Release Notes Firmware Version 2.6.0

We welcome any suggestions, questions, and bug reports.
Please send your enquiries to: support@chromasens.de

Camera series: allPIXA evo 8K CXP

Changes and new Features

- Internal refactoring
- Improvement of the internal voltage control
- Monitor the g8 training state at runtime
- Support multiple PRNU data sets for the LED-Flashing Mode(Up to two)
- Changed the visibility of DeviceVersion, DeviceManufacturerInfo features from Invisible to Beginner
- Improvement in gain control
- Improvement in black level control
- Added the DeviceLogLevel feature
- FlatFieldCorrection
    - Added new features for flat field correction to replace the older features
    - FlatFieldCorrectionSelector
    - FlatFieldCorrectionEnable
    - FlatFieldCorrectionDataSetdescription
    - FlatFieldCorrectionDisplayReference
    - FlatFieldCorrectionAvaialblePlanes
    - FlatFieldCorrectionFirstPixel
    - FlatFieldCorrectionLastPixel
    - FlatFieldCorrectionStartCalibration
    - FlatFieldCorrectionStopCalibration
    - FlatFieldCorrectionCalibrationStatus
- Added IsDeprected for few fetaures 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
- Fix the bug of an extra frame when using the FrameActiveExtendLines
- Fix in led flash out lines(5-8) which were modified while loading user set
- 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
- Fixed for getting the maximum exposure time, it was limited to RGB and IR, but neglecting the White filter.(Releated to Individual exposure)
- Update Min Line Period, to a valid value before, changing the exposure time at the sensor to avoid invalid states
- Fixed disabling FFC-Data-Set bug. (Could not disable wrong data set)

- Removed "Unsigned" from 64-bit InReg node in XML, because it is not supported by GenAPI
- Adapted to get more valid min line time for TDI mode
- Fix for 3 or 4 cxp channel streaming
- The related bug to less number of lines in TDI mode is removed
- Fix for sensor pgood and traning errors
- Manage overflow by too high darkref pixels

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