Avigilon H4 IR PTZ Camera Line Firmware Release Notes

Version 4.18.0.116 – Released Feb 25, 2022

Issues Fixed
- Fixes an issue where the camera would not zoom, pan and tilt simultaneously.
- Fixes an issue with the preset speed limit, causing the camera to move when the preset speed limit was set to zero.
- Fixes an issue that could cause the camera not to zoom-out fully after a reboot.
- Fixes an issue where the camera would accept an invalid value for the tour pause duration.
- Fixes an issue causing the preset name not to be displayed correctly when saving a new preset using the camera WebUi.
- Addresses an issue causing a mismatch between the maximum exposure value displayed in the camera WebUi and the value displayed in ACC.
- Added support for unicode characters in tour names.

Version 4.18.0.80 – Released Sep 17, 2021

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 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

Issues Fixed
- Addresses an important security issue. Avigilon customers are advised to take this upgrade
- Fixes an issue where the camera's range limits could sometimes be set to incorrect values which would cause PTZ control issues to occur with certain VMSes

Version 4.10.0.38 – Released Mar 8, 2021

Issues Fixed
- Fixes an issue where the camera's video stream could sometimes be interrupted for a short period of time

Version 4.10.0.36 – Released Dec 10, 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.

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o Avigilon Control Center users require version 7.6 or later to support video retrieval functionality from the camera's SD card.
o 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 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 wel

Issues Fixed
- Fixes several issues related to 802.1x EAP-TLS client authentication

Version 3.30.0.104 – Released Sep 11, 2020

Issues Fixed
- Fixes an issue where the camera would display "Insufficient Power" with disabled pan-tilt movement when powered from a UPoE device.

Version 3.30.0.102 – Released July 24, 2020

Issues Fixed
- Fixes an issue where the image would sometimes flicker under certain conditions

Version 3.30.0.92 – Released June 18, 2020

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

Version 3.30.0.58 – Released Jan 17, 2020

Issues Fixed
- Internal manufacturing release

Version 3.30.0.46 – Released Jan 13, 2020

New Features
- Added support for high power PoE compatibility with Cisco UPoE standard, up to 60W over 4 pairs.
- Updated camera's webUI jQuery version.
- 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 enable/disable Tamper detection. The setting can be found in the Tamper Detection tab under Setup on the camera's WebUI.
- Added support to set Subject Alternative Name via ONVIF or as a part of the certificate signing request.

Version 3.28.0.112 – Released Aug 16, 2019

Issues Fixed
- Fixed an issue where GetVideoEncoderConfigurationOptions under Media2 was not returning all configurable frame rates.
- Fixed an issue from 3.28.0.94 where the temporal filter strength was changed on firmware upgrade.
- Fixed an issue where the analytics may not initialized properly on camera reboot.

Version 3.28.0.98 – Released Aug 1, 2019

Issues Fixed
- Internal manufacturing release

Version 3.28.0.94 – Released July 25, 2019

Known Issues
- This release increased the noise filtering which may result in motion artifacts. Please upgrade to the latest version or adjust the temporal noise filtering

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.

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 certain ONVIF calls for event subscription, related to monitoring digital input/output events, may fail.
- Fixed an issue where 802.1x authentication over SSL protocol TLSv1.2 would fail.
- TLSv 1.0 disabled to improve security
- 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.
- Fixed an issue where streaming over TCP to ACC might result in dropped frames.

Version 3.20.0.64 – Released November 15, 2018
- Fixed an issue where the wiper functionality may get disabled when ambient temperatures go below 10 ° C (50 ° F). Ambient temperatures higher than freezing should now support wiper functionality.

Version 3.20.0.54 – Released April 24, 2018

- Fixed an issue where a PTZ move while Image Stabilization is enabled would cause slight inaccuracy in destination position.

Version 3.20.0.50 – Released February 13, 2018

- Added a feature where the camera Day/Night Mode can be restored to "Automatic" after a user defined timeout period. This feature is useful if an operator needs to temporarily force the camera into Day or Night mode and forgets to restore back to auto.
- Added support for AUX commands over ONVIF.
- Added a single wipe feature for camera equipped with a wiper.
- Updated the camera wiper and washer sequence such that the camera returns to its original position once the washer sequence has finished to complete final wipes.
- Resolves a privilege escalation issue for operator and user accounts where HTTP or CGI commands are being executed as an administrator account. We highly recommend all users to update to this release.
- Fixed an issue where the camera would generate an error when plugged into PoE+.
- Fixed an issue where false errors would appear in device logs when a default tour starts.
- Fixed an issue where sometimes the pan-tilt movements were not smooth.
- Fixed an issue where wiper would trigger motion on the last wipe. Camera move or wiper sequence should no longer trigger motion.
- Fixed an issue so that the camera tour would resume after a wash cycle.
- Fixed an issue where the IP address could be configured in Internet Explorer 11.

Version 3.20.0.34 – Released December 22, 2017

- Added support for temporal noise filtering configured by Temporal Filter Strength on the WebUI.
- Improved autofocus performance in low light.
- Improved low light image quality.
- Added Wiper/Washer controls to the WebUI.
- Added a feature where IR can be enabled or disabled via ONVIF interface.
- Added support for changing date format overlay.
- Added support for IPV6.
- Fixed an issue where zoom position would not restore after changing flicker.
- Fixed an issue where the camera would not reboot if a firmware update happens in cold-start.
- Corrected a behaviour so that the focus controls in the WebUI are functional.
- Fixed an issue where tours would not work in cold-start condition.
- Corrected a behaviour such that SNMP temperature traps get sent.
- Fixed an issue where the camera logs showed an error message after factory reboot.
- Fixed an issue where the camera would crash if presets and tour were deleted from the WebUI.
- Fixed an issue where sometimes SmartCodec could not be enabled on the WebUI.

Version 3.20.0.30 – Released December 4, 2017

- Initial firmware release for the following H4 Thermal cameras:

  o   1.0C-H4IRPTZ-DP45
  o   2.0C-H4IRPTZ-DP30

- 1.0C-H4IRPTZ-DP45-WP
- 2.0C-H4IRPTZ-DP30-WP