

Avigilon H4 Fisheye Camera - Firmware Release Notes

Version 4.12.0.62 – Released Jul 30, 2021

Issues Fixed

- Fixed an issue where H4 Fisheye cameras on firmware version 4.12.0.60 would record continuously even when configured for record on motion. **Note:** This issue affects customers on Avigilon Control Center (ACC) 7.14.0.14 as the firmware package 4.12.0.60 was included in the ACC 7.14.0.14 release.
- Addresses an important security issue. All Avigilon customers are advised to take this upgrade

Version 4.12.0.50 – Released Mar 7, 2021

Issues Fixed

- Fixes an internal manufacturing issue

Version 4.12.0.30 – Released Dec 18, 2020

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 need to enable Profile G functionality from the WebUI. Enable Profile G option can be found in Setup > Storage tab. Refer to the web interface user guide to configure edge storage settings. Note: Once enabled, the "Enable Profile G" button will disappear.
 - 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 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 3.30.0.70 – Released February 14, 2020

New Features

- All newly manufactured cameras will not have a default credential.

- Added a password strength meter to the WebUI when configuring a password.
- 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 Dominant Color Correction in the WebUI.
- Added support TLS v1.2 with 802.1x.
- Added support for digital input control and configuration via ONVIF
- 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.
- Added support to set Subject Alternative Name via ONVIF or as a part of the certificate signing request.

Issues Fixed

- Wifi installation WebUI is reachable when HTTP port is changed from port 80 default.
- Provide a preferred port number in multicast in the Session Description Protocol response.
- Fixed an issue where only the min and max frame rates were reported over ONVIF Media2 interface.
- Fixed an issue causing high CPU usage resulting in reduced frame rates.
- Fixed an issue where certain privacy issues cannot be deleted from the WebUI.

Version 3.28.0.84 – 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 3.28.0.26 – Released December 21, 2018

New Features

- Added support for ONVIF Profile T conformance.
- 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.
- Added support to control Temporal Filter Strength in the WebUI. This feature can be controlled in *Image and Display* Tab under *Adjustments Settings*.
- Implemented failed password retry throttling on the WebUI.
- Added support for IPv6.

Issues Fixed

- TLS v1.0 disabled
- 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 the camera drops and restarts stream if the requesting host has the term “VLC” in its name.
- Fixed an issue where the NTP server would not revert to default settings when Restore Defaults is executed in the WebUI.
- Fixed an issue limiting the keyframe interval to 90 – maximum is now 254.
- Fixed an issue where the camera time stamp overlay does not always appear on ACC.
- Fixed an issue where certain ONVIF calls for event subscription, related to monitoring digital input/output events, may fail.
- Fixed an issue where the WebUI microphone configuration names do not match the corresponding fields in ACC and ONVIF queries.

Version 3.16.0.172 – Released July 11, 2017

Issues Fixed

- Fixes critical vulnerability CVE-2017-9765. While the risk for Avigilon products installed behind a firewall or isolated network is limited, we highly recommend all users to update to this release.

Version 3.16.0.162 – Released July 10, 2017

Issues Fixed

- Internal manufacturing test improvements

Version 3.16.0.152 – Released July 7, 2017

New Features

- Added support for HDSM SmartCodec
- Added support for camera tamper detection
- Reduced bandwidth by blanking out areas outside of the lens field of view

Issues Fixed

- Fixed an issue where frame rate throttling was not being enabled for high bandwidth scenes
- Fixed an issue where the camera may reboot if a privacy zone is set at the edge of the image
- Corrected an issue resulting in poor audio input quality
- Fixed an issue with the ONVIF subscription URI handling for 3rd party integration
- Renamed the defaults for the microphone inputs to ‘External Input’ and ‘Internal Mic’

Version 3.16.0.64 – Released Mar 8, 2017

Issues Fixed

- Camera now accepts power from a PoE+ source outputting at PoE level

Version 3.16.0.44 – Released Feb 6, 2017

Issues Fixed

- Fixed an issue where the default digital input active state was reversed.

- Added support for 802.1x server certification check.
- Spaces can now be used in naming 802.1X configuration.
- Fixed an issue where the ARP ping method could not be disabled in the WebUI.
- Fixed an issue where the MIB files occasionally generated an error upon upload.
- Fixed an issue where the time zone and day light savings settings would not revert to the factory default settings when Restore Default is executed in the WebUI.
- Fixed an issue where deleting a privacy zone would cause the next privacy zone to not be selectable in the WebUI.
- Updated WebUI layout.
- Added a selection box for privacy masks.
- Fixed an issue where the bandwidth limits were not enforced during Idle Scene Mode.

Version 3.14.0.28 – Released Oct 1, 2016

Issues Fixed:

- Camera power source is now displayed on the 'About' page of the WebUI
- Fixed an issue where privacy zones are slightly offset from the configured location.
- Added "last known light level" status on both 'Imaging' and 'Adjustments' pages of the WebUI.

Version 3.14.0.12 – Released Sep 22, 2016

- Initial firmware release for the following H4 Fisheye cameras:
 - o 6.0L-H4F-DO1-IR
 - o 12.0-H4F-DO1-IR