

Avigilon H4 Multisensor Cameras

- Firmware Release Notes

Version 4.36.0.22 – Released March 3, 2023

Issues Fixed

- Resolves an issue that potentially causes the WebUI to be able to load on Apple-based browsers
- Resolves a security vulnerability issue

Version 4.36.0.16 – Released August 10, 2022

Issues Fixed

- Fixes an internal manufacturing issue.

Version 4.36.0.14 – Released August 8, 2022

Issues Fixed

- Resolves an issue that could cause the camera to display ‘Insufficient power’ in an opaque text overlay.

Version 4.36.0.12 – Released July 7, 2022

Issues Fixed

- Resolves internal manufacturing issues.

Version 4.36.0.10 – Released June 24, 2022

New Features

- Added support for FIPS 140-2.

Issues Fixed

- Addresses an issue where, when connected to Genetec VMS, the camera would sometimes not return any results in the GetEventSearchResultsResponse.
- Resolves internal manufacturing issues.

Version 4.36.0.4 – Released April 28, 2022

New Features

- Added support for QoS.
- Camera password hashing algorithms and encryption have been updated.
- Camera logs now show successful user logins.

Issues Fixed

- Fixes an issue that could prevent users from adjusting the flicker control settings.
- Fixes an issue where after the login time-out users could still access the camera web-interface without having to login again.

- Resolves an issue where the use of the logout button in the camera web configuration interface may cause the camera to become unresponsive
- Resolves internal manufacturing issues.

Version 4.22.0.10 – Released January 4, 2022

Known Issues

- Use of the logout button in the camera web configuration interface may cause the camera to become unresponsive. The use of the hardware revert button or pinhole reset is required to recover normal operation of the camera.

Version 4.22.0.6 – Released November 26, 2021

Known Issues

- Use of the logout button in the camera web configuration interface may cause the camera to become unresponsive. The use of the hardware revert button or pinhole reset is required to recover normal operation of the camera.

Version 4.16.0.24 – Released June 24, 2021

Issues Fixed

- Addresses an important security issue. Avigilon customers are advised to take this upgrade
- Fixes an issue where the bitrates of the camera's video streams could sometimes exceed the value that was configured via the Max Bitrate setting
- Fixes an issue where setting the camera's ethernet link speed to 1 Gbit/s could cause the camera to get into an unrecoverable state if the network switch speed was set to less than 1 Gbit/s. Note, the option to configure the camera's link speed to a fixed 1 Gbit/s has been removed. For configuring the camera's link speed to 1 Gbit/s "Auto-negotiation" is the appropriate setting to use
- Improvements made to reduce the occurrence of false tamper alarms

Version 4.16.0.20 – Released April 21, 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 an ONVIF support for health monitoring of the camera's IR ring

- Added support for an SNMP variable which can be used to query health status of the IR ring and/or set SNMP traps for when the status changes

Known Issues

- When using Avigilon Control Center, retrieval of footage from the SD card may sometimes not function correctly. This may result in gaps in the retrieved footage from some or all of the camera heads. This issue has been addressed in Avigilon Control Center version 7.12.4 or later

Version 4.12.0.48 – Released Feb 8, 2021

New Features

- Enables by default the feature that shows the status of the optional IR illuminator and automatically cuts power to the IR illuminator if a failure is detected. This feature was introduced in firmware version 4.12.0.40

Version 4.12.0.40 – Released Jan 25, 2021

New Features

- Added feature for showing status of the optional IR illuminator. The firmware will automatically cut power to the IR illuminator if a failure is detected.

Version 4.12.0.24 – Released Dec 10, 2020

New Features

- 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 HTTP Strict Transport Security (HSTS)
- Added a feature which enables the minimum allowed TLS (Transport Layer Security) version to be configured via the Network page in the camera's Webui. The minimum allowed version can be set to version 1.1 or 1.2, with the default being version 1.2. Support added for version 1.3 as well.

Issues Fixed

- Fixed an issue where recording on motion events would sometimes not function correctly when the connection to Avigilon Control Center is interrupted

Version 3.30.0.96 – Released July 16, 2020

Issues Fixed

- Internal manufacturing test fix

Version 3.30.0.94 – Released June 18, 2020

Issues Fixed

- Bug fixes related to powering cameras with UPoE and 60W/90W injectors

Version 3.30.0.42 – Released January 8, 2020

New Features

- Added support for high power PoE compatibility with Cisco UPoE standard, up to 60W over 4 pairs.
- Added support to enable/disable Tamper detection. The setting can be found in the Tamper Detection tab under Setup on the camera's WebUI.
- Added support for ethernet speed and duplex setting. The setting can be found in the 'Network' tab under Setup on the camera's WebUI.
- Added support for ONVIF analytics events. This includes support for bounding boxes on classified objects and events such as Analytics Line Detector, Field Detector and Loitering Detector.
- Updated camera's webUI jQuery version.
- Added support to disable Night Visibility Check in the WebUI. This feature can be enabled/disabled in *Day/Night Settings* under *Image and Display* tab.

Version 3.28.0.130 – Released September 27, 2019

New Features

- Added support to set Subject Alternative Name via ONVIF or as a part of the certificate signing request.

Version 3.28.0.80 – Released June 7, 2019

Issues Fixed

- Fixed an issue where temporary disruption on camera connectivity could cause ACC to register a duplicate analytic event. Analytic event statuses removed from SetSynchronizationPoint responses.

Version 3.28.0.34 – Released January 07, 2019

Issues Fixed

- Fixed an issue where Audio Out might not work on the camera when using talk-down functionality.

Version 3.28.0.30 – Released December 18, 2018

Issues Fixed

- Fixed an issue where WiFi dongle ASUS N53 might not function with the camera.

Version 3.28.0.22 – Released December 3, 2018

New Features

- Added support for ONVIF Profile T conformance.
- Improved Auto White Balance tuning for better color compensation in scenes with one dominant color.
- Improved sharpening filter for sharper image reproduction.

- WDR has been disabled by default.

Issues Fixed

- Fixed an issue where unique name and location when assigned to each head of the camera from the WebUI, are not displayed as overlay on the streams.
- Fixed an issue where the camera stream might get pixelated in idle scene mode.
- Fixed an issue where streaming over TCP to ACC might result in dropped frames.
- Fixed an issue where the camera will not allow hostname to start with a number.
- Fixed an issue where analytic bounding boxes are aligned ahead of classified objects like people or vehicles when H.265 encoding is enabled.
- Fixed an issue where ONVIF streaming may have issue with certain VMSs due to difference in interpretation of the ONVIF specification. Media services call `GetGuaranteedNumberOfVideoEncoderInstances` to camera will now return the maximum number of concurrent streams available instead of the minimum value of 1.
- Fixed an issue where certain ONVIF calls for event subscription, related to monitoring digital input/output events, may fail.

Known Issues

- When H.265 is enabled along with WDR and backlight compensation, the settings do not persist if the camera is rebooted. This is only applicable for the 8MP camera head variants.

Version 3.28.0.14 – Released October 19, 2018

- Initial firmware release for the following H4 Multisensor cameras:
 - 9C-H4A-3MH-270
 - 9C-H4A-3MH-180
 - 15C-H4A-3MH-270
 - 15C-H4A-3MH-180
 - 24C-H4A-3MH-270
 - 24C-H4A-3MH-180
 - 12C-H4A-4MH-360
 - 20C-H4A-4MH-360
 - 32C-H4A-4MH-360