



CP-6408-21-I

Release Notes

Firmware v1.6.0.16

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Document History

Revision	Date	Comment
100	February 26, 2020	v1.6.0.16

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1 Version Content

This release supports the [Key Features](#) in section 3. These release notes also document [Supported Products and Platforms](#), [Upgrading the Camera Firmware](#), and the [Known Issues and Limitations](#).

1.1 Firmware Version Details and Download Locations

Firmware Version	v1.6.0.16
Download URL	https://flir.box.com/v/CP6408FirmwareV6016

1.2 DNA Tool

Download FLIR DNA (Discovery Network Assistant) from [here](https://flir.box.com/v/DNA-Software) (<https://flir.box.com/v/DNA-Software>).



2 Supported Products and Platforms

This release supports:

Product/Platform Name	Description
CP-6408-21-I	Indoor/outdoor 4K-capable PTZ IP camera. The camera supports up to two streams at 8MP. The unit features True Day/Night (ICR) and infrared LED illuminators.
United VMS	Latitude/Horizon/Meridian update 8.0.5 and later
Microsoft Windows®	Version: 10
FLIR Discovery Network Assistant	Version: 2.3.0.12
Web browsers	Camera web interface fully supports the latest version of Google Chrome®, and provides limited support for the latest versions of Mozilla Firefox®, Microsoft Edge®, and Microsoft Internet Explorer®.
ONVIF® Test Tool	V19.06
Third-party VMSs (supported with limitations; internal testing only)	Milestone Corporate, Genetec, exacqVision, Avigilon

Note

Do not use this firmware version in any other device or for any other purpose.



3 Key Features

3.1 4K Video Stream Support

The camera supports up to two video streams at a maximum of 30 fps at 4K (3840 x 2160) and 30 fps at VGA (640 x 480). The camera supports H.264 & MJPEG video compression.

3.2 PTZ Control

The camera provides PTZ control, including movement (pan, tilt, and zoom), assigning presets, and assigning a home position. The camera provides 22x optical zoom on evidentiary 4K resolution; comparable to 44x optical zoom on a 1080p camera.

3.3 Enhanced Low Light Sensitivity & WDR

The camera provides a particularly sensitive image in low light conditions, prolonging the amount of time it can provide usable color video. In addition, it provides True/Shutter WDR and noise reduction.

3.4 IR LED Control

The camera provides IR LEDs that can automatically activate and illuminate to up to 200 meters (656 feet).

3.5 Enhanced Cybersecurity

The camera supports the configuration and use of TLS and IEEE 802.1x, and has an internal firewall.

3.6 Additional Interfaces

The camera supports audio in, audio out, alarm in, and alarm out.

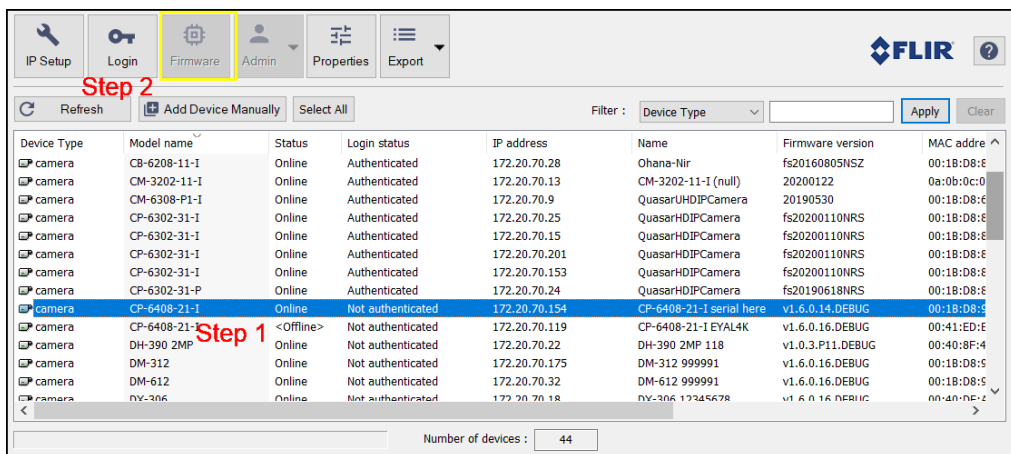
4 Upgrading the Camera Firmware

Before upgrading the camera firmware, download it from the [Firmware Location](#).

To upgrade the camera firmware, you can use the DNA tool or the camera's web page. For information about how to upgrade the firmware using camera's web page, see the camera's user guide.

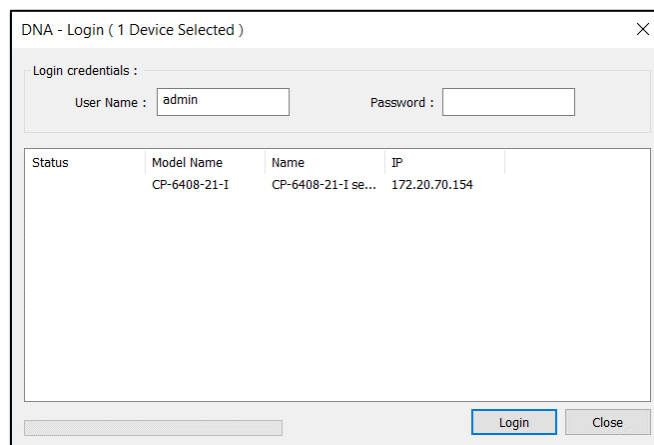
To upgrade the camera's firmware using the DNA tool:

1. Open the DNA tool and select the camera(s) you are upgrading from the Discover List.



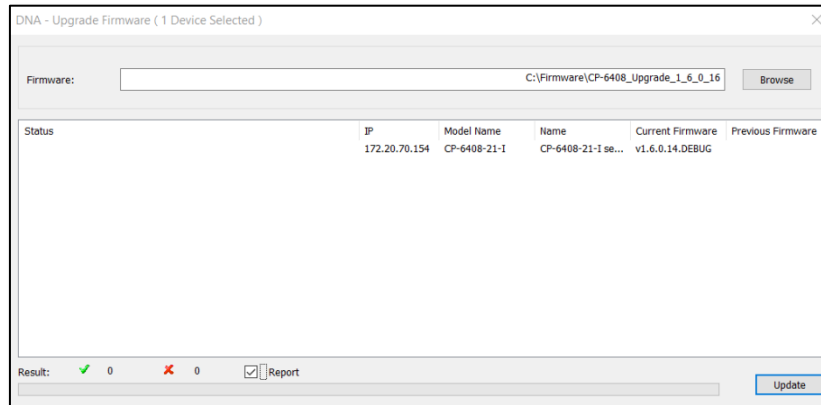
2. Authenticate the camera.

- a. Click **Login**.
- b. In the **DNA - Login** window, make sure *admin* is the User Name, type the password for the admin user (default: *admin*), and then click **Login**.



- c. After the Status becomes **OK**, click **Close**. In the Discover List, the camera login Status is now *Authenticated*.

3. From the Discover List, select the camera again and click **Firmware**.
4. In the **Update Firmware** window, click **Browse**, and then select the firmware upgrade file.



5. Click **Update**.



5 United VMS Compatibility

This firmware release is approved for United VMS 8.0.5 or higher.

To use United VMS 8.0, you need to install an Update Patch. For more information, see the UVMS support documentation.

Earlier United VMS versions, from 7.0 and later, support this camera and firmware, with limitations regarding adaptive streaming, and other video and picture settings. In addition, when using the FLIR plugin for discovery, use port 80 instead of the default 8081.

To discover the CP-6408-21-I camera in Admin Center, for the Unit Type, select **FLIR**.



6 Known Issues and Limitations

The following table lists the known issues and limitations in this release:

Issue ID	Summary	Comment
V4KIR-186	Latitude > The camera is not being discovered by IP range	UVMS
V4KIR-216	Avigilon I/O - Issues with digital outputs	
V4KIR-224	VMS - Milestone - "HTTP Snapshot" streaming method not working with MJPEG	Limitation
V4KIR-227	VMS - Avigilon - Issues when the camera is added via HTTPS	Limitation
V4KIR-236	Manual focus behavior/performance is poor/erratic	
V4KIR-239	VMS - Milestone - Problems when changing the codec from H264 to MJPEG with the maximum resolution selected	
V4KIR-251	Beta case #0023400 - Tearing/drops on the video in Genetec compared with VLC	
V4KIR-269	Video is still visible after the session has expired	
V4KIR-276	Beta case #0024203 - Car lights are pulsing in the video	
V4KIR-277	Beta case #0024214 - Noticeable refocus on jump to preset	
V4KIR-285	Camera web UI > Microsoft Edge > Control over the PTZ and navigation are poor	
V4KIR-295	Go to preset & autofocus > Go to preset does not switch to autofocus	
V4KIR-296	Analog out (BNC connector) does not work	
V4KIR-303	ONVIF - Camera declares AAC as available	
V4KIR-306	Video - Changing the resolution to 4K from any other takes up to 15 seconds	
V4KIR-308	Video - H264 maximum frame rate is not reached	
V4KIR-309	PTZ - After going to a preset, PTZ is unresponsive for ~1 sec	
V4KIR-310	Web page > Firefox > It is not possible to create users	
V4KIR-311	ONVIF & VMS > H264 Quality setting has no effect on bandwidth	
V4KIR-312	ONVIF > user with Role=user has no control over the PTZ (different behavior than camera web page)	
V4KIR-315	Beta case #0027430 - Focus remains manual when moving the camera	
V4KIR-319	Camera Web Page - Video - When H264 is selected, the I-Frame Interval option appears twice.	
V4KIR-320	Camera Web Page - Video - When MJPEG codec is selected, the I-Frame Interval option appears.	
V4KIR-322	Latitude opens two streams simultaneously (video is corrupt)	



V4KIR-323	When HTTPS Redirect is On, device is not discovered via UPNP	
V4KIR-335	Beta case #0028607 Video quality compared to CP-6302-31-I	
V4KIR-341	ONVIF & VMS - WDR Level setting is lost on reboot	Avigilon issue
V4KIR-342	Video - H264 Bitrate - The actual value is higher than programmed	
V4KIR-344	Video & Webpage & ONVIF - Iframe interval ranges are wrong	
V4KIR-361	Auto-focus is slower compared to CP-6302	
V4KIR-364	VMS - Milestone - Audio in delays	
V4KIR-366	PLANET POE-172 - Communication issues	Use PLANET POE-173
V4KIR-367	ONVIF - WDR changes don't seem to take effect	
V4KIR-368	VMS - exacqVision - Audio delay	
V4KIR-369	VMS - exacqVision - Focus controls do not work	
V4KIR-370	VMS - Avigilon - Audio level is too low	
V4KIR-371	VMS - Genetec - VBR does not deliver more than 3Mbps	



7 Disclaimer

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