Release Notes Firmware Version 13.0.0

We welcome any suggestions, questions, and bug reports.
Please send your enquiries to: support-konstanz@alliedvision.com

Camera series: allPIXA evo 16K CXP

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 sequenece 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.