

Release Notes Firmware Version 2.1.1

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

- CoaxPress CXP12 support
- DeviceFanEnable feature added, to control a fan connected to the camera
- Remove internal DSNU/PRNU reference capturing timeout. User has to stop it manually if required.
- FileAccessControl is revised to work also with third party application
- Replaced UserSetComment with SFNC feature UserSetDescription.
UserSetComment feature is still available but not visible
- Adapted range of TriggerDelayLines and SlaveDelayLines feature
- Increased Accuracy of "TriggerDelayLines" feature
- ExposureTime configuration is not limited by AcquisitionLineTime if using LineStart or MasterSlaveMode
- DeviceHWCalibFileVersion feature added, to get the version of the Hardware calibration file in the camera
- Simplified the LedFlashControl configuration
- Hide LedFlashControl and EncoderControl if camera is a slave camera (MS-Mode)
- Extended the pixel format support for RGBa12
- The DeviceProductNumber is returned for the DeviceVersion feature too.
However, the DeviceVersion feature is kept invisible as before.

Bug Fixes

- CxP source tag (frame counter) problem is solved.
- Fixed Gain Control Region problems
- Fixed problem in internal timing of sensor control
- LED-Flashing fixed problem of missing patterns
- Fixed bug in LineDistance component
- The problem of binning with mono/Color2Grey mode is fixed
- Updated the line trigger stop implementation this may fix problems when stopping line trigger
- Master/Slave Mode working line frequency increased
- Fixed the bug in configuring the master slave interface correctly

- Fixed the bug of the black calibration for slave camera
- Black level control failed during boot process if there is no line trigger.
- Fixed the bug of not displaying the default model name if ****DeviceModelName**** is not configured
- Fixed the bug when reading the *userid* from flash if flash is uninitialized
- Fixed the bug in setting the LineDistance (g8 sensor only)
- Fixed Gain initialization bug for mono cameras
- Bug in case of using Color2Grey is fixed (Mono pixel format was not displayed correctly)
- The problem with negative values for brightness/contrast feature is fixed
- Fix bug regarding reading negative float values from user setting
- Fixed the error that the register edit entries of the user set were not applied when the respective user set was loaded
- Setting the UserSetComment feature was not working for some host applications.
Adapted the firmware to make it more flexible at this point.
- ImageCalibrationMode CalibrateDSNUInternal/CalibratePRNUInternal synchronization in transport direction is working now.
- Check EncoderSourceA/B is extended to avoid invalid configuration
- Bug fixes in LedFlashControl parametrization
- Problem of Missing line for some AcquisitionLineTime depending on CxpLinkConfiguration is fixed

Incompatibilities

- Master/Slave cascade mode is not explicitly settable anymore
The Master Slave interface setting external is now the former cascade mode!
- Changed the behavior of UserSetComment feature.
Now it happens that whenever user set comment is changed for the selected user set it is not saved immediately.
It will be saved only when UserSetSave command is executed.
Before the user set comment of the active user set was stored when performing UserSetSave command.
Now the displayed user set comment will be saved.
- Limit "BinningHorizontal" and "DecimationHorizontalFloat" maximum values depending on "Width"
- The minimum value for "Width" feature is increased to 16
- Now AdjustTargetValueToMaxVideo feature is not available for standard evo anymore.
- DeviceLinkHeartbeatTimeout feature is available only for gige (dxge)

Errata

- For RGBa the LineDistance correction is not correct

- LED-Flashing-Control:
 - Problems are expected when TriggerMode is off.
 - Errors are expected when exceeding the minimum sequence time
- There may be problems with small image width.
 - We recommend to use image width ≥ 128 px
- There may be sporadic distortions possible when using gamma feature