

Avigilon H4 HD Cameras and ACC 6.x ES Camera- Firmware Release Notes

Version 4.10.0.72 – Released Oct 15, 2021

Issues Fixed

- Fixes an issue where the camera would sometimes stop streaming intermittently when SmartCodec was enabled

Version 4.10.0.68 – Released Aug 11, 2021

Issues Fixed

- Fixes an issue where the camera could go into a continuous reboot loop if an installed SD card became corrupted. After multiple boot failures due to a corrupted SD card, the camera will now disable the SD card slot. Once the SD card slot has been disabled, the user may need to replace the SD card and then click the *Force Re-Enable SD Card Slot* button, found in the Onboard Storage section of the camera's WebUI, in order to re-enable SD card recording
- Support added for TLS (Transport Layer Security) v1.3

Version 4.4.0.84 – Released Jun 3, 2021

Issues Fixed

- Addresses an important security issue. Avigilon customers are advised to take this upgrade
- Fixes an issue where the camera connection could be lost when a Video Management System would try to initiate video streaming over TCP, via the ONVIF interface

Version 4.4.0.78 – Released May 18, 2021

Issues Fixed

- Addresses an important security issue. Avigilon customers are advised to take this upgrade

Version 4.4.0.70 – Released May 6, 2021

New Features

- Added the ability to suspend *Analytic Self Learning*
 - To suspend Analytic Self Learning, click the checkbox labelled *Suspend Self Learning* which is found in the *Analytics* tab of the camera's Web Interface

Issues Fixed

- Improvements made to reduce the likelihood of false tamper alarms being generated

Version 4.4.0.48 – Released July 3, 2020

Issues Fixed

- Fixes an internal manufacturing test issue

Version 4.4.0.22 – Released April 17, 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 camera's 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.
 - Profile G functionality is not applicable for ES cameras.
- Added support for HTTP Strict Transport Security (HSTS).

Version 3.30.0.72 – Released February 15, 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 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.
- Updated camera's webUI jQuery version.
- Added support to set Subject Alternative Name via ONVIF or as a part of the certificate signing request.
- Added support for analytics metadata bounding boxes to be in ONVIF compliant format
- Added a long range analytic mode and this can be enabled using the Camera Configuration Tool or Avigilon Control Center.

Issues Fixed

- Fixed the default speaker volume default value to 50.
- Fixed an issue causing high CPU usage resulting in reduced frame rates.
- Fixed an issue with bounding box flickering on Genetec VMS
- Fixed an issue where certain privacy issues cannot be deleted from the WebUI.
- Wifi installation WebUI is reachable when HTTP port is changed from port 80 default.

Version 3.28.0.118 – Released September 6, 2019

Issues Fixed

- Fixed an issue where 8MP H4A cameras connected to ACC might go into an error state when in high frame rate mode and image rate is set above 20 frames per second. Recommend ACC users need to update to the latest ACC 6 or ACC 7 build to completely resolve this issue.

Version 3.28.0.86 – Released Jun 4, 2019

Issues Fixed

- Fixed an issue where analytic event rules may be triggered on ACC when network connectivity is lost and restored to the camera.

Version 3.28.0.76 – Released May 17, 2019

Issues Fixed

- Attention: All ACC users with camera firmware version 3.28.0.46 or later must update to this version. This version fixes a critical bug where many analytic cameras connected to ACC might degrade the server recording and streaming performance. Upgrading to this version will disable ONVIF analytics metadata stream by default. Third party VMS users will need to enable this in the WebUI to receive analytic events.

New Features

- Added support to enable ONVIF compliant analytics metadata in the WebUI. This feature can be enabled/disabled in Setup under 'Analytics' tab.

Version 3.28.0.60 – Released Apr 26, 2019

Issues Fixed

- Fixed an issue where the audio output on some camera models might have a continuous audible interference.

Version 3.28.0.50 – Released Mar 28, 2019

Issues Fixed

- All users with cameras on firmware version 3.28.0.46 should upgrade to this version. This version fixes an error where the camera may reboot when too many classified objects are within the field of view

Version 3.28.0.46 – Released Mar 21, 2019

Issues Fixed

- 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 802.1x authentication over SSL protocol TLSv1.2 would fail.
- Fixed an issue with ONVIF profile S where push notifications were not being sent to end points.

- Fixed an issue where any changes saved from mobile webUI may overwrite blank DNS server field.

New Features

- Added support for ONVIF Profile T conformance.
- 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.
- 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.
- For ACC ES cameras, upgrade to ACC version: 6.14.4.6

Version 3.24.2.136 – Released Jan 25, 2019

New Features

- For ACC ES cameras, upgrade to ACC version 6.14.0.10

Version 3.24.2.128 – Released Nov 19, 2018

Issues Fixed

- Fixed an issue where the preset behaviour for PTZ functionality using the RS485 interface would not function as expected.
- Fixed an issue where the camera does not pass testing on ONVIF Device Test Tool 17.12.
- Fixed an issue where the timestamp overlay when enabled may not appear on secondary streams.
- Fixed an issue where streaming over TCP to ACC might result in dropped frames.
- Fixed an issue where certain ONVIF calls for event subscription, related to monitoring digital input/output events, may fail.
- 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 camera would not allow hostname to start with a number.

New Features

- For ACC ES cameras, upgrade to ACC version 6.12.0.26

Version 3.24.2.94 – Released Aug 13, 2018

Issues Fixed

- Fixed an issue where the IP addresses could not be configured via the WebUI using IE11
- Fixed an issue where the camera time stamp overlay does not always appear on ACC
- Corrected an issue limiting the keyframe interval to 90 – maximum is now 254
- Fixed an issue where tamper events may not be generated for certain tamper scenarios
- Fixed an issue where self-learning disable setting is not persisting through camera reboot

New Features

- For ACC ES cameras, upgrade to ACC version 6.10.0.32
- Implemented failed password retry throttling on the WebUI
- Enables camera to accept DNS server address input as an IPV6 address
- TLSv 1.0 disabled to improve security
- Reduced the night mode switch to turning on the IR by 2 to 3 seconds

Version 3.24.2.52 – Released Mar 9, 2018

Issues Fixed

- This release corrects an issue on H4 ES cameras where motion events may be missed by the ACC ES server version 6.8.0.24, resulting in possible missed recordings when the ACC ES server is set to record on motion. All users of H4 ES cameras currently operating on firmware version 3.24.2.48 should upgrade to this version of the firmware.

New Features

- For H4 ES cameras, packaged with ACC ES version 6.8.2.6

Version 3.24.2.48 – Released Feb 13, 2018

Known Issues

- H4 ES cameras should not be upgraded to this version of firmware. Please see issues fixed on version 3.24.2.52

New Features

- Added support for Unusual Motion Detection.
- For H4 ES cameras, packaged with ACC ES version 6.8.0.24

Version 3.18.2.34 – Released Jan 10, 2018

New Features

- Added support for different date formats in the on screen overlay.
- Added support for static address prefixes in IPv6.
- For H4 ES cameras, packaged with ACC ES version 6.6.2.4

Version 3.16.2.218 – Released November 3, 2017

Issues Fixed

- Internal manufacturing test fixes

Version 3.16.2.216 – Released October 11, 2017

New Features

- Added support for IPv6, not including H4 ES cameras
- Enables control over motion compensated temporal noise filter strength
- Supports face detection for use with Avigilon Appearance Search™ technology

Issues Fixed

- Increased maximum frame rate while SmartCodec is enabled for 5MP and 8MP cameras

Version 3.16.2.196 – Released August 30, 2017

New Features

- For H4 ES cameras, packaged with ACC ES version 6.4.2.10

Version 3.16.2.178 – Released July 11, 2017

New Features

- For H4 ES cameras, packaged with ACC ES version 6.2.2.8

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 3.16.2.138 – Released July 7, 2017

New Features

- Added camera tamper configuration to WebUI
- Improved Appearance Search accuracy for two objects closed together or when crossing paths

Issues Fixed

- Fixed an issue preventing FW upgrades via the WebUI
- Fixed an issue where the 8MP camera may crash in high frame rate mode when configuration is changed on the tertiary stream

Version 3.16.2.120 – Released May 31, 2017

New Features

- For H4 ES cameras, packaged with ACC ES version 6.2.0.24

Known Issues

- Cameras are unable to upgrade or downgrade FW via the WebUI. Workarounds are:
 - o Upgrade the FW via Avigilon Control Center, but upgrades to higher FW versions is possible
 - o Upgrade or Downgrade the FW via the freely available Camera Configuration Tool from <http://avigilon.com/support-and-downloads/for-software/acc/downloads/>

Version 3.16.2.90 – Released Mar 27, 2017

New Features

- For H4 ES cameras, packaged with ACC ES version 6.0.0.24
- Added support for HDSM SmartCodec

Issues Fixed

- Corrected an issue where zoom and focus setting was not retained after camera reboot
- Addressed an issue where the ONVIF subscription URL was not accounting for the URL query parameters.
- Corrected an issue resulting in poor audio input quality

Version 3.16.2.52 – Released Feb 22, 2017

New Features

- Updated ACC ES version to ACC 6.0.0.24
- Updated audio source name

Issues Fixed

- Addressed an issue where the power class was not being classified correctly.
- Fixed an issue where the ARP ping method could not be disabled in the WebUI.
- Updated WebUI layout.
- Addressed CVE-2016-5195