

**Scope of this document**

These firmware release notes apply to all Manta cameras, except for cameras with frozen firmware or any NCA (Non-Change Agreement) related to firmware modifications.

**PvAPI**

PvAPI: given only where naming varies in **PvAPI SampleViewer** versus **Vimba Viewer** and third-party software.

**User sets**

If new firmware contains a new feature or control, saved camera **UserSets [PvAPI: ConfigFiles]** will be invalidated and erased. Before loading new firmware, backup any used camera **UserSets [PvAPI: see disk icon in SampleViewer to export current settings to file]**.

**Firmware update instructions**

For more information on updating the firmware on your Manta camera, see the Manta User Guide or the GigE Firmware Update application note at www.alliedvision.com/en/support/technical-papers-knowledge-base

**Camera feature reference**

A complete listing of camera features including definitions can be found online.

- **Vimba** and third-party software users: GigE Features Reference
- **PvAPI** users: GigE Camera and Driver Attributes document

www.alliedvision.com/en/support/technical-documentation

**Supported models**

Listed camera models include Manta monochrome, color, NIR, and version variants (including hardware revisions). See the firmware loader executable for full list of variants.

Firmware releases for Manta

The following table lists current firmware versions for your Manta camera.

Models	Firmware version	Release date
Manta G-040, G-158, G-223, G-235, G-282, G-283, G-319, G-419, G-505, G-507, G-895, G-917, G-1236, G-1620, G-2040, G-2460	FW 01.54.40193	2024-Sep-23
Manta G-031, G-033, G-046, G-145, G-145-30fps, G-146, G-201, G-504	FW 01.44.40190	2024-Jan-22

Table 1: Firmware releases at a glance (current firmware)

FW 01.54.40193

Release date: 2024-Sep-23



No firmware downgrade for cameras manufactured with new firmware

Cameras with updated hardware are delivered with firmware V00.01.54.40193. These cameras can be updated to firmware V00.01.54.40193 or higher. To avoid damage, the firmware for these cameras cannot be reverted below firmware V00.01.54.40193. Cameras with previous hardware can be updated to any FW version.

Supported models

Camera family	Models	Firmware version
Manta CCD 2-Tap and CMOS	G-040, G-158, G-223, G-235, G-282, G-283, G-319, G-419, G-505, G-507, G-895, G-917, G-1236, G-1620, G-2040, G-2460	01.44.40190

Adjustments for new hardware

Adjustment to support the new Phy variant

FW 01.44.40190

Release date: 2024-Jan-15



No firmware downgrade for cameras manufactured with new firmware

Cameras with serial numbers >=503550795 are delivered with FW version 01.44.40190 or higher. To avoid damage, the firmware for these cameras cannot be reverted below 01.44.40190. Cameras with serial numbers <503550795 can be updated to any FW version.

Supported models

Camera family	Models	Firmware version
Manta CCD 1-Tap	G-031, G-032, G-033, G-046, G-125, G-145, G-146, G-201, G-504	01.44.40190

Adjustments for new hardware

Adjustment to support the new Phy variant

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Support

www.alliedvision.com/en/support

www.alliedvision.com/en/about-us/contact-us/technical-support-repair/-/rma

Current firmware and release notes

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

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