

## Avigilon H4 HD Cameras - Firmware Release Notes

### 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

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### Version 3.24.2.94 – Released Aug 13, 2018

#### Issues Fixed

- This release corrects an issue where digital input events are triggered on ACC even in the absence of input level change. We highly recommend all users of these cameras to update to this release
- Fixed an issue where the IP addresses could not be configured via the WebUI using IE11
- Fixes 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
- Fixes an issue where tamper events may not be generated for certain tamper scenarios
- Fixes 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

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### 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<sup>™</sup> 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:

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- Upgrade the FW via Avigilon Control Center, but upgrades to higher FW versions is possible
- 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