

Release Notes Firmware Version 2.7.0

We welcome any suggestions, questions, and bug reports.

Please send your enquiries to: support@chromasens.de

Camera series: allPIXA evo 16K CXP

Changes and new Features

- Internal refactoring
- Improvement of the internal voltage control
- Changed the visibility of DeviceVersion, DeviceManufacturerInfo features from Invisible to Beginner
- Improvement in gain control
- Improvement in black level control
- Added the DeviceLogLevel feature
- Added FlatfieldCorrectionCalibrationMode feature and added IsDeprecated for ImageCalibrationMode feature
- Exposure Time can be changed during grabbing now
- Update Min Line Period, to a valid value before, changing the exposure time at the sensor to avoid invalid states
- FlatFieldCorrection
 - Added new features for flat field correction to replace the older features
 - FlatFieldCorrectionSelector
 - FlatFieldCorrectionEnable
 - FlatFieldCorrectionDataSetdescription
 - FlatFieldCorrectionDisplayReference
 - FlatFieldCorrectionAvaialblePlanes
 - FlatFieldCorrectionFirstPixel
 - FlatFieldCorrectionLastPixel
 - FlatFieldCorrectionStartCalibration
 - FlatFieldCorrectionStopCalibration
 - FlatFieldCorrectionCalibrationStatus
- Added IsDeprecated for few fetatures in ImageCalibrationControl category
- Changing either old or new features will update the other feature accordingly
- All the deprecated features still can be used but from version 3.0.0 it will be removed completely.
- Log can be accessed by LogFile in FileAccessControl

Bug Fixes

- Fixed bug in checking the line time for min when setting it
- Fixed bug in shift in the very first image after boot up
- Fixed bug of an extra frame when using FrameActiveExtendLines
- Fixed bug of sometimes xml url string was wrong and leading to "Discovery Failure" when trying to retrieve the xml
- Fixed a bug in setting the exposure Time
- Removed "Unsigned" from 64-bit InReg node in XML, because it is not supported by GenAPI
- Fixed disabling FFC-Data-Set bug. (Could not disable wrong data set)

- Manage overflow by too high darkref pixels
- Fix for 3 or 4 cxp channel streaming

Errata

- LED-Flashing-Control:
 - Problems are expected when Frame Trigger and Line Trigger are off.
 - Errors are expected when exceeding the minimum sequence time
- The Internal DSNU/PRNU creation may not work properly. Please check the result is good or not.
- In Master Slave Mode there may be a constant shift between the cameras
- There may be issues with Gamma
- The CXP source tag in the streaming protocol is not reliable