

Release Notes Firmware Version 2.1.3

We welcome any suggestions, questions, and bug reports.

Please send your enquiries to: support@chromasens.de

Camera series: allPIXA evo 8K DXGE

Changes and new Features

- DeviceHWCalibFileVersion feature added!
- 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-Feature if using LineStart or MasterSlaveMode=Slave
- Revised the LedFlashControl configuration
- Hide LedFlashControl and EncoderControl if camera is a slave camera (MS-Mode)
- Added support for TDI=4 (PixelColorFilter=White only)
- UserSet default value for TDI will be maximum value from now
- The DeviceProductNumber is returned for the DeviceVersion feature too.
- However, the DeviceVersion feature is kept invisible as before.
- Added TlParamsLocked to the following features:
 - ExposureMode
 - ExposureTimeMode
 - MasterSlaveMode
 - MasterSlaveInterface
 - CxpLinkConfiguration
 - CxpVersionUsed
 - CxpConnectionTestMode
 - CxpConnectionTestPacketCountTx
 - CxpConnectionTestPacketCountRx
 - CxpConnectionTestErrorCount

Bug Fixes

- Fixed the sensor data reception bug, which lead to occasional image data shift after boot.
- The maximum line time could not be set due to wrong interface clock. This is fixed now
- The master slave cascade bug has been fixed

Incompatibilities

- Master/Slave cascade mode is not explicitly settable anymore!
The Master Slave interface setting external is now the former cascade mode!
- The minimum value for "Width" feature is increased to 128
- Limit "BinningHorizontal" and "DecimationHorizontalFloat" maximum values depending on "Width"
- Now AdjustTargetValueToMaxVideo feature is not available for standard evo anymore.
- In former packages a frame was splitted when an internal timeout expired in case of line trigger stop.
Now this timeout has been removed and the camera waits to complete the frame if line trigger stops.
No splitting of frames is done anymore.

Errata

- LED-Flashing-Control:
 - Problems are expected when TriggerMode is off.
 - Errors are expected when exceeding the minimum sequence time
- The Internal DSNU/PRNU generation may lead to incorrect results. Please check the results.