PCN Title	New Firmware V14.0 for Alvium Cameras, Version V00.14.00.baba1e3c		
Affected Products	Alvium 1500 C, 1800 C, 1800 U, FP3, GM2, G1, and G5 cameras Exceptions: see below		
PCN Number	PCN2024-11-15	PCN Issue date	15.11.2024
Contact	Inside Sales Team		

Change Classification
Major

Change Type
Firmware Specification

Affected Products
See Annex

Change Description
CSI-2/FP3/GM2 camera models: New features and changes:
- The bandwidth per lane was increased from 1.051 GBit/s to 1.425 GBit/s. Depending on the specific model, maximum or ROI frame rates can be increased or less lanes can be used than before
- Heartbeat register control
- Sensor binning register control

G1 camera models: New features and changes:
- Power consumption was reduced for StandbyMode
- FrameBufferOverflow for EventsData
- GevPAUSEFrameReception and GevPAUSEFrameReceptionActive

G5 camera models: New features and changes:
- The maximum bandwidth available was increased from 525 MByte/s to 625 MByte/s. Depending on the specific model, maximum or ROI frame rates can be increased.
- Power consumption was reduced for StandbyMode.
- TCP option was added
- FrameBufferOverflow option for EventsData
- GevPAUSEFrameReception and GevPAUSEFrameReceptionActive

USB camera models: New features and changes:
- Power consumption was reduced for StandbyMode
- FrameBufferOverflow option for EventsData

All camera models: Resolved several known issues.

The following camera models are not included in this firmware update: X-050, X-131 and X-192, where X stands for either U/C/G1.
Please also see the Firmware Release Notes for more details.

Reason for Change
Enhanced and new features

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

First Ship Date
CW47/2024
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.

Support:
In case of technical questions please contact our Support Team

General inquiries:
Please contact our Inside Sales Team