

5GIGE FIRMWARE RELEASE NOTES

Goldeye Pro G5 cameras

2025-Oct-28

V00.03.00.361abc93

**Helpful downloads**

- Operating and updating cameras: Goldeye Pro G5 User Guide
www.alliedvision.com/en/support/technical-documentation/goldeye-pro-g5-documentation
- Firmware updater, included in **Vimba X**
www.alliedvision.com/en/products/software/vimba-x-sdk

Latest firmware version for your Goldeye Pro G5 model

The following table lists the latest firmware version for your Goldeye Pro G5 camera.

Models	FW version	Document release
Goldeye Pro G5-130 VSWIR TEC1, G5-320 VSWIR TEC1, G5-530 VSWIR TEC1	FW 00.03.00.361abc93	2025-Oct-28

Table 1: Latest firmware version by model

FW 00.03.00.361abc93

Date of document release: 2025-Oct-28

Supported models

Camera family	Model
Goldeye Pro	Goldeye Pro G5-130 VSWIR TEC1, G5-320 VSWIR TEC1, G5-530 VSWIR TEC1

Table 2: Supported models

New models

Goldeye Pro G5-130 VSWIR TEC1

New features

- `ExposureAuto` has been added to `AcquisitionControl`.
- `BlackLevelEqualizationMode` has been added to `AnalogControl`.
- `AutoMode` category has been added.
- `TemperatureMonitoring` subcategory has been added.
- `ExposureMode`, `FileSystemSelector`, and `FileSystemTotalSizeInBytes` have been added to `FileAccessControl`.
- Binning features have been added to `ImageFormatControl`.
- `MultipleRegionControl` subcategory has been added.
- `ContrastControl` subcategory has been added.

Resolved issues

Pro G5 ID	Affected models	Description
35	All	<p>DPC works only with full resolution. To enable DPC with ROI:</p> <ol style="list-style-type: none"> 1. Start a single image acquisition with full resolution. 2. Set the required ROI 3. Start image acquisition again.
39	All	<ul style="list-style-type: none"> • For sensor board temperature ≥ 75 °C: Sensor, TEC element, and temperature LED are shut off. • For sensor temperature ≥ 70 °C: TEC element and temperature LED are shut off. <p>If overtemperature occurs at the sensor first, the LED cannot be used to monitor the temperature status.</p>
54	All	Data for <code>LUTValueAll</code> uses big endian instead of small endian for encoding.

Table 3: Resolved issues

Known issues

Pro G5 ID	Affected models	Description
8	All	FileOperationStatus reports <i>Failure</i> after deleting user data successfully.
9	All	Saving camera settings via VmbAPI does not work. This affects VmbC, VmbCPP, VmbPy and VmbNET, and all applications using these APIs.
15	All	If TriggerDelay is used with TriggerSelector = <i>FrameStart</i> and TriggerActivation = <i>LevelHigh</i> : <ul style="list-style-type: none"> • Expected and correct behavior: The trigger signal is active only before the first frame. • Current wrong behavior: The delay is added before and between all frames.
17	All	If an AcquisitionStop command is executed when TemperatureStatus = <i>OverTemperature</i> , the camera crashes. The camera must be power cycled to reconnect.

Table 4: Known issues

FW 00.02.00.1b45a27b

Date of document release: 2025-Aug-21

Supported models

Camera family	Model
Goldeye Pro	Goldeye Pro G5-320 VSWIR TEC1, G5-530 VSWIR TEC1

Table 5: Supported models

New models

No new models were added.

New features

- BlackLevelAutoAdjust has been added to AnalogControl.
- LUTControl category has been added.

Resolved issues

Pro G5 ID	Affected models	Description
6	All	The LED behavior is not in the final state.
12	All	If a trigger source has been selected and enabled (<code>TriggerMode = On</code>), it is unavailable for other trigger selectors. This is still the case even if the trigger source is switched while <code>TriggerMode = On</code> . To re enable a trigger source to be configured in other trigger selectors, set <code>TriggerMode = Off</code> before changing to another trigger source or another trigger selector.
19	All	The value for <code>DeviceStreamChannelPacketSize</code> is not correctly synchronized with <code>GVSPacketSize</code> .

Table 6: Resolved issues

Known issues

Pro G5 ID	Affected models	Description
8	All	<code>FileOperationStatus</code> reports <i>Failure</i> after deleting user data successfully.
9	All	Saving camera settings via VmbAPI does not work. This affects VmbC, VmbCPP, VmbPy and VmbNET, and all applications using these APIs.
15	All	If <code>TriggerDelay</code> is used with <code>TriggerSelector = FrameStart</code> and <code>TriggerActivation = LevelHigh</code> : <ul style="list-style-type: none"> Expected and correct behavior: The trigger signal is active only before the first frame. Current wrong behavior: The delay is added before and between all frames.
17	All	If an <code>AcquisitionStop</code> command is executed when <code>TemperatureStatus = OverTemperature</code> , the camera crashes. The camera must be power cycled to reconnect.
35	All	DPC works only with full resolution. To enable DPC with ROI: <ol style="list-style-type: none"> Start a single image acquisition with full resolution. Set the required ROI Start image acquisition again.
39	All	<ul style="list-style-type: none"> For sensor board temperature ≥ 75 °C: Sensor, TEC element, and temperature LED are shut off. For sensor temperature ≥ 70 °C: TEC element and temperature LED are shut off. If overtemperature occurs at the sensor first, the LED cannot be used to monitor the temperature status.
54	All	Data for <code>LUTValueAll</code> uses big endian instead of small endian for encoding.

Table 7: Known issues

FW 00.01.00.10fe3bdd

Date of document release: 2025-Jun-20

Supported models

Camera family	Model
Goldeye Pro	Goldeye Pro G5-320 VSWIR TEC1, G5-530 VSWIR TEC1

Table 8: Supported models

New models

Goldeye Pro G5-320 VSWIR TEC1, G5-530 VSWIR TEC1

New features

Initial feature set

Known issues

Pro G5 ID	Affected models	Description
6	All	The LED behavior is not in the final state.
8	All	<code>FileOperationStatus</code> reports <i>Failure</i> after deleting user data successfully.
9	All	Saving camera settings via VmbAPI does not work. This affects VmbC, VmbCPP, VmbPy and VmbNET, and all applications using these APIs.
12	All	If a trigger source has been selected and enabled (<i>TriggerMode = On</i>), it is unavailable for other trigger selectors. This is still the case even if the trigger source is switched while <i>TriggerMode = On</i> . To re enable a trigger source to be configured in other trigger selectors, set <i>TriggerMode = Off</i> before changing to another trigger source or another trigger selector.
15	All	If <i>TriggerDelay</i> is used with <i>TriggerSelector = FrameStart</i> and <i>TriggerActivation = LevelHigh</i> : <ul style="list-style-type: none"> Expected and correct behavior: The trigger signal is active only before the first frame. Current wrong behavior: The delay is added before and between all frames.
17	All	If an <i>AcquisitionStop</i> command is executed when <i>TemperatureStatus = OverTemperature</i> , the camera crashes. The camera must be power cycled to reconnect.
19	All	The value for <i>DeviceStreamChannelPacketSize</i> is not correctly synchronized with <i>GVSPacketSize</i> .

Table 9: Known issues

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