

# Avigilon HD H.264 H3 Firmware Release Notes

## **Version 2.2.0.160 – 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 2.6.0.156 – Released May 5, 2017**

### *Issues Fixed*

- Special characters can now be used in username when configuring users in the WebUI.
- Extended digital output timeout from 1 hour (3600 seconds) to 24 hours (86400 sec).

## **Version 2.6.0.140 – Released June 9, 2016**

### *New Features*

- Upgraded OpenSSL version to improve security between client and server.
- Firmware packages are signed to verify authenticity.

### *Issues Fixed*

- Fixed an issue where the camera would go out of focus after reboot.
- Fixed an issue where configuring the camera to use a static IP address in the WebUI then back to DHCP would cause the camera to report the IP address in the wrong part of the ONVIF message.
- Fixed an issue where the camera WebUI misrepresented the saturations settings.
- Fixed an issue where the status bar was missing from some WebUI pages.
- Fixed an issue where Kanji characters in the camera name would corrupt the time zone settings.
- Fixed an issue where the NTP server would not revert to default settings when Restore Defaults is executed in the WebUI.
- Fixed an issue where triggering a digital output would prevent the user from applying changes to Digital Inputs and Outputs settings in the WebUI.
- Fixed an issue where the time zone and day light savings settings would not revert to default settings when Restore Defaults is executed in the WebUI.

## **Version 2.6.0.130 – Released April 6, 2016**

### *Issues Fixed*

- Fixed an issue where the camera would randomly reboot

## **Version 2.6.0.116 – Released March 11, 2016**

### *Issues Fixed*

- Fixed a time synchronisation issue that appeared in some cameras

## **Version 2.6.0.114 – Released February 26, 2016**

### *Issues Fixed*

- Fixed an issue where the camera would reboot every 45 days

### **Version 2.6.0.100 – Released October 12, 2015**

#### *Issues Fixed*

- Fixed an issue where switching to monochrome while at maximum zoom would make the camera out of focus
- Fixed an issue where changing some camera settings would error out the camera
- Fixed an issue with the WebUI where the icons under motion detection would not display properly
- Corrected the behaviour where the WebUI would appear to have started the upgrade but the upgrade was not actually triggered
- Upgraded OpenSSL version to improve security between client and server

### **Version 2.6.0.94 – Released June 10, 2015**

#### *New Features*

- Added support for Chinese characters in overlay

#### *Issues Fixed*

- Corrected an issue where a space character in the 802.1x description prevents it from being used
- Fixed a security issue where the 802.1x passwords were being returned in plaintext
- Camera now reports correct secondary stream resolutions in MJPEG mode

### **Version 2.6.0.90 – Released May 14, 2015**

#### *New Features*

- Added capability to use x-dimensions RTSP SDP attribute to handle MJPEG RTP streams exceeding 2040 pixels for clients not using the ONVIF extensions

#### *Issues Fixed*

- Corrected an issue where the camera auto exposure would oscillate when the camera is pointed at the sun, resulting in a strobing image.
- Corrected an issue for the 3.0MP WDR cameras where under short manual exposure settings, the colours in saturated areas would appear to be pink
- Corrected the video output for the 1.3MP LightCatcher to a 16:9 aspect ratio
- Corrected the ONVIF response as MotionActive for both Pull Message and Get Event Properties responses

### **Version 2.6.0.82 – Released Feb 20, 2015**

#### *New Features*

- Added option to synchronize the digital I/O to the IR cut filter
- Changed SD card recording option to enable the “Record only when server connection is interrupted” by default
- Added an information display to report the current digital input status

- Added support for UTF-8 and UTF-32 characters in the camera name and location fields

#### *Issues Fixed*

- Corrected the port range used for RTP / RTCP connections from 51000-63000 to 51000-55000
- Fixed a web server generic cookie injection and web server generic XSS vulnerability
- Corrected an audio issue where the audio stream would be garbled when audio stream is connected to two ACC servers simultaneously
- Corrected an issue where a Katakana name entered into the 802.1x UI may cause the camera to reboot
- Corrected an issue where changing the resolution may cause the camera to reboot
- Corrected an issue where the RTSP URI generated in the Web UI did not follow the RTSP port settings
- Corrected an issue where the “Apply” and “Restore Buttons” in the Web UI do not appear when using Internet Explorer 11
- Corrected an issue where a status of “Apply failed!” was reported when switching between DHCP and static IP. However, the actual settings were committed into the camera.

#### **Version 2.6.0.74 – Released Jan 26, 2015**

##### *Issues Fixed*

- Corrected an issue where certain cameras may incorrectly overexpose a scene

#### **Version 2.6.0.56 – Released Nov 21, 2014**

##### *New Features*

- Added ability to configure MTU sizes in the network configuration
- Added option to retain usernames and password on firmware revert

##### *Issues Fixed*

- Corrected an issue where very short duration files saved to SD cards, due to short duration movement in static scenes, would be corrupted
- Upon restore default, the camera’s configuration LED is now set to enabled
- Corrected an issue where a change to the camera’s name and location via ACC would not take effect on the camera’s overlay
- Corrected an issue where the firmware filename in the upgrade firmware dialog would be truncated

#### **Version 2.6.0.48 – Released Sept 22, 2014**

##### *New Features*

- Added ability to optimize focus under IR lighting conditions

#### **Version 2.6.0.42 – Released Sept 8, 2014**

##### *New Features*

- Added support for GB compliant mode of operation

- Ability to take a JPEG image snapshot to SD Card in MJPEG mode

### **Version 2.6.0.36 – Released July 4, 2014**

#### *New Features*

- Timestamp overlay now available on primary stream
- Increased number of privacy zones to 64

#### *Issues Fixed*

- Timestamp for onboard storage is corrected to be time of first frame recorded instead of file creation time
- NTP configuration dialog controls fixed to properly reflect configured settings
- Switching 802.1x configuration when using certificate based authentication is now working

### **Version 2.6.0.32 – Released May 16, 2014**

#### *New Features*

- 802.1x authentication support using PEAP and EAP-TLS

### **Version 2.6.0.22 – Released April 22, 2014**

#### *New Features*

- Improved color accuracy for automatic white balance and WDR cameras

#### *Issues Fixed*

- Fixed garbled audio when sending audio stream to multiple servers simultaneously

### **Version 2.6.0.18 – Released Feb 25, 2014**

#### *Issues Fixed*

- Fixed intermittent reboot issues on H3 box cameras

### **Version 2.6.0.14 – Released December 24, 2013**

#### *New Features*

- Improved color accuracy when using manual white balance

#### *Issues Fixed*

- In WebUI, NTP server settings now accept IP address in addition to hostnames
- Reduced false motion detection during low light

### **Version 2.4.10.6 – Released October 15, 2013**

#### *New Features*

- Improved black-level adjustment at night
- LightCatcher cameras switch to monochrome at a lower light level
- Initial release for the following LightCatcher H.264 HD cameras:
  - 1.3L-H3-B1
  - 1.3L-H3-B2
  - 1.3L-H3-B3

- 1.3L-H3-DC1
- 1.3L-H3-DC2
- 1.3L-H3-DP1
- 1.3L-H3-DP2
- 1.3L-H3-DO1
- 1.3L-H3-DO2
- 1.3L-H3-D1
- 1.3L-H3-D2

*Issues Fixed*

- Cameras in WDR mode switch to monochrome at the same light level as when they are not using WDR mode
- For cameras with integrated IR, improved focus when switching from color to monochrome
- Removed false motion detection when adaptive IR is on

**Version 2.4.10.4 – Released September 12, 2013**

*New Features*

- Improved colors when primary stream compression is MJPEG
- Improved sharpening and saturation
- Increase effectiveness of sharpness slider

*Issues Fixed*

- Focus and zoom position lost after reboot (introduced in version 2.4.10.2 ONLY)

**Version 2.4.6.30 – Released July 30, 2013**

*New Features*

- Ability to stream from camera to an FFmpeg player

*Issues Fixed*

- Camera automatically refocuses when the zoom position is changed
- Removed false motion detection when IR is on

**Version 2.4.6.26 – Released June 7, 2013**

*New Features*

- WebUI JPEG URI in the compression setup page shows the IP-address or hostname

*Issues Fixed*

- WebUI Apply button is only enabled if something is changed
- WebUI System page is refreshed after an upgrade/reboot/restart

**Version 2.4.6.22 – Released March 25, 2013**

*New Features*

- Full resolution still image HTTP URI available in web interface when primary stream compression is MJPEG

- ONVIF Profile S conformant
- Motion detection sensitivity is reduced during movement of the IR cut filter movement to prevent false motion detection events
- Content adaptive IR sensitive to smaller objects
- Support for indoor and outdoor domes with integrated IR illuminator with zoom and scene adaptive IR illumination
- Privacy zones are masked for auto-exposure and backlight compensation

#### *Issues Fixed*

- Monochrome encoding issue that could result in false color applied on display addressed
- DHCP gateway displayed correctly in web interface

### **Version 2.4.2.8 – Released December 21, 2012**

#### *Issues Fixed*

- Backlight compensation control issue resolved for 1MP, 2MP, and 5MP cameras

### **Version 2.4.2.6 – Released December 14, 2012**

#### *New Features*

- Scene-adaptive wide dynamic range algorithms added to 3.0W-H3 WDR cameras and dome cameras improving image quality and dynamic range for all scenes
- Improved white balance speed and color reproduction for 3.0W-H3 WDR cameras and dome cameras
- Additional optimization of automatic P-Iris control to improve image sharpness and detail at all light levels
- Extended browser support for web user interface
- Improved monochrome encoding, improving resolution in moderate low light
- Optimized sharpening settings for improved image quality in bright conditions

#### *Issues Fixed*

- Status LED behavior updated
- Focus issue with presets resolved
- Potential reboot of 3.0W-H3 after resolution change resolved
- Backlight compensation issue for 3MP and 5MP H3 cameras resolved
- Genetec connection issue resolved
- Various web user interface issues resolved

### **Version 2.4.0.20 – Released June 27, 2011**

#### *Issues Fixed*

- Potential issue with increased video latency when running at maximum bit rate for extended periods

### **Version 2.4.0.18 – Released June 22, 2011**

*New Features*

- Initial release of firmware for the following HD H.264 cameras
  - 1.0-H3-B1
  - 2.0-H3-B1

**Version 2.4.0.14 – Released June 12, 2011**

*New Features*

- Initial release of firmware for the following HD H.264 cameras and dome cameras:
 

<ul style="list-style-type: none"> <li>○ 1.0-H3-B2</li> <li>○ 2.0-H3-B2</li> <li>○ 3.0W-H3-B2</li> <li>○ 5.0-H3-B2</li> <li>○ 1.0-H3-D1</li> <li>○ 1.0-H3-DO1</li> <li>○ 1.0-H3-DP1</li> <li>○ 1.0-H3-DC1</li> <li>○ 2.0-H3-D1</li> <li>○ 2.0-H3-DO1</li> </ul>	<ul style="list-style-type: none"> <li>○ 2.0-H3-DP1</li> <li>○ 2.0-H3-DC1</li> <li>○ 3.0W-H3-D1</li> <li>○ 3.0W-H3-DO1</li> <li>○ 3.0W-H3-DP1</li> <li>○ 3.0W-H3-DC1</li> <li>○ 5.0-H3-D1</li> <li>○ 5.0-H3-DO1</li> <li>○ 5.0-H3-DP1</li> <li>○ 5.0-H3-DC1</li> </ul>
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