PCN Title: New Firmware v12.0 for all Alvium cameras, version 00.12.00.00611a22

Affected Products: All Alvium 1500 C, 1800 C, 1800 U, FP3 Coax, GM2 Coax, G1 and G5 cameras

PCN Number: PCN2023-06-15

PCN Issue date: 15.06.2023

Contact: Inside Sales Team

Change Classification: Major

Change Type: Firmware Specification

Affected Products: See Annex

Change Description:

USB camera models - New features:
- Support for mandatory features according to GenICam SFNC V2.7
- Sensor binning (4th Gen Sony IMX only)
- LUTValueAll to write a complete LUT in one access
- Multi ROI

CSI-2/FP3/GM2 camera models - New features (1800 C models with GenICam for CSI-2 Access):
- Support for mandatory features according to GenICam SFNC V2.7
- LUTValueAll to write a complete LUT in one access

G1 camera models - New features:
- Support GigE Vision V2.2
- Support for mandatory features according to GenICam SFNC V2.7
- Sensor binning (4th Gen Sony IMX only)
- LUTValueAll to write a complete LUT in one access
- Scheduled action commands
- Multi ROI
- TestPendingAck feature was added
- Added 12-bit sensor formats for cameras with 10-bit sensors for PixelFormat.
- Added Mono12Packed and BayerGR12Packed (G1-500c) or BayerRG12Packed (other models) for PixelFormat.

G5 camera models - New features:
- Support GigE Vision V2.2
- Support for mandatory features according to GenICam SFNC V2.7
- Sensor binning (4th Gen Sony IMX only)
- LUTValueAll to write a complete LUT in one access
- Scheduled action commands
- Multi ROI
- TestPendingAck feature was added
- Added 12-bit sensor formats for cameras with 10-bit sensors for PixelFormat.
- Added Mono12Packed and BayerGR12Packed (G5-500c) or BayerRG12Packed (other models) for PixelFormat.

Please also see the Firmware Release Notes for more details.
**Product / Process Change Notification (PCN)**

Reason for Change
Enhanced and new features

Impact / Possible Successor
Please check whether the changed camera behavior has an influence on your application!

Alvium G1 cameras:
**Attention!** Polarity change on GPI3 signal, isolated input on pin 5. Signal was inverted and is now corrected. Therefore, it is important to take this into consideration when integrating cameras with the new firmware into an existing application that currently relies on the workaround.

First Ship Date
03.07.2023
If you want to receive the new firmware before this date for evaluation/testing, please contact our support team.

The information provided in this product change notification are subject to change without notice. For the latest version of this document, please visit the Allied Vision [website](https://www.alliedvision.com).

Support:
In case of technical questions please contact our [Support Team](mailto:support@alliedvision.com)

General inquiries:
Please contact our [Inside Sales Team](mailto:sales@alliedvision.com)
## Annex

### Item no. affected products

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