

# H4SL Camera Line Firmware Release Notes



## Version 4.14.0.102 – Released Aug 19, 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
  - **Warning:** If continuous recording to the SD card is enabled, then the camera must not be configured to stream in MJPEG mode with high image quality and/or frame-rate. Disregarding this may lead to the camera rebooting under certain conditions.
- 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
- Support added for TLS (Transport Layer Security) v1.3

### Issues Fixed

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

## Version 3.30.0.110 – Released Dec 23, 2020

### 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 3.30.0.82 – Released March 18, 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 to set Subject Alternative Name via ONVIF or as a part of the certificate

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- Updated camera's webUI jQuery version.signing request.

## 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 where certain privacy issues cannot be deleted from the WebUI.
- Corrected an issue where the RTSP request over HTTP contains content-length=0
- Fixed an issue where the frame rates were not being correctly presented over ONVIF Media2 interface

## Version 3.28.0.120 - Released Sept 5, 2019

### Issues Fixed

- Internal manufacturing fix

## Version 3.28.0.82– Released Jun 4, 2019

### New Features

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

## Version 3.28.0.66– Released Apr 30, 2019

### New Features

- Added support for ONVIF Profile T conformance.

## Version 3.24.2.134 – Released Dec 10, 2018

### New Features

- 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.

### Issues Fixed

- Fixed an issue where the camera drops and restarts stream if the requesting host has the term "VLC" in its name.

## Version 3.24.2.98 – Released Oct 22, 2018

- Fixed an issue where ONVIF streaming may have issue with certain VMSs due to difference in interpretation of the ONVIF specification. Media services call

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GetGuaranteedNumberOfVideoEncoderInstances to camera will now return the value 2, indicating the maximum number of concurrent streams available

## Version 3.24.2.76 – Released May 29, 2018

### New Features

- Added support for Unusual Motion Detection
- Added support for IPv6
- Added support for on screen overlay on secondary streams
- Allows use of external NTP server even when camera is connected to an ACC server
- TLSv1.0 Disabled to improve security.

### Issues Fixed

- Fixed an issue where camera framerate was limited when using idle scene mode with large secondary streams
- Fixed an issue where camera streams may de-synchronize due to use of idle scene mode
- Fixed an issue where 802.1x authentication fails if a CA certificate is removed and deselecting authenticate server option

## Version 3.16.0.234 – Released March 19, 2018

### Issues Fixed

- Corrected an issue where cameras are reporting “pipeline restart” in the camera logs which may result in a short recording gap
- Corrected an issue where the image appears to be flickering or oscillating exposure

## Version 3.16.0.222 – Released November 20, 2017

- Internal manufacturing release

## Version 3.16.0.208 – Released Sept 19, 2017

### New Features

- Enables control over motion compensated temporal noise filter strength
- Improved image exposure and quality when IR is enabled and WDR is enabled

### Issues Fixed

- Corrected an issue where highlight areas details were blown out in WDR mode

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- Corrected an issue where brightness adjustments in WDR mode were leading to image degradation

## **Version 3.16.0.194 – Released August 18, 2017**

- Corrects an issue where HDSM SmartCodec was not functioning even if enabled

## **Version 3.16.0.186 – Released July 21, 2017**

- Internal manufacturing release

## **Version 3.16.0.174 – Released July 11, 2017**

- 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.
- Improved contrast and exposure under low light conditions, IR and WDR conditions

## **Version 3.16.0.110 – Released May 19, 2017**

- Added support for Tamper Detection
- Corrected an issue where formatting SD cards via the WebUI would not actually initiate the process.
- Corrected an issue where privacy zones could not be created at the lower half of the view.

## **Version 3.12.0.34 – Released Oct 1, 2016**

- Improved image in low light scenes

## **Version 3.12.0.26 – Released Sep 22, 2016**

- Initial firmware release for the following H4 SL cameras:
  - o 1.3C-H4SL-DO1-IR
  - o 2.0C-H4SL-DO1-IR
  - o 1.3C-H4SL-BO1-IR
  - o 2.0C-H4SL-BO1-IR