

Release Notes Firmware Version 2.2.0

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

- TriggerSelector keeps its value when changing to MasterSlaveMode "Master" or "Off"
- FrameBurstStart feature is completely implemented
- Added ValidValueSet for binning feature in xml
- Added Invalidator for TriggerSelector based on MasterSlaveModeReg in xml
- Support LinkTrigger0 and LinkTrigger1 over CXP
- Support GenCP control channel by USB connection
- Internal refactoring
- Removed some error code related to the trigger source and generalized to if it is used by other trigger and in
 - encoder control if it used by other input of encoder
- LineMode Output and LineSource other than Off is made available
- Introduced MemoryFile
- Added DeviceStatusMessage feature in xml to display the device status.
- Now error code and status code are separated.
- Added a new feature 'FrameCount' to retrieve the number of grabbed frames during acquisition period
- New LineFormat feature available
- Renamed SensorColorType to SensorColorFilter only in the display name, but still the feature name remains as SensorColorType, adapted and extended the enum entries
- Added FrameBurstStart and AcquisitionFramBurstCount feature
- Limit the height feature by AcquisitionFrameBurstCount in case of using FrameBurstStart trigger
- UserSet default for TDI is set to the maximum value for mono cameras
- Checking the max payload size whenever image parameters are changed
- Added the new feature DeviceLinkSpeed
- The DeviceScanType Feature value is changed from "Areascan" to "Linescan"
- SourceTag of image header will be reset by connection reset
- DeviceLinkHeartbeatTimeout feature available
- New temperature module for board temperature is supported now

Bug Fixes

- A bug related to Encoder and FrameTrigger is fixed
- The bug related to first line issue in first captured frame is solved
- Fixed bug in configuring the digital io lines features
- Fixed the bug of exposure time in Info Block
- Fixed bug in checking the encoder source parameter
- Added UserSet invalidation to AcquisitionMode
- Master Slave Mode is working for more than two cameras
- Fixed the sensor data reception bug, which lead to occasional image data shift after boot

Incompatibilities

Errata

- LED-Flashing-Control:
 - Problems are expected when TriggerMode is off
 - Errors are expected when exceeding the minimum sequence time
- DecimationHorizontal may lead to corrupt images, please check if your requirement works fine
- The Internal DSNU/PRNU creation may not work properly. Please check the result is good or not
- Master Slave Mode may not work completely fine