GigE Firmware Release Notes

Manta CCD 1-Tap cameras

Manta G-031, -032, -033, -046, -125, -145, -146, -201, -504

Scope of this document

These firmware release notes apply to all Manta CCD 1-tap cameras, except for cameras with frozen firmware or an NCA (no change agreement).

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 CCD 1-Tap monochrome, color, NIR, and version variants (including hardware revisions). See the firmware loader executable for full list of variants.

Firmware releases in firmware loader 40190: Manta CCD 1-Tap

The following table lists a selection of firmware versions for your Manta camera.

Firmware loader for other Manta models

Firmware for Manta CCD 2-Tap and Manta CMOS models (Manta G-040, -158, -223, -235, -282, -283, -319, -419, -505, -507, -895, -917, -1236, -1620, -2040, -2460) is included in the GigE Firmware Loader. You can find the GigE Firmware Loader and related release notes at www.alliedvision.com/en/support/firmware-downloads.

Models	Firmware version	Release date
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 loader)

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	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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Current firmware and release notes
https://www.alliedvision.com/en/support/firmware-downloads

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