


**Helpful downloads**

- Operating and updating cameras: Alvium G1 Cameras User Guide
- Features: Alvium Features Reference  
[www.alliedvision.com/en/support/technical-documentation/alvium-gige-documentation](http://www.alliedvision.com/en/support/technical-documentation/alvium-gige-documentation)
- Firmware files  
[www.alliedvision.com/en/support/firmware](http://www.alliedvision.com/en/support/firmware)
- Firmware updater, included in **Vimba Suite**  
[www.alliedvision.com/software](http://www.alliedvision.com/software)

## Latest firmware version for your Alvium G1 model

The following table lists the latest firmware version for your Alvium G1 camera.

Models	FW version	FW release date
Alvium G1-040m/c, G1-158m/c, G1-234m/c, G1-240m/c, G1-319m/c, G1-500m/c, G1-507m/c, G1-510m/c, G1-811m/c, G1-1236m/c, G1-1242m/c, G1-1620m/c, G1-2040m/c, G1-2050m/c, G1-2460m/c	FW 00.11.00.9cf0c21e	2022-Nov-14

Table 3: Latest firmware version by model

## FW 00.11.00.9cf0c21e

Release date: 2022-Nov-14

### Supported models

Camera family	Model
Alvium	Alvium G1-040m/c, G1-158m/c, G1-234m/c, G1-240m/c, G1-319m/c, G1-500m/c, G1-507m/c, G1-510m/c, G1-811m/c, G1-1236m/c, G1-1242m/c, G1-1620m/c, G1-2040m/c, G1-2050m/c, G1-2460m/c

Table 4: Supported models

### New model

Alvium G1-510m/c

### Changed features

- **ActionControl** features have been tested and validated for proper function.
- The maximum value for **Gain** is increased to 48 dB for all models with Sony IMX global shutter sensors.
- Increments for **OffsetX** and **OffsetY** for camera models with Sony IMX global shutter sensor
- Reduced options for **SoftwareSignalSelector**

### New features

- Counter features in the **CounterAndTimerControl** category
- Ethernet Flow Control (configurable on NICs and Ethernet devices)
- **LineDebounceDuration** and **LineDebounceMode** in the **DeviceControl** category
- **SequencerControl** category
- **TransferControl** category with features to acquire a sequence of images as a burst

### Resolved issues

Alvium ID	Affected models	Description
806	Color models	Error in color transformation has been fixed.

Table 5: Resolved issues

### Known issues

Alvium ID	Affected models	Description
251	G1-2050m/c	If <b>ShutterMode</b> is changed after image acquisition, the <b>ExposureActive</b> signal disappears.
253	All	Auto mode feature <b>IntensityControllerOutliersDark</b> does not work properly.
338	G1-500m/c, G1-2050m/c	If <b>AcquisitionStop</b> is executed shortly after <b>AcquisitionStart</b> , no image is transmitted.

Table 6: Known issues

## FW 00.10.00.2cf3b22e | corrected

Date of **corrections** for data in this document: 2022-Aug-08

Date of firmware release: 2022-Jul-20

### Supported models

**Corrected:** Alvium **G1-235m/c** is not included.

Camera family	Model
Alvium	Alvium G1-040m/c, G1-158m/c, G1-234m/c, G1-240m/c, G1-319m/c, G1-500m/c, G1-507m/c, G1-811m/c, G1-1236m/c, G1-1242m/c, G1-1620m/c, G1-2040m/c, G1-2050m/c, G1-2460m/c

Table 7: Supported models

### New model

Alvium G1-234m/c

### Changed features

In previous firmware versions, **BlackLevel** values were adjusted to the pixel formats: 8-bit values for 8-bit pixel formats, 10 for 10, and 12 for 12. With this firmware update, the representation of **BlackLevel** is independent from the pixel format: 12-bit values are used for all pixel formats. Therefore, you may have to adjust your settings used with previous firmware versions.

**Corrected:** The maximum value for **Gain** is still **24 dB** for all models with Sony IMX global shutter sensors.

### New features

- **ActionControl** category: The features are not working properly yet. This will be fixed in the next firmware release.
- **GVCP** subcategory
- **PTPCControl** category
- **SerialHub** subcategory for I/O control by UART
- **SoftwareSignalControl** subcategory to enable external devices to trigger actions within the camera by software commands (The features in this category are still in the testing phase and not fully validated.)

### Known issues

Alvium ID	Affected models	Description
251	G1-2050m/c	If <b>ShutterMode</b> is changed after image acquisition, the <b>ExposureActive</b> signal disappears.
253	All	Auto mode feature <b>IntensityControllerOutliersDark</b> does not work properly.
338	G1-500m/c, G1-2050m/c	If <b>AcquisitionStop</b> is executed shortly after <b>AcquisitionStart</b> , no image is transmitted.

Table 8: Known issues

## FW 00.10.00.2cf3b22e

Release date: 2022-Jul-20

**Note:** Data on this page is incorrect. Please see Chapter [FW 00.10.00.2cf3b22e](#) | [corrected](#) on page 3.

### Supported models

Camera family	Model
Alvium	Alvium G1-040m/c, G1-158m/c, G1-234m/c, G1-235m/c, G1-240m/c, G1-319m/c, G1-500m/c, G1-507m/c, G1-811m/c, G1-1236m/c, G1-1242m/c, G1-1620m/c, G1-2040m/c, G1-2050m/c, G1-2460m/c

Table 9: Supported models

### New models

Alvium G1-234m/c, G1-235m/c

### Changed features

In previous firmware versions, **BlackLevel** values were adjusted to the pixel formats: 8-bit values for 8-bit pixel formats, 10 for 10, and 12 for 12. With this firmware update, the representation of **BlackLevel** is independent from the pixel format: 12-bit values are used for all pixel formats. Therefore, you may have to adjust your settings used with previous firmware versions.

The maximum value for **Gain** was increased from 24 to 48 dB for all models with Sony IMX global shutter sensors.

### New features

- **ActionControl** category: The features are not working properly yet. This will be fixed in the next firmware release.
- **GVCP** subcategory
- **PTPControl** category
- **SerialHub** subcategory for I/O control by UART
- **SoftwareSignalControl** subcategory to enable external devices to trigger actions within the camera by software commands (The features in this category are still in the testing phase and not fully validated.)

### Known issues

Alvium ID	Affected models	Description
251	G1-2050m/c	If <b>ShutterMode</b> is changed after image acquisition, the <b>ExposureActive</b> signal disappears.
253	All	Auto mode feature <b>IntensityControllerOutliersDark</b> does not work properly.
338	G1-500m/c, G1-2050m/c	If <b>AcquisitionStop</b> is executed shortly after <b>AcquisitionStart</b> , no image is transmitted.

Table 10: Known issues

## FW 00.09.00.e23cb4e8

Release date: 2022-May-04

### Supported models

Camera family	Model
Alvium	Alvium G1-040m/c, G1-158m/c, G1-240m/c, G1-319m/c, G1-500m/c, G1-507m/c, G1-811m/c, G1-1236m/c, G1-1242m/c, G1-1620m/c, G1-2050m/c, G1-2050m/c, G1-2460m/c

Table 11: Supported models

### New models

Initial commercial release of Alvium G1-040m/c, G1-158m/c, G1-240m/c, G1-319m/c, G1-500m/c, G1-507m/c, G1-811m/c, G1-1236m/c, G1-1242m/c, G1-1620m/c, G1-2050m/c, G1-2050m/c, G1-2460m/c

### New features

Initial feature set

### Known issues

Alvium ID	Affected models	Description
251	G1-2050m/c	If <b>ShutterMode</b> is changed after image acquisition, the <b>ExposureActive</b> signal disappears.
253	All	Auto mode feature <b>IntensityControllerOutliersDark</b> does not work properly.
338	G1-500m/c, G1-2050m/c	If <b>AcquisitionStop</b> is executed shortly after <b>AcquisitionStart</b> , no image is transmitted.

Table 12: Known issues

## Contact us

### Website, email

**General**

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**Distribution partners**

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**Current firmware and release notes**

<https://www.alliedvision.com/en/support/firmware-downloads>

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