

Version 13.0.0

Standard allPIXAevo 16K CoaXPress

Component Versions

Variant	Version
Bitstream	30.2.0
Application/XML	21.1.0
Bootfile	25.1.0
Feature Reference	21.1.0
Gamma	KaxGamma03_10

Notes

Changes and new Features

- Internal refactoring regarding the LED-Flashing.
- Minimum **GainControlRegionOffsetY** and **GainControlRegionHeight** is now 1.
- Log mainboard temperature every 5°C temperature change.
- More temporary freedom in configuring the **MasterSlaveSource/MasterSlaveOutput** features.
 - The validity will be checked before **AcquisitionStart** or during **AcquisitionArm**
- Checking the **LedFlashSequenceTime** parameter depends on the LineStart trigger now.
- Added NoCache for **MasterSlaveSourceReg** node for feature update when selecting Default.
- Internal refactoring of BPC component

Bug Fixes

- Fixed bugs related to LED-Flashing
- Fixed the bug of led flash control in speed2high case
- Fixed Bugs regarding loading the **Gamma**
- Fixed sensor shut down during over heat. (issue for some hardware)
- Fixed the bug in checking line time when led flashing is active.
- Fixed the bug in updating the **MasterSlaveSource** user set entry. (Update from old user set less than 13.0.0)
 - Related to internal line.
- Fixed the bug in setting **MasterSlaveOutput** to off.
- Fixed bugs related to gain control region.
- Fixed the bug for **BinningHorizontal** when used with **ImageCalibrationLineDistance**. (Related to DVAL relaxation)
- Fixed bug of failing discovery with Matrox/Zebra Grabbers if no region is on.

Incompatibilities

- LED-Flashing
 - In order to fix LED-Flashing issues the minimum **LedFlashSequenceTime** has been increased by 0.5us.
 - This refers also to the minimum value during the triggered mode.
- **ImageStreamWidthReg** feature will not return 0 anymore if no region is enabled, but the sensor width.

Errata

- Using LED-Flash and MasterSlave mode together will not work for the slave camera.
 - Independently the features are working.
- LED-Flash
 - Issues may occur when the sequence period is close to the min sequence time when using 4 patterns and **PixelFormat** *RGB10* or *RGB12*
- After changing the **CxpLinkConfiguration** the first line of the first transferred image may be corrupt.

Docs