H5 Pro Camera Line Firmware Release Notes

Version 4.60.0.26 – Released June 20, 2023

Issues Fixed

- Resolves internal manufacturing issues

Version 4.60.0.24 – Released May 30, 2023

New Features

- A new option titled "No Smart Analytics" is available through the WebUI that allows the disabling of Smart Analytics functions (basic analytics will not be disabled)
- ONVIF Profile M is now supported

Issues Fixed

- Resolves internal manufacturing issues
- Resolves an issue that could potentially cause issues when loading the WebUI on Mac-based Safari and Google Chrome browsers

Version 4.38.0.32 – Released January 9, 2023

Issues Fixed

- Fixes a firmware certification issue that could potentially cause ACC 7.14.10+ to reject the camera's firmware if downloaded from the Avigilon website

Version 4.38.0.28 fixes an issue present in version 4.38.0.24. Customers with the affected firmware versions are recommended to upgrade the firmware as soon as possible.

Version 4.38.0.28 – Released November 7, 2022

Issues Fixed

- Fixes an issue on 4.38.0.24 where a temporary network disruption to ACC or the NTP service may result in cameras not streaming to ACC, even when the network connection is restored
- Fixes an issue that can cause the camera not to adjust to Daylight Savings Time correctly when set to the IST/IDT time zone

Version 4.38.0.24 – Released October 7, 2022 (not recommended for use)

Issues Fixed

- Fixes an issue that could potentially cause the camera to fail to connect to ACC if the Network Time Protocol is unreachable
- Fixes internal connectivity issues

Version 4.38.0.20 – Released September 27, 2022

New Features

- User password hashing and encryption algorithms have been updated
- Camera now logs all successful login attempts, in addition to unsuccessful attempts
- Implemented ability for the camera to log out of the WebUI
- CryptR audio logs have been moved to the Security tab

- Allows for "soft resets", where a factory reset is done while keeping previous network settings

Issues Fixed
- Fixes internal manufacturing & design issues
- Fixes issues that may cause device logs to remain following a factory reset
- Image quality of the WebUI stream has been drastically improved
- Fixes an issue that could potentially allow users on the same network as the camera to initiate a reboot process without logging in
- Fixes issue that could cause the Analytics Scene Mode (Vehicle Detection) box not to appear under the Analytic settings on the H5A D1 camera
- Fixes an issue that could potentially cause the H.265 HDSM SmartCodec option to take up more bandwidth than without HDSM SmartCodec streaming

Version 4.18.0.124 – Released September 1, 2022

Issues Fixed
- Fixes an internal manufacturing issue

Version 4.18.0.90 – Released Oct 12, 2021

Issues Fixed
- Addresses an internal manufacturing issue

Version 4.18.0.82 – Released Sept 23, 2021

New Features
- Added the ability to disable the camera's WebUI and all non-ONVIF APIs
  - This can be done by by clicking the *Disable non-ONVIF APIs* checkbox which is found in the *Disable WebUI* tab of the camera's WebUI
  - Once this change is applied the camera will return HTTP 403 for all endpoints **not** starting in /onvif/
  - This change can only be undone with a physical revert
- Added support for Tamper Detection on the 8MP, 16MP, 26MP and 40MP models. Each of these models are now Profile S, G and T compliant. The 61MP model does not support Tamper Detection and is therefore not Profile T compliant

Issues Fixed
- Fixes an issue where the camera would stop streaming if Wide Dynamic Range was enabled while the camera's the Flicker Control was set to 50Hz

Version 4.14.0.86 – Released July 8, 2021

Issues Fixed
- Fixes an issue where the camera would stop streaming if Wide Dynamic Range was enabled while the camera's the Flicker Control was set to 50Hz
- Addresses an important security issue. Avigilon customers are advised to take this upgrade

Version 4.14.0.68 – Released April 22, 2021

New Features

- Added support for edge storage and retrieval via Profile G conformance. Supported Profile G compliant VMSes can retrieve video recordings from the camera's SD card. Cameras that are upgraded to this firmware version will have this support enabled by default
    - Avigilon Control Center users require version 7.6 or later to support video retrieval functionality from the camera's SD card.
    - Video playback is only supported for recordings in H.264 format. MJPEG videos can be stored on the SD card but cannot be retrieved by the VMS
- Added support for Next Generation Video Analytics to the 40MP camera models
- Added support for lower resolution streams on the 61MP and 26MP models. The 61MP model now also supports the same resolutions available on the 40MP model. The 26MP model now supports the same resolutions available on the 16MP and 8MP models
- Added support for FIPS L3 CryptR Card
    - If using FIPS 140-2 encryption, is it is recommended to use Avigilon Control Center version 7.12.2 or later
    - If using Avigilon Control Center 6, FIPS 140-2 support is only provided if ONVIF compatibility mode is enabled
- Added support for IP address access filtering on the camera. Users can now configure an IP access grant/block list from the camera's WebUI
- Added support for ONVIF Core Specification, Section 4.7, which enables a camera's GeoLocation to be stored on the camera. GeoLocation attributes can be set and retrieved from the camera using standard ONVIF specified operations

Issues Fixed
- Fixes an issue where auto-focus would not function properly when certain Tamron lenses were used with the camera
- Fixes an issue where a green bar would sometimes be seen in the lower portion of the video stream when streaming in MJPEG mode at resolutions greater than 16MP. Under these conditions the same artifact would be seen in recorded SD card footage as well.
    - For the 61MP, 40MP, and 26 MP camera models, MJPEG streaming will be limited to a maximum resolution of 16 MP. After upgrading to this firmware version, the resolution will **not** be reduced automatically if the camera was previously set for MJPEG streaming at a higher resolution than 16MP

Version 4.9.0.44– Released Mar 1, 2021
Issues Fixed
- Fixes an issue where auto-focus would not function properly when certain lenses were used with the camera

Version 4.9.0.42– Released Jan 12, 2021
Issues Fixed
- Fixes an issue where the camera sometimes can not be detected by the Avigilon Camera Configuration Tool

Version 4.9.0.40 – Released Nov 8, 2020
- Initial firmware release for the H5 Pro Camera Line