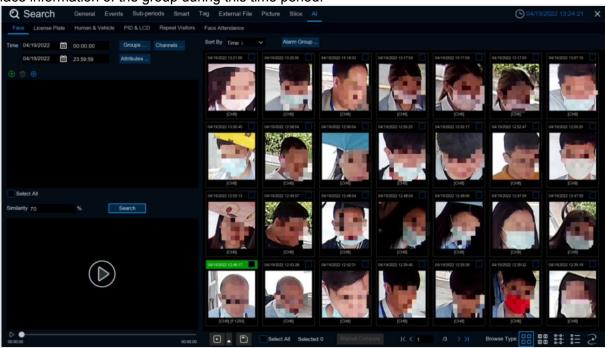
3. The results that meet the search criteria are displayed in the form of a list. You can use the left mouse button on one of the events to play the video in a small window.

4. Small window play preview. Click the enlarge button in the upper right corner of the small window to enter full screen play mode.

## <mark>7.1.9 Al</mark>

### 7.1.9.1 Face

Select the date, time, channel and face group and Click search, you can search the everyone face information of the group during this time period.



1. Click  $\textcircled{}^{\textcircled{}}$  to customize to add the search face.Choose **Groups** to select the face pictures of the whole group of the face database for comparison search.

2. Click **Channels** to select the channel for the search

3. Click **Attributes** to set the face attribute conditions for the search, and you can choose to select Gender, Age, Mask, Glasses and Expression

4. Click Alarm Groups to select the face group where the face contrast has occurred

5. Select the search area picture, Click to delete the picture, Click to pop up to the Al face database setting interface.

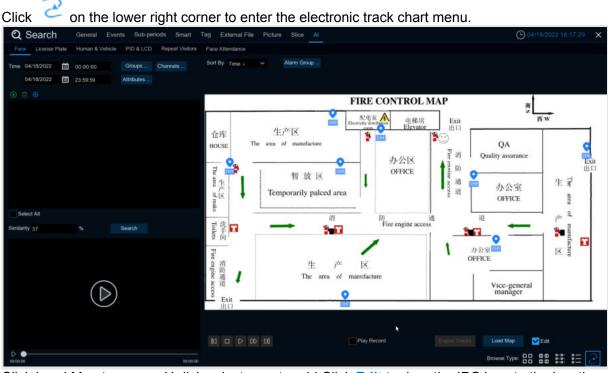
6. Right-select **Import To** in the search results to import this image into the face database grouping.

7. In the search results, right-select **Detail Information** to view the details of the face.

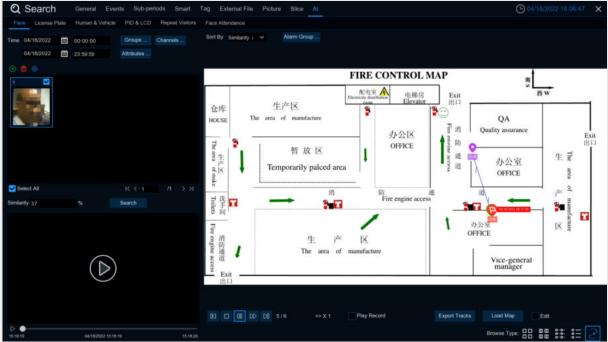
8. **Click Custom Playback** to enter the time when the face is detected for playback.

9. Click  $\stackrel{\texttt{BB}}{\texttt{B}}$  to view the different viewing methods.

#### 7.1.9.1.1 Tracks



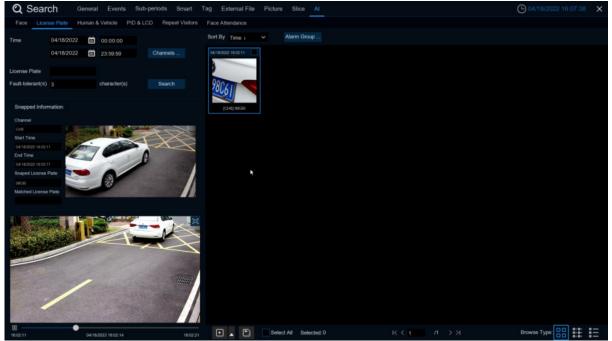
Click Load Map to pop up U disk,select map to add.Click **Edit** to drag the IPC icon to the location you want to place, unchecked and exit edit mode. Then Click select the face from the local face library or U disk, click search (only support one face search), you can search out the IPC that has detected the face, there will be a color mark on the map.



If you click the left button on an IPC icon and play back, there will be a simple playback in the lower right corner. If multiple IPC detect the face, the point playback will automatically judge the person's movement and introduce an arrow.

#### 7.1.9.2 License Plate

If the alarm is triggered and the video is recorded, you can view the video details or export in this interface.



Time:Set the time period to query the license plate detection event. The date can be set by

clicking 🔲 on it.

License Plate: Filter and query according to the license plate information.

**Fault-tolerant:** Fault tolerance rate, such as when set to three characters, the white list in the group is B594SB, and also triggered when a license plate number of B734KB enters the monitoring area. That is, the detection license plate number has 0~3 characters and the database license plate number is different will be identified.

Snapped Information: Details of the alarm event, with the following five items:

Channel:channel selection

Start Time: Start time of the event.

**End Time:** End time of the event.

**Snapped License Plate:**The license plate number captured by the camera by taking the license plate photo.

Matched License Plate: License plate number obtained from the database.

Sort By: Event videos are sorted by time.

Channels:License plate detection events triggered by each channel

Search: Query according to the selected settings.

Alarm Group:Select the different groups in the database to compare and search for the display results.

This function is to click the triangle icon in the lower right corner of the event video when selected: 5s, 10s, 20s, 30s, 1min, 2min, 5min, 10min, Custom Playback. If 30s, the video will be extended by 30 seconds.

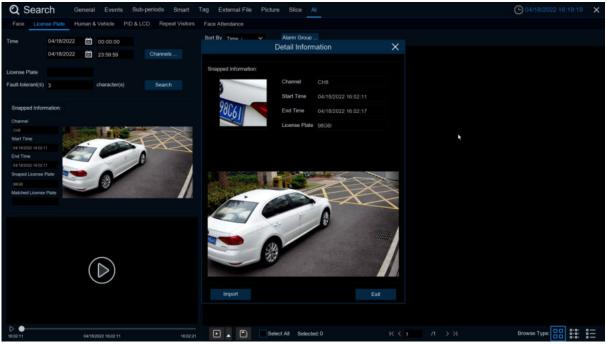
You can back up the video to the U disk, the video format support RF, AVI, MP4 three.

All videos are selected and the number of videos selected.

Click to turn the page.

Select All Selected 2

#### Click to select different views. Choosing an event right-click pop two features: Detail information:View the event details.

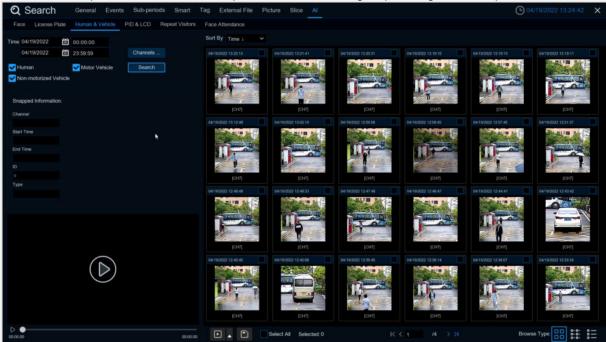


**Custom Playback:**Playback settings, click to set how long the event plays earlier and how long it delays. The maximum time limit is 10Min.

Double-click the event or drag to the bottom-left corner to play the event video.

#### 7.1.9.3 PD & VD

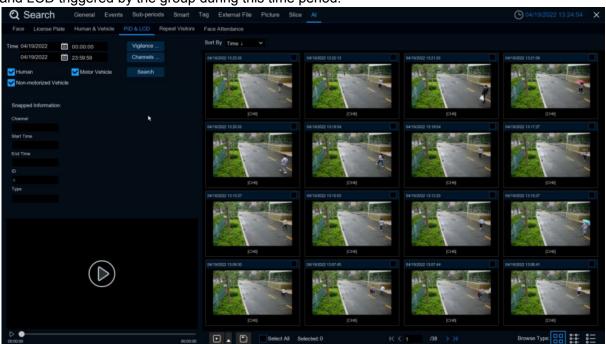
After selecting the date, time, channel, and pedestrian and car shop type, click to search to search for the pedestrian and car shop information of the group during this time period.



Left click will have basic information on the left side, right click will customize playback and view details. Click on the lower left corner to play for simple playback, double-click to zoom in, and enter the normal playback mode.

### 7.1.9.4 PID&LCD

Select the date, time, channel, and alert type, and the person and car type to search for the PID and LCD triggered by the group during this time period.



Left click will have basic information on the left side, right click will customize playback and view details. Click on the lower left corner to play for simple playback, double-click to zoom in, and enter the normal playback mode.

### 7.1.9.5 Repeat Visitors

QS	earch	General Event	s Sub-period	s Smart 1	Tag External File	Picture Slice A	d.			<b>(</b> ) 04/19	2022 13:37:08 🗙
Face	License Plate	Human & Vehicle	PID & LCD	Repeat Visitors	Face Attendance						
Time	04/19/2022	00:00:00			Sort By Frequency 4	<ul> <li>Minimum Oo</li> </ul>	currences 1				
	04/19/2022	23:59:59	Attributes		F1635	qibivliang	Stranger	Stranger	Stranger	Stranger	Stranger
Min Interva	50		Search				1	1			
Similarity	50		Search			18. ·	1 -	1000		200.00	
	Channel	Start Time	End Time	Playback				C. Cont	1		
					Appeared times: 4	Appeared times: 3	Appeared times: 3	Appeared times: 3	Appeared times: 3	Appeared times. 2	Appeared times: 2
					Stranger	Stranger	Stranger	linhongwen	Stranger	F1224	Stranger
						Sec. 1				-	1000
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					Appeared times: 2	Appeared times: 2	Appeared times: 2	Appeared times: 2	Appeared times: 2	Appeared times: 2	Appeared times: 2
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0.00.00					\$ • •	Select All	Selected: 0				

Here you can search and count all the number of times the same face has appeared.

1. Select the date and time that you want to search for.

2. Select the face library group you need to contrast and search groups by default.

- 3. Select the channel that you need to search for.
- 4. Select the corresponding face attribute in the face attribute **attribute** interface.
- 5. Enter the minimum number of seconds separated by interval.

6. Left click the search results, click the search results, on the left there will be detailed playback and information, right click to import the face library or edit the face library picture information and view the details.

7. Enter the **Minimum number** of face appearances at Minimum Occurrences for filtering

8. Click Sort By to sort, with a rise or down order of time or quantity

9. Check the search results or click All to select all the search results, click *i* icon to

customize the play, or click to backup the picture and video to the USB flash drive.

#### 7.1.9.6 Face Attendance

The attendance system lets you check to see if someone appears at the specified time. And automatically determine whether they are late or leave early.

Q Search General Events Sub-periods	Smart Tag External	File Picture Slice	AL	O4/18/2022 17:27:46 ×
Face License Plate Human & Vehicle PID & LCD Rep	peat Visitors Face Attendance	0		
Channels Select Mode By Group 🗸 🔀	On Duty 1	Fime 06:30:00	Off Duty Time 17:30:00	Refresh Export Send Email
Date Day Week Month Custom Today	No. Name	Group Detail	Late Leave Early Absence	
04/18/2022 🛗 — 04/18/2022 🛗				
Working Days Sun. ✔ Mon. ✔ Tue. ✔ Wed. ✔ Thu. ✔ Fri. Sat.				
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Select All         I <td< td=""><td></td><td></td><td>🗸 Normal 🔿 Late 🗲 Los</td><td>ave Early 🔄 Late and Leave Early 🚫 Absence</td></td<>			🗸 Normal 🔿 Late 🗲 Los	ave Early 🔄 Late and Leave Early 🚫 Absence
Search				
$\bigcirc$				
00:00:00	00 01 02 03	04 05 06 07	08 09 10 11 12 13 14 15	16 17 18 19 20 21 22 23 24

1. **Channels**: Select the channel for face attendance

2. Select Mode: Select the face picture of attendance, with By Group and By Person modes By Group: Select face pictures through the face group, that is, add shuffling all face pictures.

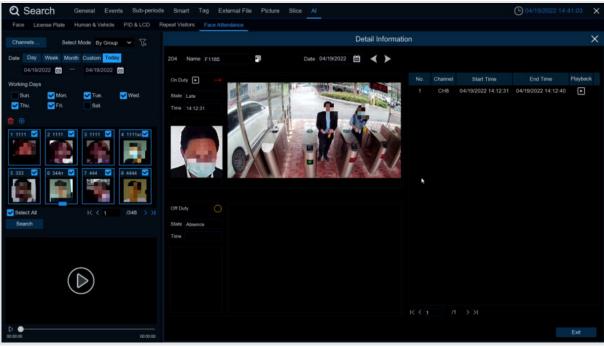
By Person : Through the face map selection, click the right button of By Person to pop up the face map interface of the selected face library.

3. **Date**: Select the search date, the default is the system time day, and there are five selection modes: Day, Week, Month, Custom, and Today.

- 4. Working Days : Select the working days
- 5. **On Duty Time**: Set up the working hours
- 6. **Off Duty Time**: Set up the closing time
- 7. Click **Search**.ou can search for the results.

Q Search General Events Sub-period	s Smart Tag Exter	mal File Picture Slice	AL.					O4/18/20	022.17:27:54 ×
Face License Plate Human & Vehicle PID & LCD F	Repeat Visitors Face Attend	tance							
Channels Select Mode By Group 💙 🏹	On Di	uty Time 08:30:00		If Duty Time	17:30:00		Refresh		
Date Day Week Month Custom Today	No. Name	Group De	ital 04/18	Late	Leave Early A	bsence			
04/18/2022 🛗 04/18/2022 🛗		Group 1	0						
Working Days		Group 1	<b>I</b> O						
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Thu. Fri. Sat.		Group 1	<b>0</b>						
	5 333	Group 1	0						
8	6 344m	Group 1	0						
1 1111 🗹 2 1111 🗹 3 1111 🗹 4 1111x 🗸	7 444	Group 1	R 0						
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	9 ujjgy99o6ttjkooy	rkft Group 1	0						
5 333 🗹 6 344r 🗹 7 444 🗹 8 4444 🗹	10 Cap_10531	Group 1							
				V Normal	🛶 Late	📥 Leave Early	늘 Late and	I Leave Early	O Absence
Select All IC < 1 /348 > >1 Search									
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00:00:00 00:00:00	00 01 02	03 04 05 06	07 08 09	10 11	12 13	14 15 16	17 18 19	20 21	22 23 24

Click on a result, and all the detection records are displayed below. Click Detail on the Detail icon to enter the details interface.



Here are details on attendance, including the first appearance and the last appearance. Click **I** to perform a simple playback in the lower left corner

Click **Export** to save the searched attendance information generation file to the U disk. Click **Send Email** to send the searched attendance information generation file to the mailbox.

# **Chapter 8 Remote Access via Web Client**

Use the Web Client to remotely access your DVR at any time via a PC. Before you access the Web Client, you need to ensure that the internet settings of the DVR are configured properly.

### 8.1Basic System Environment Requirements

The minimum requirements for hardware and OS required to run Web Client are given as below.

Item	Minimum	Recommended					
CPU	Intel® Core™ i5 CPU	Intel® Core™ i5 CPU or higher					
RAM	4G or more	8G or more					
Hard Drive	500G or more	1000G or more					
Display RAM	2G or more	4G or more					
Display Resolution	1280*1024	1920*1080					
os	Windows 7 or above						
03	Mac OS X® 10.9 or above						
DirectX	DirectX 11						
Direct3D	Acceleration Function						
Ethernet Adapter	10/100/1000M Ethernet Adapter						
IE	Microsoft Internet Explorer Ver. 11,10,9,8 or above						
Mozilla Firefox	V51 or below. It doesn't support V52 or above version.						
Google Chrome	V44 or below. It doesn't support V45 or above version.						
Mac Safari	5.1 or above						

### 8.2 Web Plugin Download and Installation

To access the Web Client, do the following:

### For IE Browser:

1. Launch the explorer on your PC and enter the DVR IP address or DDNS domain name (Host Name) you have set on DVR in the URL box.

			ENGLISH	~
උ	Username			
-0	Password			
		Login		
			Recover Password	ľ

**2.** For the first time you run the web client, system will require to install the web client plugin. Click **download** to download the plugin and install to your computer.

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	Page#								
**	P8089								
H2 H3				Live video can be played only after the player plug in is installed Download and Install the player. If you have in	nstalled the player, restart your b	rouser. (Allow De	e player in your browser.)		
11.5	PASS								
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Setup - SurveillancePluginV2	10 <u></u> -		>
Ready to Install			
Setup is now ready to begin installing SurveillancePluginV2 on	your computer	•	Ċ
Click Install to continue with the installation, or click Back if yo change any settings.	u want to revie	w or	
Destination location: C:\Program Files (x86)\SurveillancePluginV2\WVR			~
Start Menu folder:			
SurveillancePluginV2\WVR			
			~

3.After installing the plug-in, close & launch again your browser and repeat step 1 to open the login page. Input your user name and password to login the web client. Note: When using Apple Safari/Google browser/Firefox browser/Microsoft Edge browser, you do not need to download the plug -in, you can log in to DVR directly.

## 8.3 Web Client Manager

The web client supports to fully control the DVR with administrator account. Please make sure to protect your user name & password for preventing illegal login.

## 8.3.1 Live Interface

This is the first screen that opens after you have logged in to the Web Client. Here you can open or close live preview, record video to local computer manually, take snapshots of the screens, PTZ control, color adjustment, etc.



- 1- Channel: Quick turn on camera channel
  - Click icon show channels list.

Click is icon shut up channels list.

- - Turn on/off live streaming.While real time streams turn on, the icon is blue.
  - Manual record, click and start to record manually. Click icon again to stop recording and the records saved to local PC. Manual recording icon shows blue which recording.



Manual capture.Click to save the snapshot to your local PC.

Bitrate icon.Camera set up main/sub/mobile streaming.Mobile stream only be used in IP channels.

#### 2- Realtime setting:

Main stream: High video quality to view on main stream.

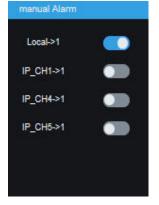
Sub stream: Middle video quality to view on main stream.

**Mobile stream:** The lowest video quality to view on mobile stream.Advantage:use smaller bandwidth,only support on IP camera.

3- Main menu:

Preview: Check realtime video on camera.
Playback: Check the records in DVRHDD drive.
Remote setting: DVR menu to set up device parameters.
Local setting: Set up Web records and picture save location, select video" file type".

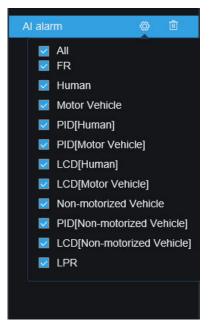
- 4- Information: Mouse stop, check system user, IE version and plug-in version .IE version and Cancel.
- 5- Manual Alarm : Manual enable /disable Alarm Out



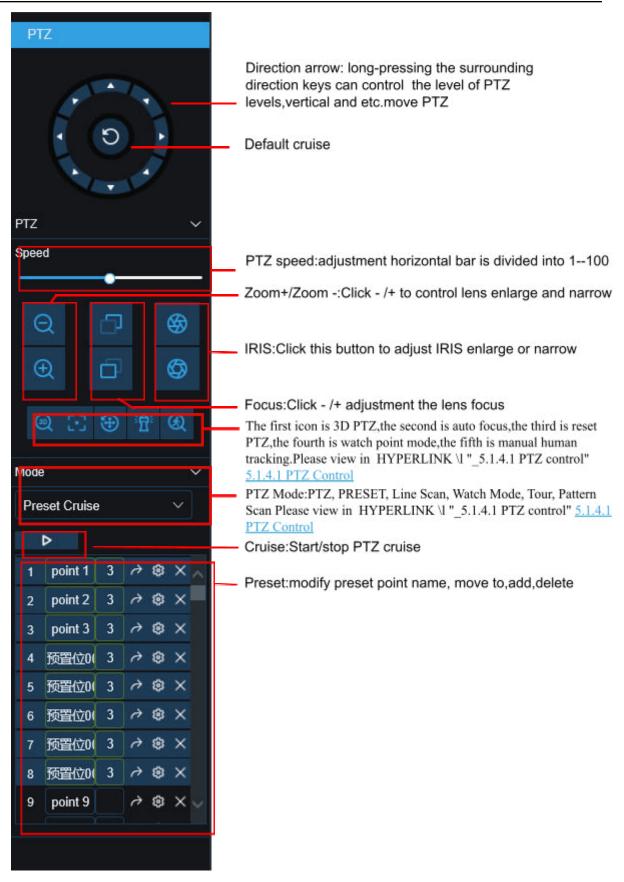
7-

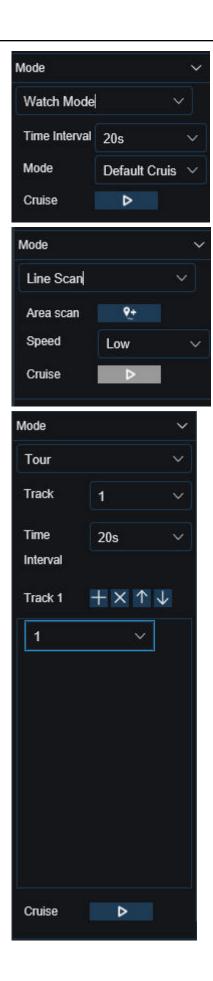
6- Color setting: Click to hidden the settings.

Color			
Hue			
Bright			
Contrast			
Saturation			
Sharpness			
Default			
Refresh			
Al alarm : Trigger Al alarm push, Click	Oick AI type detection, Click	Ē	to delete



- 8- PTZ Control: Click to show/hidden PTZ.
- 9- PTZ Control Plug-in





Watch Mode:

Time Interval: watch mode waiting time interval, the time since stop watch mode operation.

Mode:select watch mode,default/preset/line scan/tour/pattern scan

Click to start cruise.

Line Scan:

Area scan: Click to record the start position, after moving PTZ, Click to record the stop position;

Speed: Line scan speed;

Click to start line scan, PTZ start line scan.PTZ only move in the same horizontal direction on this mode.

#### Tour:

Time Interval: every point stay time.

Click to add preset point, Click to delete preset point, Click /move up/move down preset points, Click to start cruise.

Mode 🗸	Pattern Scan:
Pattern Scan V	Record: Click to record the cruise route, Click to stop record. Cruise: Click to cruise the recorded route
Track 1 V	
Record >	
Cruise D	
10- Live View Control Buttons:	
	፵≞،⊡⊙∢⊄×⊉
switch windows modes	
Cpen all of channels	
Close all of channels	
Original: display preview with orig	jinal scale
Stretch:stretch the live window to	o suitable every scale screen
full screen	
Manual record : Click the manual	recording of all the display channels. Click again to
stop recording. Manual video is saved	
Manual capture:Click to grab the	screen of all the current display channels to save to
your computer	
Digital : Click live image, Click -one	e part of image zone to enlarge.Right-click to return
back normal view.	
Volume control:adjust level volu	me +/ 🔍 Mute mode
Intercom: Click to speak with DVF	R,re-click to turn off. (Note: this function need DVR
supports)	
White light,manual control siren a	nd white light(Need IPC supports).
Siren, manual control siren to alarn	n(Need IPC supports).
click to add customize tag please	e( <u>7.1.5 TAG</u> )
	253

- 11- Guide: display the current channel number. Use direction keys to control.
- **12- Page**: Click channels to show on the screen.

### 8.3.2 Playback

			Live Play	back Remote	Setting L	.ocal Settings	0
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le: 2022-4-13							
van SubStrum v							
Normal 🔳 Manual 📕 FD							
POSVD 📕 LPO 📕 RSD							
10 📕 Motion 📕 PIR							
Intelligent 🔳 Sound Detection							
Video Tampering							
Adribute Detection							
CHE CH2							
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CHS E CHS							
CH7 CH8							
CH9 CH11 CH11 CH12							
CHI3 CHI4							
CH15 III CH16							
PCHI PCI2							
P00    P04							
POK EPOK							
PON = PON = PON = BOA 이 등 등 수						Q	
PCH9 PCH10 000 000 000 000 000	0.00						
PCH3 PCH4							
POIIS    POIIS							
Search							

You can search & play recording videos stored in the HDD inside the DVR, and download the videos to your computer.

#### To search recordings:

- 1. Click **Playback** in the top-right corner of the window.
- 2. Select a day on the calendar to search for recordings from. Days with recordings appear with a red underline.
- Select the recording type to search for from the dropdown next to Type, or select All to search for all recordings.
- 4. To choose the video stream you want to search & play. If you want to play Substream recordings, please make sure you had set the DVR to record with Dualstream at <u>5.2.2.1</u> Record.
- 5. Check the channels you would like to search for recordings from. Check **Synchronous playback** to play all channels at once.
- 6. Click Search.
- 7. Recordings that fit your search will be displayed in the timeline. Click a section of video where you would like to begin playback and Click the ▶ play button.

### 8.3.2.1 Playback Control Buttons

			Men State	W		1122101204
	1		Live Playback	Remote Setting	Local Settings	0
General Cate 2022-4-13						
Stream SubStream v						
a Al						
E PD&VD B LPD E RSD						
Intelligent Sound Datection Video Tampering						
Atribute Detection						
CHI CH2						
CH9 CH10 CH11 CH12 CH13 CH14						
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Search						
Play the Pla	recordings					
Stop						
	ard One Frame: Move	e frame-by-frame tl	hrough playback O	nlv availa	hle when	the
Synchronous	playback option is no	ot checked.	nough playback. O	ing availa		i ilic
Synchro	nous playback: Click	to play the select	ed channel at the s	ame time	at the sa	me
<u>a</u>						
	on one of the channels			record bu	itton to re	cord
current video t	o your computer. Click	again to stop reco	ording.			
	n one of the channels d save to your compute		yed and then Click	capture b	utton to ta	ake
1	e Download menu, wh		lownload several vie	deo recor	dings at o	once

		Start Time	End Time	Status	File Size
1		2021-02-20 00:00:00	2021-02-20 00:06:01	Not Downloaded	180.91M
2		2021-02-20 00:06:01	2021-02-20 00:14:28	Not Downloaded	253.81M
3		2021-02-20 00:14:28	2021-02-20 00:22:58	Not Downloaded	253.99M
4		2021-02-20 00:22:58	2021-02-20 00:31:24	Not Downloaded	253.73M
5		2021-02-20 00:31:24	2021-02-20 00:39:49	Not Downloaded	253.62M
6		2021-02-20 00:39:49	2021-02-20 00:48:19	Not Downloaded	253.86M
7		2021-02-20 00:48:19	2021-02-20 00:56:49	Not Downloaded	253.90M
8		2021-02-20 00:56:49	2021-02-20 01:05:18	Not Downloaded	253.83M
9		2021-02-20 01:05:18	2021-02-20 01:13:44	Not Downloaded	253.55M
10		2021-02-20 01:13:44	2021-02-20 01:22:10	Not Downloaded	253.46M
11		2021-02-20 01:22:10	2021-02-20 01:30:36	Not Downloaded	253.67M
12		2021-02-20 01:30:36	2021-02-20 01:39:06	Not Downloaded	253.98M
13		2021-02-20 01:39:06	2021-02-20 01:47:35	Not Downloaded	253.62M
14		2021-02-20 01:47:35	2021-02-20 01:56:01	Not Downloaded	253.58M
14	Row / Page	9		кк	1 / 14Page >
			Start Download Stop Do	wnload	

Choose the files you want to download, press Start Download button to begin, you will see the download status. Press **Stop Download** button to stop.

×1 Playback Speed. Click to choose the playing speed.

**Play All Channels:** Click to play all channels you have chosen to searched. Only available when the **Synchronous playback** option is not checked.

**Stop All Channels:** Click to stop playing all channels. Only available when the **Synchronous playback** option is not checked.

Digital Zoom: Click upon on a playing video, then Click -and-drag over an area of the video

to enlarge. Right-Click to return to the normal display.



Original Proportions: Shows the playing video at the original proportions.

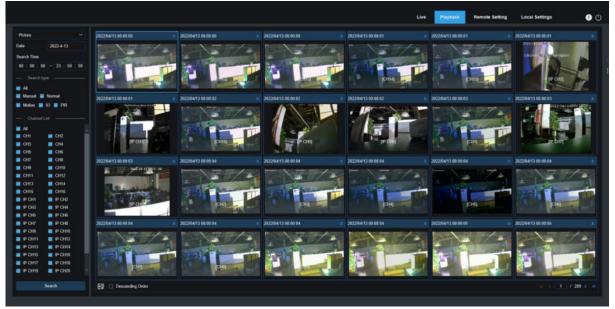


Stretch: Stretch the playing video to fit the full area for each channel on screen.

To enlarge the web client to full screen.

### 8.3.2.2 Picture playback

After setting the capture in <u>5.2.3.1 Capture</u> After setting the capture in 5.2.3, you can search the captured image here.

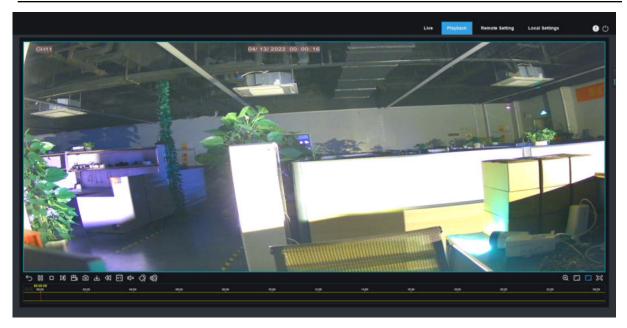


#### Search capture:

- 1. Click playback in the upper right corner of the window.
- 2. Select picture from the drop-down menu in the upper left corner.
- 3. Select a day to search on the calendar. The date with the snapshot is underlined in red.
- 4. Select the image type to search from the list in the search type menu, or select all to search all types.
- 5. Check the channel to search for videos.
- 6. Click Search.
- 7. The picture that meets your search conditions will be displayed on the right side

You can double -Click any picture to enter the small fragment back interface, Click return to the previous page.

🏷 to



## 8.3.2.3 Tag playback

								Live Playback Re	mote Setting Local Settings	0
Teg		No.	Name	Channel	Date	Time	Playback	Edit	Delete	
tart time			Teg	IP CH2	04/11/2022					
2022-4-11	00 00 00		Tag	IP CH2	04/11/2022	1327.45				
nd time										
122-4-13	23 : 59 : 59									
yword										
All										
СНІ	CH2									
	и сни									
CH5	CH6									
	CH6									
CH9	CH10									
CH11	CH12									
сніз	CH14									
CH15	CH16									
IP CH1	P CH2									
IP CHO	IP CH4									
IP CHS	IP CH6									
IP CHI7	IP CH8									
IP CHB	IP CH10									
IP CH11	IP CH12									
IP CH13	P CH14									
IP CH15	IP CH16									
IP CH17	IP CH18									
IP CH19	IP CH20									
IP CH21	IP CH22									
IP CH23	IP CH24									

Please view 7.1.5 Tag.

### 8.3.2.4 Smart playback

On <u>5.1.6 Motion</u> set up motion detection, human triggering motion detection alarm, you can find Smart Pickled Played Video.

	h												•
Smart 🗸													
Date 2022-4-7													
Search Time													
AL													
🛿 Normal 📓 Manual 🛃 FD													
PO&VD 🔛 LPD 🛃 RSD													
🛿 10 🔜 Motion 🔜 PIR													
🛔 Intelligent 📃 Sound Detection													
Video Tampering													
Attribute Detection													
сн1 📖 сн2													
	▶ □ @	ET 11- 18	w =									0.17	<b>1</b> (e)
		CT 44 6	205 00	06/25/21	95,00	- 10.00	12,00	14.00	16,00	16,00	20,00	2200	00,00
	0.0.000	02,00	64.00										

delete all selected area.

### 8.3.2.4 Al Playback

On <u>5.4 Al</u>set up AI alarm, you can search AI alarm events here. Search face detection, license plate

detection,PD&VD,PID&LCD, repeat customer,face attendance.

							Live Play	back Remot	e Setting L	ocal Settings	0
General 1											
R Picture											
ER Tag											
E N											
Face Detectio											
Human & Veh											
PIDALCD											
License Plate											
Repeat custor											
Face attendar											
r ace attendar											
CHI 🗆	012										
сна 🗆	сни 🞬										
снб 🗆	сня										
	L CH8										
	CHIE										
	CH12										
	CH14										
	CHIE										
	IP CH2										
	PCH6										
	IP CHS										
	IP CH10										
	IP CH12	65 22 19	04,00	an pe	06.01		-490	16,00	20,00		
	IP CH14										
	POH6										
Sea											

# 8.3.3 Remote Setting

Here you can remotely configure the settings of the DVR. Please see"<u>Chapter 5 DVR System</u> <u>Setup</u>" for more details on the DVR settings.

Channel CH1 CH2 CH3	Name cover123-CH1 CH2NgPSuPSuPSiAstad35us35ds1	Status D D	Switch
08			
	CH3sdia;Isliki@r%e2112		
СНя	CH4adorjaj075545		
cie	CH5adsajdkhrdhasd1322		
СНБ	CH6		
сня	047		
CHE	CH8		
сня	CH9		-
0110	CHI0		
CHII	CHI1		
CHI2	CH12		
CH13	сніз		
сни	CH14		
CH15	CH15		
CHIE	CHIG		
	CH5 CH5 CH8 CH8 CH8 CH9 CH9 CH12 CH12 CH12 CH13 CH13 CH14 CH15 CH15 CH15 CH15 CH15 CH15 CH15 CH15	Of6         Offsølsøkenhand1322           Gris         Gris           Gris         Gris	Of6         OffsetupAtivaturd1322         IP           Or6         Or6         IP           Or6         Or6         IP           Or6         Or6         IP           Or6         Or8         IP           Or8         Or9         IP           Or9         Or9         IP  <

## 8.3.4 Local Setting

Set download locations for recordings and snapshots taken using Web Client, and choose file type for video files.

Path configuration					
Record Path	D:\Device\Reco	rd	Ð		
Download Path	D:\Device\Down	load	Ð		
Snapshot Path	D:\Device\Captu	ire	Đ		
File type	MP4	$\sim$			
Capture Type	JPG	~			
	Save				

**Record Path:** Click to browse for and select the folder where you would like the manual video recordings to be saved on your computer.

**Download Path:** Click **to** browse for and select the folder where you would like to save the download video recordings to your computer.

Snapshot Path: Click to browse for and select the folder where you would like the manual capture snapshots to be saved on your computer.

File Type: Choose your preferred file type for manual recordings.

Capture Type: Choose your preferred file type for manual capture.

Save: Click to save the modifications.

# Chapter 9 Viewing Backed Up Video on

# PC/Mac

This section will help you to play the backup files with the powerful video player which is attached in the CD.

For Mac users, please install the app "VideoPlayer\_x.x.xx\_xxx\_xx\_x.dmg", for example: VideoPlayer\_1.0.15\_2017\_01\_6.dmg.

For PC users, please install the software "VideoPlayer\_x.x.xx\_xxx\_xx\_xx.exe", for example: VideoPlayer\_1.0.15\_2017\_01\_06.exe.

#### **Minimum System Requirements**

- Intel Pentium 4 or above
- Microsoft Windows XP / Vista / 7 / 8 / 10
- 256MB RAM
- 16MB video memory
- 1. Install the Video Player software in the CD and run.

videoriayer									<u> </u>		<u> </u>
Play List	+	Ô	11	۴.	eady			Ø	Ж	*	22
					Vid	eo Pla	ayer •				
					:00:00				—	00:0	00:00
					≣≜ ≪ (▶) ≡			<b>i</b> ¶⊘——		-	▦

2. Copy the backup files to your computer.

Click **Open File** button or Click **+** button on the Play List to load single or multiple video files. It supports to add & play ".rf", ".avi", ".mp4", ".264" and ".265" files. Click **v** button to load a folder with backed-up videos.

Video Player Control



#### 1. Play List

🛨 Add files

🔟 Remove files

To choose play mode: play a single file and stop; play all listed files by sequence; repeat one file; repeat all files.

📰 Filter by file name

2. 📰 Hide/Show Playlist

Click to open files or load a folder.

#### 3. Play Controls

💽 Play

🔟 Pause

Stop

**4**. ())------

- Play frame by frame. Click once to play a frame of the video
- Slow Play, 1/2, 1/4 and 1/8, 1/16 speed
- Fast Forward, x2, x4, x8 and x16

### Volume control

Multi-screen play. It allows to play multiple videos at a time. When you choose multi-screen, you can drag the video in Play List to the play screen.

5. 🔯 Take snapshot

To save a video clip to your computer. Press once to start, press again to end the video clip.

- Keep the video player on top
- Enlarge the video play screen to full screen

6. Advanced Setup Menu allows to choose the OSD language of the video player, and configure the setting of video player.

Settings			×
	Ö Ö		
	Basic Capture		
	<u> </u>		
Sitck on Top:	O Stick on Top When	Diaving	
	Never Stick on Top	Playing	
	O Always Stick on Top		
	C / 0.0.2) * 0.000 / 0.0		
Save List File Whe			
Save List File with	en exil		
Restore	OK	Cancel	Apply

Basic Settings: Set on-top mode

Settings	<b>ë</b> Basic	Capture		×
Output Settings:				
Format:	PNG	<u> </u>		
Saving Path:	C:/Users/Admi	nistrator/ Bro	wse	
Restore		ОК	Cancel	Apply

Capture Settings: Set the format and the path to save snapshots.

# **Chapter 10 Remote Access via Mobile**

# **Devices**

DVR supports remote access through mobile devices based on Android and iOS operating systems.

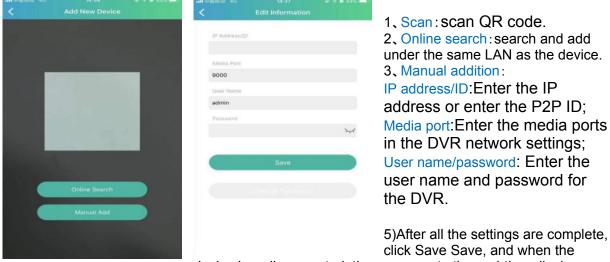
- 1) Android mobile phone , search RXCamView in Google Play Store. Or iOS mobile phone search in App Store and install.
- 2) Run the application and will display a real-time view screen.

C App Store at	4G	14:24	@ 7 Ø	87%
2				숩
[	No Cha	innel		
Ō	Ĉı	⊞	⊲×	Q

3) Click 2 icon to turn on menu,select "device list ",Click "+"to add devices.

RXCamview	• 87% <b>一</b> )	C App Store atl 4G	14:25 Device Manager	@ 4 @ 87% <b>=</b> ) +
RXCamvlew			IP	C/NVR/DVR
C Remote Setting				CUBE
(2) Local Config				
File List				
Device List	628			
Notifications				
Y Help				
(1) About				
	Q			

4) Select "Manual Add", enter DVR information to add new device.



click Save Save, and when the

device is '---'l connected, the app goes to the real-time display. 1 ligle window display

16 0 no:5MP Entry Level 2.8-12mm 

NVR Demo ſ  $\triangleleft \times$ 0 Ĉ Ħ **⊲**× 4 windows display 6 windows display 8 windows display 9 windows display 16 windows display

NOTE: The app displays up to 16 channels in one screen interface, and you can swipe the screen to the next screen to view the other 16 channels, for a total of 80 channels. Capture : capture the image of the selected channel picture, and save it in the APP file list, which can be downloaded to the mobile phone

Record: Video recording: Record the selected channel screen, save it in the APP file list, and you can download the recorded video to the mobile phone in the file list

Audio: Enable or disable volume

- O Intercom: Two-way device intercom(Need DVR supports)
- TZ Control(Need IPC supports)

Close channel: Press and hold down the video image, this icon appears above the window, arag the video to this icon, and close the video preview.

# **Chapter 10 Appendix**

## **10.1 Troubleshooting**

- Q: What can I do if the system does not detect the HDD?
   A: Check if the power supply system is properly connected and data cord and power cables are securely connected, and if something wrong with the HDD interface. Or you may check if your HDD is supported by referring to the specifications or descriptions.
- 2. Q: I have changed the password but forget the new password, how can I access the system? A: If you forget system password, please consult with our technical personnel. We strongly suggest user to set password easy to be remembered and relatively safe. If you have safety requirement, please do not set very simply password, such as 000000.
- Q: We see abnormal video signal or even no video signal by connecting the DVR and camera together. Power supply for both devices is OK. What is wrong?
   A: Check network cable at DVR side to see if the cable is firmly connected and if it is worn out and needs to be replaced, or to check if NTSC or PAL is selected consistently.
- Q: How to prevent DVR from being influenced by heat?
   A: The DVR needs to dissipate heat while it is running. Please place the DVR in a place with good air circulation and away from heat sources to ensure stability and life of the DVR.
- 5. Q: The remote controller of DVR doesn't work while the monitor screen is OK and panel keys are functional. Why?

A: Operate again by aiming the remote controller at the IR receiver on front panel. If it still doesn't work, please check if the batteries in the remote controller are dying. If not, check if the remote controller is broken.

- Q: I want to take out HDD from my PC and install it in DVR. Can it work?
   A: All HDDs supported by the system can be used. But remember, once DVR runs, the data on your HDD will be lost.
- 7. Q: Can I playback while recording?
  - A: Yes. The system supports the function of playing while recording.
- Q: Can I clear some records on HDD of DVR?
   A: In consideration of the file security, you may not clear part of records. If you want to remove all the records, you can format HDD.
- 9. Q: Why can't I log in DVR client?
  A: Please check if the network connection settings are correct and RJ-45 port is with good contact. And check if your account and password are correctly input.
- 10. Q: Why can't I find any records during playback?A: Please check if the data line connection for HDD is OK and system time is properly adjusted. Try a few times and restart. If it still doesn't work, check if the HDD is broken.
- 11. Q: Why DVR cannot control PTZ?
  - A: Please check if:
    - a) PTZ in the front side is malfunctioned.
    - b) Setting, connection and installation of PTZ decoder are not correct.
    - c) PTZ setting of DVR is not correct.
    - d) Protocol of PTZ decoder does not match that of DVR.

- e) Address of PTZ decoder does not match that of DVR.
- f) If many decoders are connected, the farthest side of AB line of PTZ decoder should be added 120Ω resistance to realize reflection suppression and impedance matching. Otherwise, PTZ control will be unstable.
- 12. Q: Why doesn't dynamic detection work?
  - A: Please check if the motion detection time and motion detection regional setting are correct and if the sensitivity is set too low.
- 13. Q: Why doesn't alarm work?
- A: Please check if the alarm setting, alarm connection and alarm input signals are correct.
- Q: Why does buzzer keep alarming?
   A: Please check the alarm setting, check if motion detection function is enabled and object motion is detected all the time and if I/O alarm is set as Always Off. Besides, refer to corresponding HDD alarm setting.
- 15. Q: Why can't I stop recording by pressing "STOP" button or Click "Stop Recording" in context menu?

A: Pressing Stop or Stop Recording can only stop manual record. If you want to stop Scheduled recording in certain time quantum, please change the setting to No Record. To stop Startup recording, please change record mode to scheduled recording or manual recording. Then you may stop recording by the prescribed methods. And another way of stopping recording is to set channel as off status in record setting.

# **10.2 Usage Maintenance**

- 1. To shut down DVR, please firstly shut down the system and then turn off the power. Do not turn off the power directly or HDD data will be lost or damaged.
- 2. Please keep DVR away from heat sources or places.
- 3. Clean the internal dust regularly. Make sure the good ventilation of DVR so as to ensure the good heat dissipation.
- 4. Please do not hot plugging audio and video cables, or cables connected to ports like RS-232 or RS-485. Otherwise the ports will be damaged.
- 5. Please check the HDD cable and data cable regularly to see if they are ageing.
- 6. Please prevent the audio and video signals of DVR from being intervened by other electronic devices, and prevent the HDD from being damaged by static electricity and induced voltage. If the network cable is frequently plugged, it is suggested to replace connecting line regularly, or the input signal may be unstable.
- 7. This is a class of product. It maybe bring wireless interference in life. Under this situation, it need user to make measures.

### 10.3 Accessories (For reference only)







Power Adapter

Warranty Card

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