


**AVIGILON™**

AVIGILON 2.0C-H5A-  
IRPTZ-DP40-WP H5A  
PTZ Camera with IR



# AVIGILON 2.0C-H5A-IRPTZ-DP40-WP H5A PTZ Camera with IR Installation Guide

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**AVIGILON™**

**AVIGILON 2.0C-H5A-IRPTZ-DP40-WP H5A PTZ Camera with IR**



## Important Safety Information

This manual provides installation and operation information and precautions for the use of this device. Incorrect installation could cause an unexpected fault. Before installing this equipment read this manual carefully. Please provide this manual to the owner of the equipment for future reference.



This Warning symbol indicates the presence of dangerous voltage within and outside the product enclosure that may result in a risk of electric shock, serious injury or death to persons if proper precautions are not followed.



This Caution symbol alerts the user to the presence of hazards that may cause minor or moderate injury to persons, damage to property or damage to the product itself if proper precautions are not followed.



**WARNING** — Failure to observe the following instructions may result in severe injury or death.

- Installation must be performed by qualified personnel only, and must conform to all local codes.
- This device should be installed in restricted access locations.
- Installation must be performed while the camera is disconnected from power.
- This product is intended to be supplied by a UL Listed Power Unit marked "Class 2" or "LPS" or "Limited Power Source" with output rated 24VAC $\pm$ 10%, 110 VA min.; 24VDC $\pm$ 10%, 75 W min. or a PoE injector 802.3bt 90W Single Port such as POE90U-1BT.
- Do not connect directly to mains power for any reason.

**CAUTION** — Failure to observe the following instructions may result in injury to persons or damage to the device.

- Do not install near any heat sources such as radiators, heat registers, stoves, or other sources of heat.
- Do not subject the device cables to excessive stress, heavy loads or pinching.
- Refer all device servicing to qualified personnel. Servicing may be required when the device has been damaged (such as from a liquid spill or fallen objects), does not operate normally, or has been dropped.
- Do not use strong or abrasive detergents when cleaning the device body.

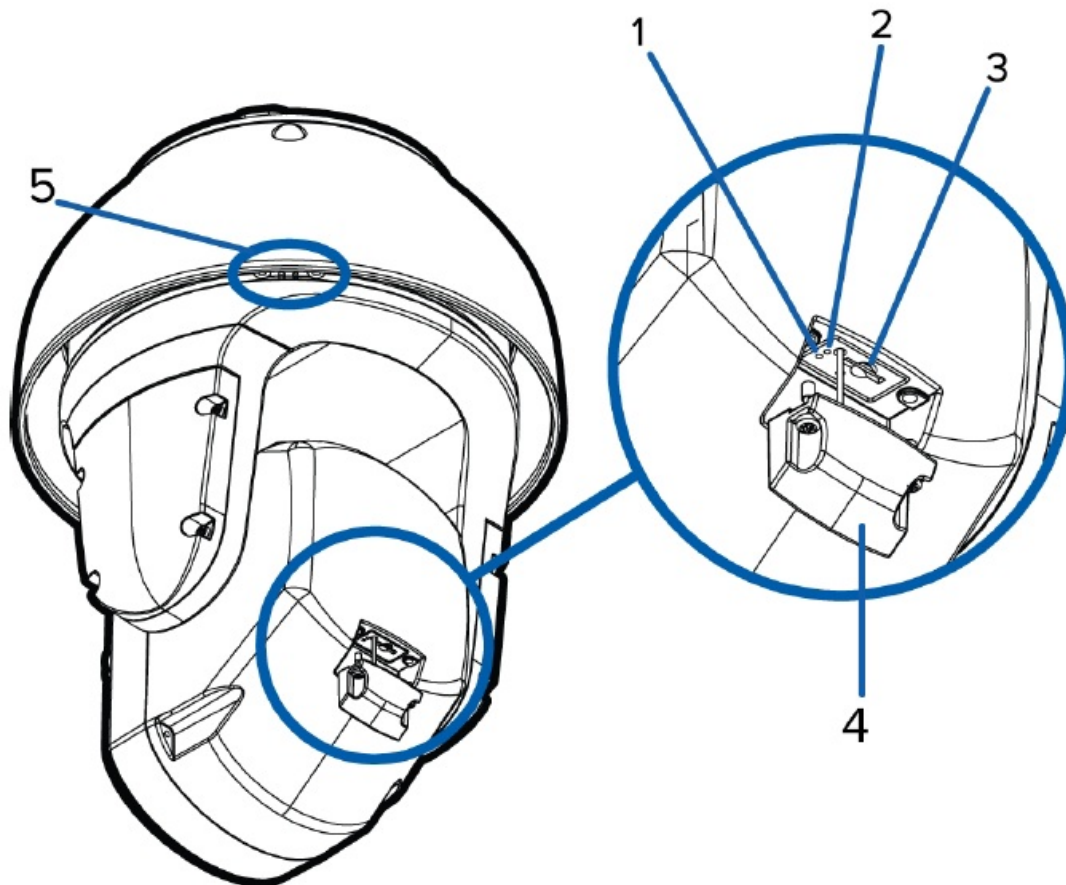
- Use only accessories recommended by Avigilon.

For IR safety, the minimum usage distance shall be 380 mm (15") distance or greater.

Risk Group 1. NOTICE: IR emitted from this product. Use appropriate shielding or eye protection.

## Overview

### Rear View



#### 1. Link LED indicator

Amber LED indicates if there is an active connection in the Ethernet port.

#### 2. Connection status LED indicator

Green LED provides information about device operation. For more information, see Connection Status LED Indicator on page 23.

#### 3. microSD card slot

Accepts a microSD card for onboard storage. For more information, see (Optional) Configuring Onboard Storage on page 15.

#### 4. microSD cover

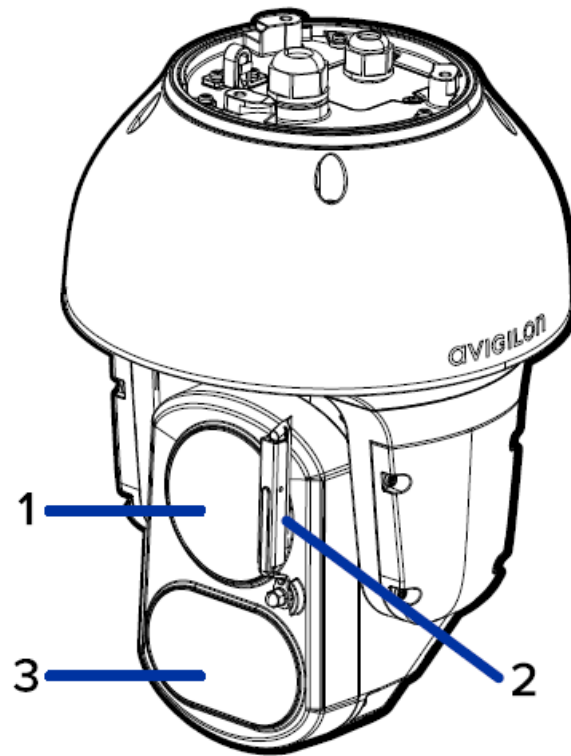
Protective cover for the microSD card slot. Uses tamper resistant screws to secure the cover.

#### 5. Sprayer mounting location

An optional washer can be mounted at this location for cleaning the lens and IR window . Connect digital output 1 from the camera to the washer pump. This will allow the camera WebUI or Avigilon Control Center to activate the washer whenever a washing sequence is initiated. For more information, please refer to the PTZ Camera Web Interface User Guide. The washer and cleaning liquid are sold separately.

Install the sprayer mounting bracket by tightening the provided screws into this location.

### Front View



#### 1. Lens

The camera lens is housed behind a protective window.

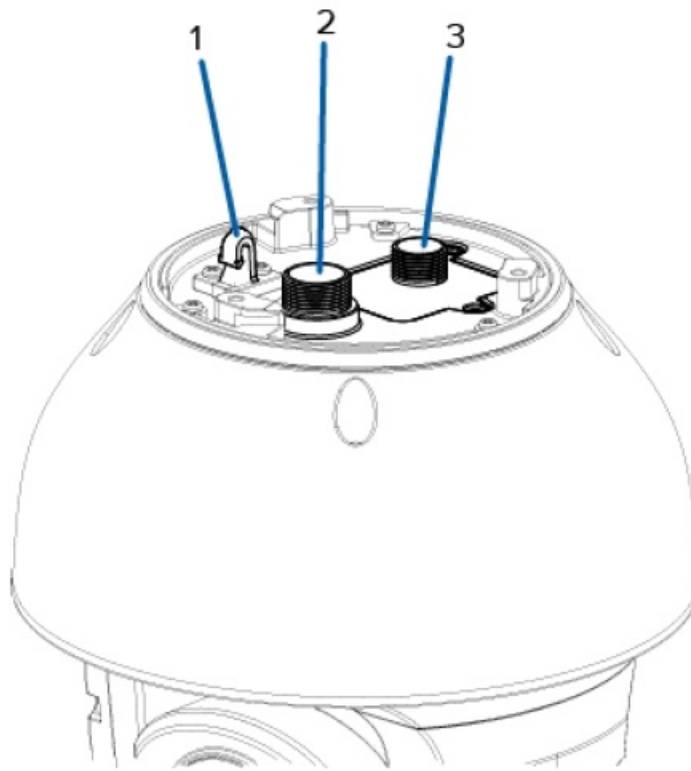
#### 2. Wiper

Wiper rotates 180° to clean both lens and IR window.

#### 3. Variable IR Illuminators

High powered infrared LEDs with variable field of view to accommodate different low light situations. The IR illuminators are housed behind a protective window.

### Top View



1. Lanyard anchor

The safety lanyard attaches to the anchor to prevent the camera from falling during installation.

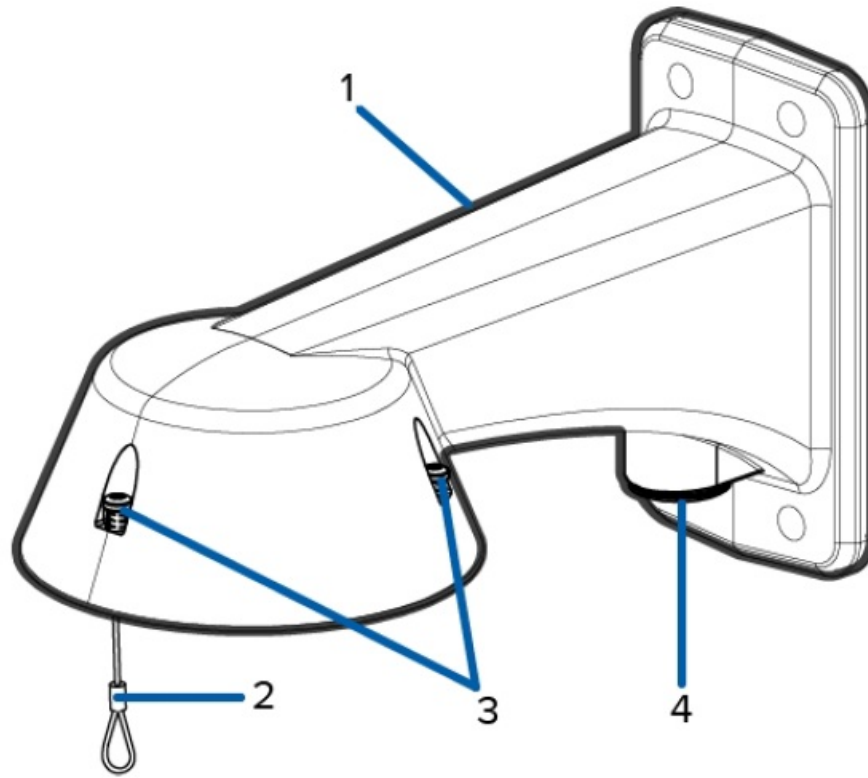
2. Ethernet port

Accepts an Ethernet connection to a network. Server communication and image data transmission occurs over this connection. Also receives power when it is connected to a network that provides Power over Ethernet.

3. Power and I/O cables

Cables for connecting the camera to auxiliary power and I/O devices. For more information, see [Connecting to Power and External Devices](#) on page 19.

**Pendant Wall Mount View**



1. Pendant wall mount

Camera mount for walls and other mounting surfaces.

2. Lanyard

Connects to the lanyard anchor on the camera base.

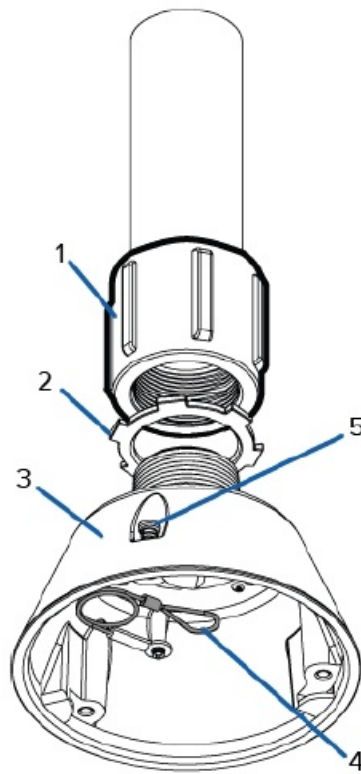
3. Tamper resistant screws

Star captive screws to fix the dome camera to the mounting adapter.

4. NPT pipe entry hole

A 3/4" NPT threaded hole for NPT pipe conduits.

**NPT Mount View**



1. 1-1/2" NPT-female to NPT-female adapter

An adapter for attaching the pendant NPT mount to an NPT pipe.

Note: The adapter is not an included accessory supplied by Avigilon and should be sourced separately.

2. Lock nut

Locking nut for securing the pendant NPT mount on the NPT-female to NPT-female adapter.

3. Pendant NPT mount

Dome camera mount for NPT pipes.

4. Lanyard

Connects to the lanyard anchor on the camera base.

5. Tamper resistant screws

Star captive screws to fix the dome camera to the mounting adapter.

## Installation

### Package Contents

Note: The pendant wall mount and pendant NPT mount are sold separately.

### Ensure the camera package contains the following:

- Avigilon H5A IR PTZ Camera
- T20 star key
- T10 star key
- 3 x RJ-45 crimp-on plug
- External power and I/O wiring harness
- Sprayer mounting bracket and installation screws (only for models with wiper)

**If you are installing the camera with the pendant wall mount, ensure the package includes the following:**

- Pendant wall mount (IRPTZ-MNT-WALL1)
- Mounting template sticker

**If you are installing the camera with the NPT mount, ensure the package includes the following:**

- NPT mount (IRPTZ-MNT-NPTA1)
- Lock nut
- Thread sealing tape

### **Retrofitting an H4 IR PTZ**

The Avigilon H5A IR PTZ camera provides easy retrofitting with Avigilon H4 IR PTZ camera installations, with a few exceptions. Keep the following points in mind if you are swapping a new H5A IR PTZ with an installed H4 IR PTZ:

- Re-use the original mounting location. The H5A IR PTZ is designed to install into the same wall arm or NPT mounting location as the H4 IR PTZ.
- H4 IR PTZ PoE requirements are different from the H5A IR PTZ, which requires an PoE injector 802.3bt 90W Single Port. The legacy PoE injectors used with the H4 IR PTZ are probably not compliant with IEEE 802.3bt and a new PoE injector should be sourced for the H5A IR PTZ installation. The recommended PoE injector is POE90U-1BT.

### **Installation Steps**

Complete the following sections to install the device.

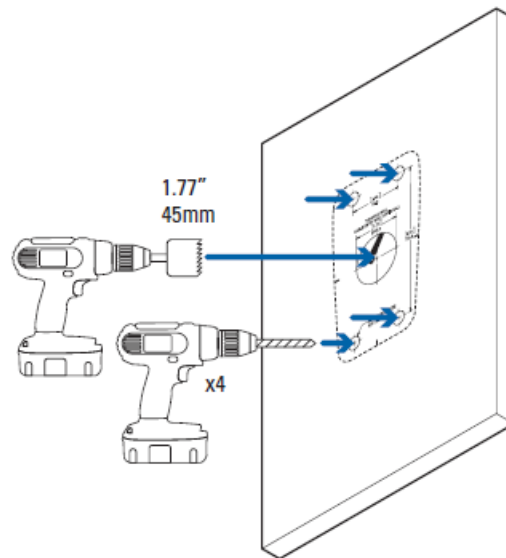
#### **Installing the Mounting Adapter**

- The PTZ camera can only be mounted to a pendant wall mount (IRPTZ-MNT-WALL1) or a pendant NPT mount (IRPTZ-MNT-NPTA1). The mounts are sold separately.
- Use the pendant wall mount if you will be mounting the camera to a vertical mounting surface such as a wall.
- Use the pendant NPT mount if you will be mounting the camera to a 1-1/2" NPT pipe for a free hanging installation.

#### **Installing the Pendant Wall Mount**

1. Determine where the cables will enter the pendant wall mount.
  - If the cables will be pulled from inside the mounting surface, use the cable entry hole at the rear of the pendant wall mount.
  - If the cables will be coming out of an external conduit pipe, use the 3/4" NPT pipe entry hole on the bottom of the pendant wall mount.
2. Use the provided mounting template to drill four mounting holes into the mounting surface.
  - If you are using the rear cable entry hole, also drill the cable entry hole into the mounting surface.





3. Pull the required cables through the preferred cable entry hole on the pendant wall mount.

- If you are using the pipe entry hole, pull the cables through the pipe conduit then the wall mount. Next, apply thread seal tape to the pipe conduit and screw it into the pipe entry hole.

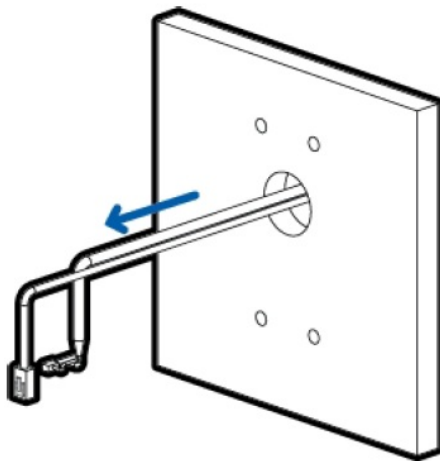


Figure 1: Cables pulled from the back entry hole.

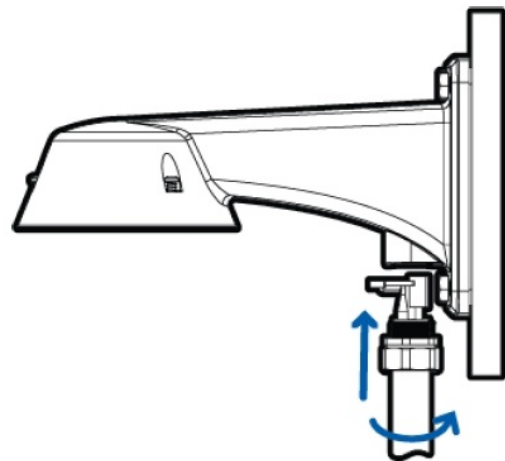
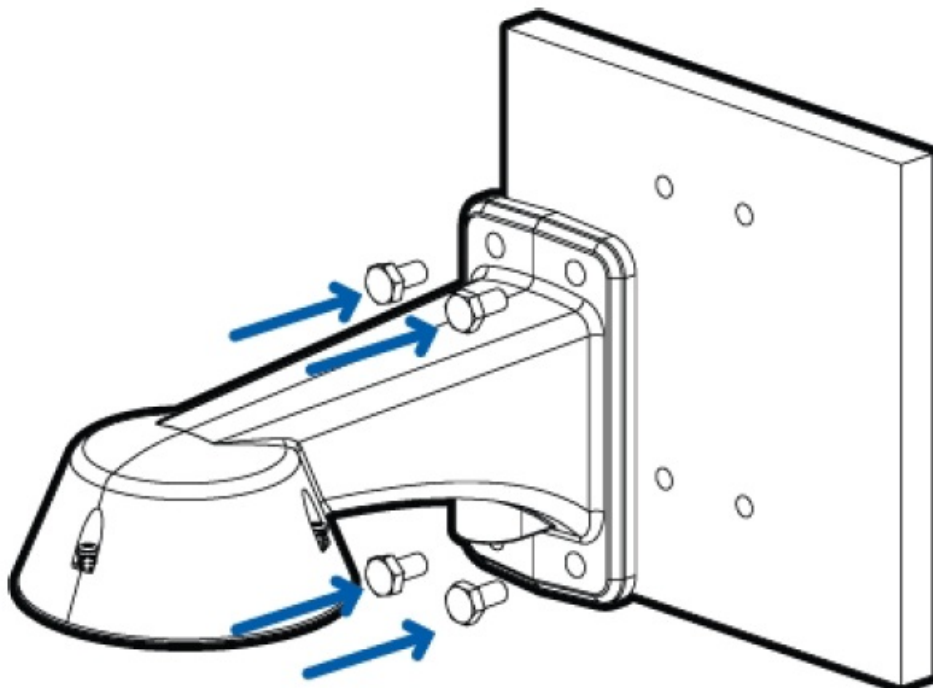
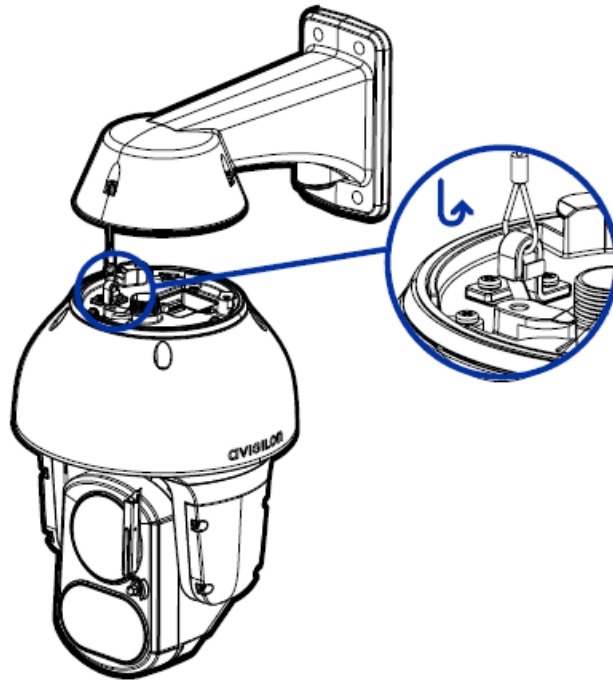


Figure 2: Cables pulled from the conduit entry hole.

4. Fasten the pendant wall mount to the mounting surface.



5. Tighten the wall mount screws to secure the wall mount to the wall.



6. Connect the safety lanyard from inside the wall mount to the anchor on the PTZ camera.

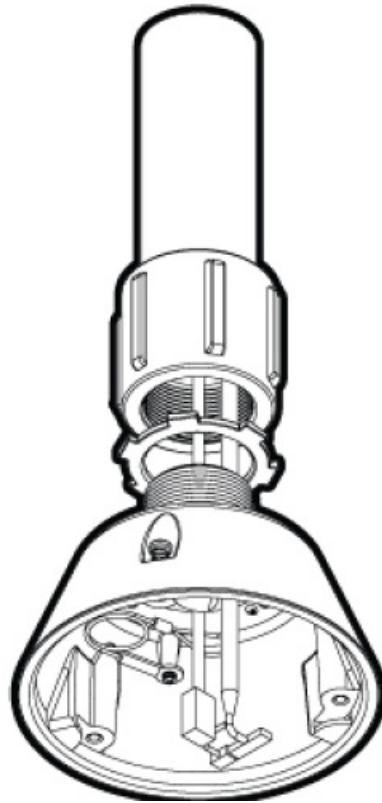
### Installing the NPT Mount

**Note:** This procedure requires a 1-1/2" NPT-female to NPT-female pipe adapter. It is recommended that the NPT adapter be mounted to a 1-1/2" conduit pipe.

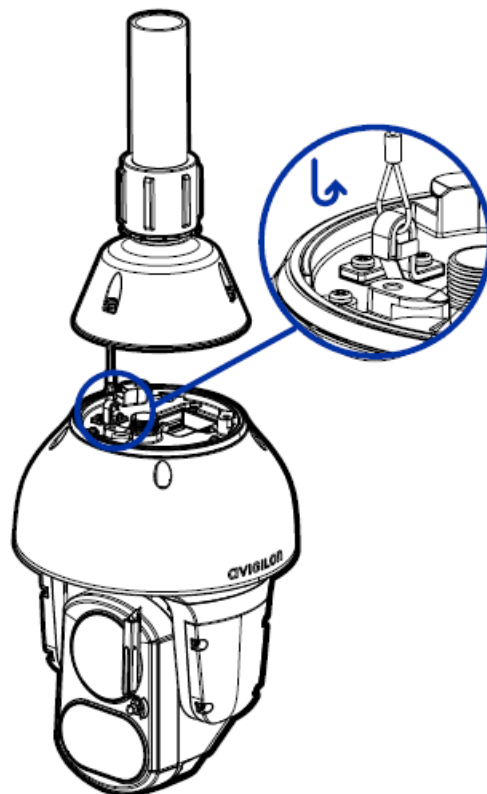
1. Pull the required cable through the NPT conduit pipe.
2. Apply thread seal tape to the pipe and screw on the 1-1/2" NPT female to NPT female pipe adapter.
3. Screw the lock nut onto the NPT adapter.
4. Apply thread seal tape to the NPT adapter and screw it into the pipe adapter.

Make sure the parts are assembled in this order from NPT conduit pipe to camera adapter:

- NPT conduit pipe
- 1-1/2" NPT female to female pipe adapter
- Lock nut
- NPT adapter



5. Connect the safety lanyard from inside the NPT mount to the anchor on the PTZ camera.

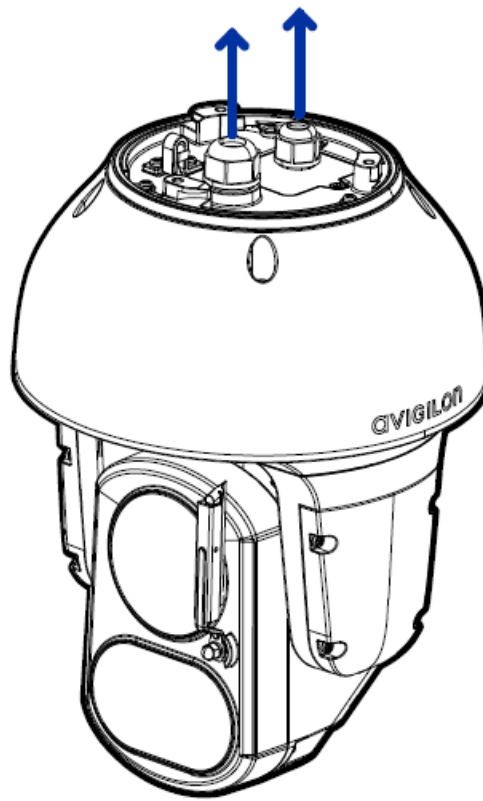


### Connecting Cables

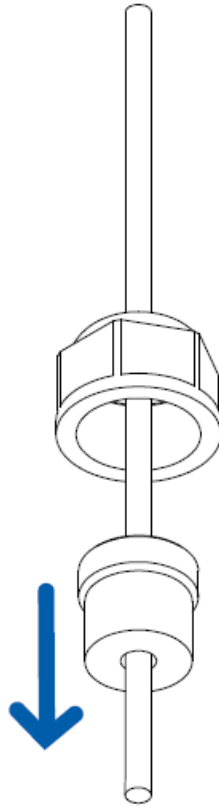
Refer to the diagrams in the Overview section for the location of the different connectors. To connect the cables required for proper operation, complete the following:

Note: The PTZ camera does not support cables with boots and strain reliefs.

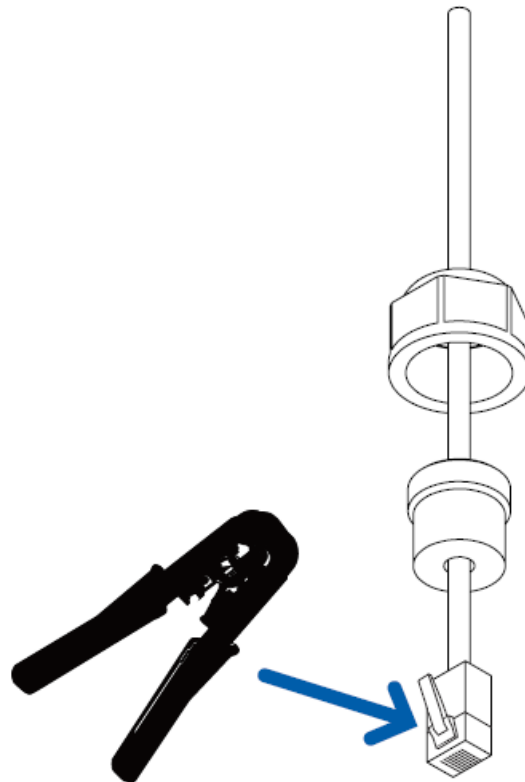
1. Make sure the safety lanyard is connected to the camera.
2. Remove the sealing gland caps from the top of the camera.



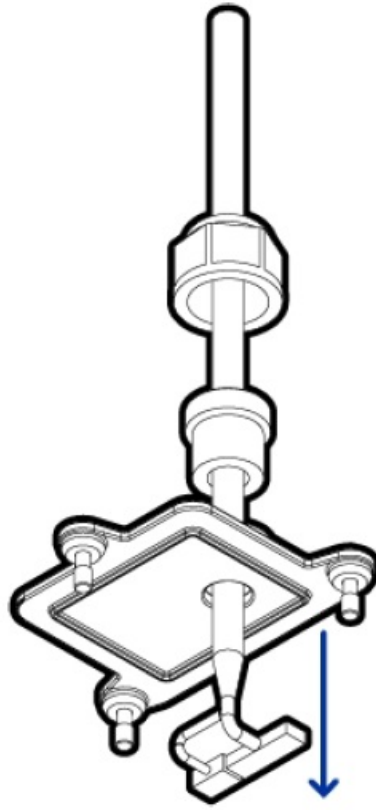
3. If there are external input or output devices that need to be connected to the camera (for example: door contacts, relays, analog video, speakers, etc.), connect the devices to the camera I/O connector cable.
4. Connect power using one of the following methods:
  - PoE injector 802.3bt 90W Single Port (POE90U-1BT) — Connect an Ethernet network cable to the injector.
  - External Power — Connect a 24 V DC or 24 V AC (RMS) auxiliary power source that supports up to 75 W or 110 VA.For more information, see [Connecting to Power and External Devices](#) on page 19.
5. Thread the Ethernet cable into the cable gland.
  - The cable gland for the Ethernet cable already has an opening for the cable along the side of the gland. Do not cut or slice the cable gland. This may make it possible for water to enter the camera, and could void the warranty.
  - Push the cable through the gland cap, and then the opening on the side of the cable gland. Ensure the orientation of the cable and cable gland matches the following image.



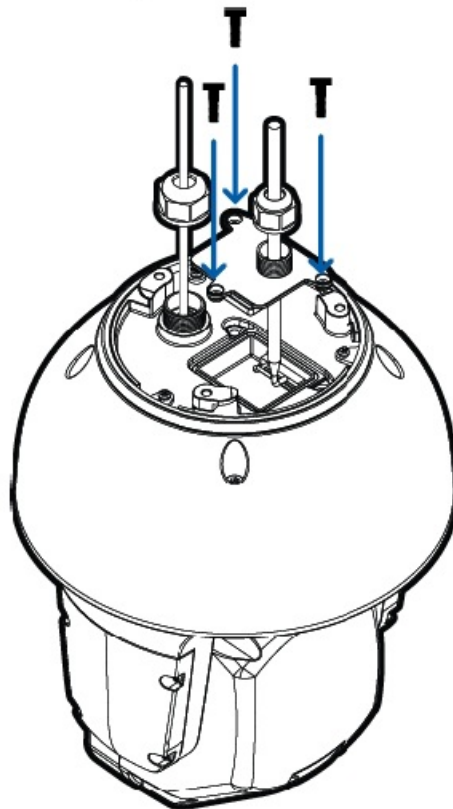
- Crimp the connector onto the Ethernet cable.



6. Remove the I/O cover and feed the I/O connector cable through the gland cap, cable gland, and I/O cover. The I/O cable gland has a plug in it that must be pulled out before feeding the cable through.



7. Tighten the cable glands around the cables.
8. Connect power and I/O to the camera, then tighten the I/O cover.



9. Connect a network cable to the Ethernet port (RJ-45 connector).

The Link LED indicator will turn on once a network link has been established.

Note: If you need to remove the RJ45 connector from the camera to check a network issue, gently pull the cable towards the locking tab to release the RJ45 plug before pulling upwards.

10. Check that the Connection Status LED indicator indicates the correct state. For more information, see Connection Status LED Indicator on page 23.

## Securing the PTZ Camera

1. Push the PTZ camera into the mount adapter.

Note: Be careful not to trap any cables between the camera housing and the mount adapter.

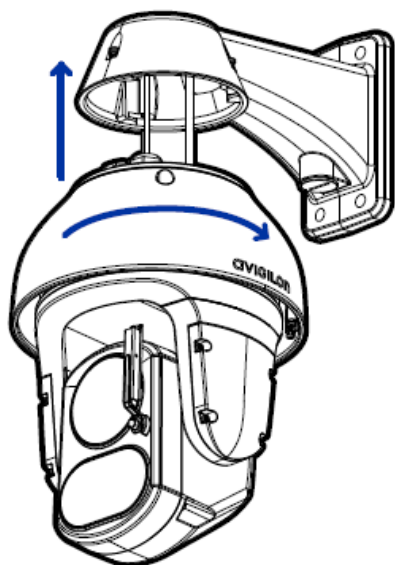


Figure 3: Pushing the camera into the wall mount adapter.

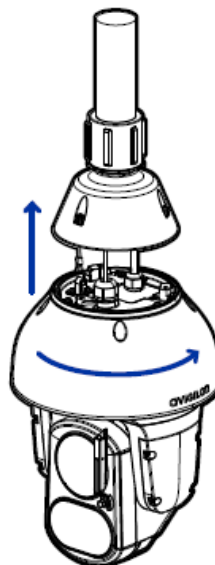


Figure 4: Pushing the camera into the NPT adapter.

Note: Once the camera housing is aligned to the adapter, turn the camera until it locks into place.

2. Use the T20 star key to tighten the screws in the mount adapter.

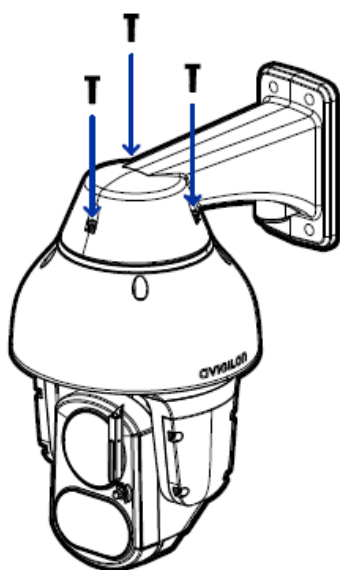


Figure 5: Securing the camera to the wall mount adapter.

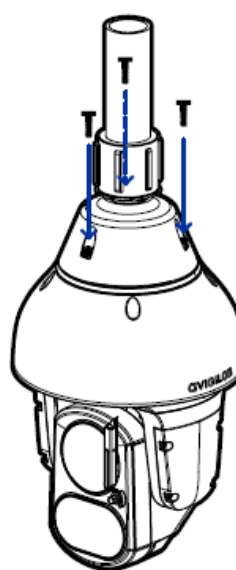
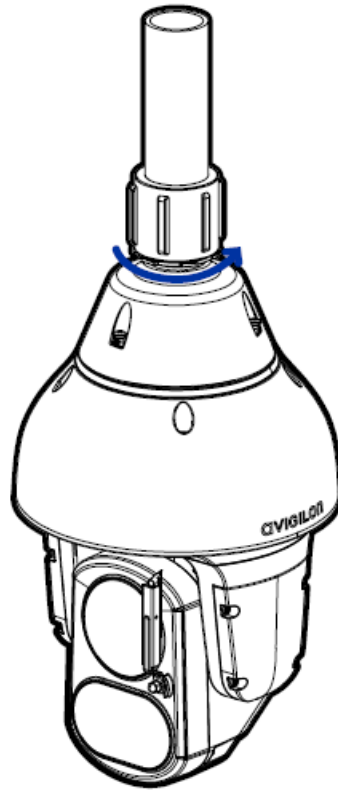


Figure 6: Securing the camera to the NPT adapter.

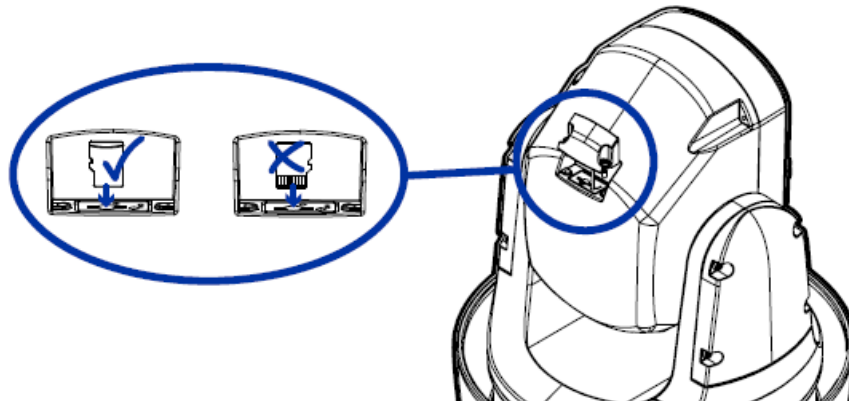
3. If you are installing the camera to an NPT mount, make sure the mount adapter is secured then tighten the lock nut to fix the camera to its final position.



### **(Optional) Configuring Onboard Storage**

To use the camera's microSD card storage feature, you must insert a microSD card into the card slot. It is recommended that the microSD card have a capacity of 64 GB or more, and a write speed of class 10 or better. If the SD card does not meet the recommended capacity or write speed, the recording performance may suffer and result in the loss of frames or footage.

1. Using the T10 star Key, unscrew and open the microSD cover at the rear of the camera.
2. Insert a microSD card into the camera. Refer to the image below for the correct microSD card orientation.



**CAUTION** — Do not force the microSD card into the camera or you may damage the card and the camera.

3. Access the camera's web interface to enable the onboard storage feature. For more information, see the Avigilon PTZ Camera Web Interface User Guide.

### **Initializing a Camera Username and Password**

**Important:** You must create a user with administrator privileges before the camera is operational.

**The first user can be created using any of the following methods:**

- **Camera's Web Interface:** enter the camera's IP address in a web browser to access the web interface. If the camera is in the factory default state you will be redirected to the Add a new user page to create the first user.



For more information, see the Avigilon High Definition H4 and H5 IP Camera Web Interface User Guide.

- Camera Configuration Tool: cameras discovered in the factory default state will be identified by Select the Admin Users tab to create the first user. For more information, see the Avigilon Camera Configuration Tool User Guide.
- USB Wi-Fi Adapter: when connecting a camera in the factory default state, you will be redirected to the Create Administrator User page to create the first user. For more information, see Motorola Solutions USB Wi-Fi Adapter System User Guide.
- Avigilon Control Center software version 7.4 or later, or version 6.14.12 or later: when connecting a camera in the factory default state, the client software will ask you to create a new user. For more information, see the Avigilon Control Center Client User Guide.
- Avigilon Cloud Services (ACS) v3.0 or later: when adding a camera you will be asked to create a new user for cameras in the factory default state. For more information, see the Avigilon Cloud Services User Guide.

**Tip:** If you are connecting your Avigilon camera to a 3rd party VMS, you will need to set up the first user through the camera's Web Interface, USB Wifi Adapter, or Camera Configuration Tool before you connect to the 3rd party VMS.

## Assigning an IP Address

The device automatically obtains an IP address when it is connected to a network.

**Note:** If the device cannot obtain an IP address from a DHCP server, it will use Zero Configuration Networking (Zeroconf) to choose an IP address. When set using Zeroconf, the IP address is in the 169.254.0.0/16 subnet.

**The IP address settings can be changed using one of the following methods:**

- Device's web browser interface: <http://<camera IP address>/>.
- Network Video Management software application (for example, the Avigilon Control Center™ software).
- ARP/Ping method. For more information, see Setting the IP Address Using the ARP/Ping Method on page 26.

## Accessing the Live Video Stream

Live video stream can be viewed using one of the following methods:

- Web browser interface: <http://< camera IP address>/>.
- Network Video Management software application (for example, the Avigilon Control Center™ software).

## For More Information

Additional information about setting up and using the device is available in the following guides:

- Avigilon Control Center Client User Guide
- Web Interface User Guide — Avigilon High Definition H4 and H5 IP Cameras
- Web Interface User Guide — Avigilon High Definition H4 and H5 IP Cameras
- Avigilon Camera Configuration Tool User Guide
- Designing a Site with Avigilon Video Analytics

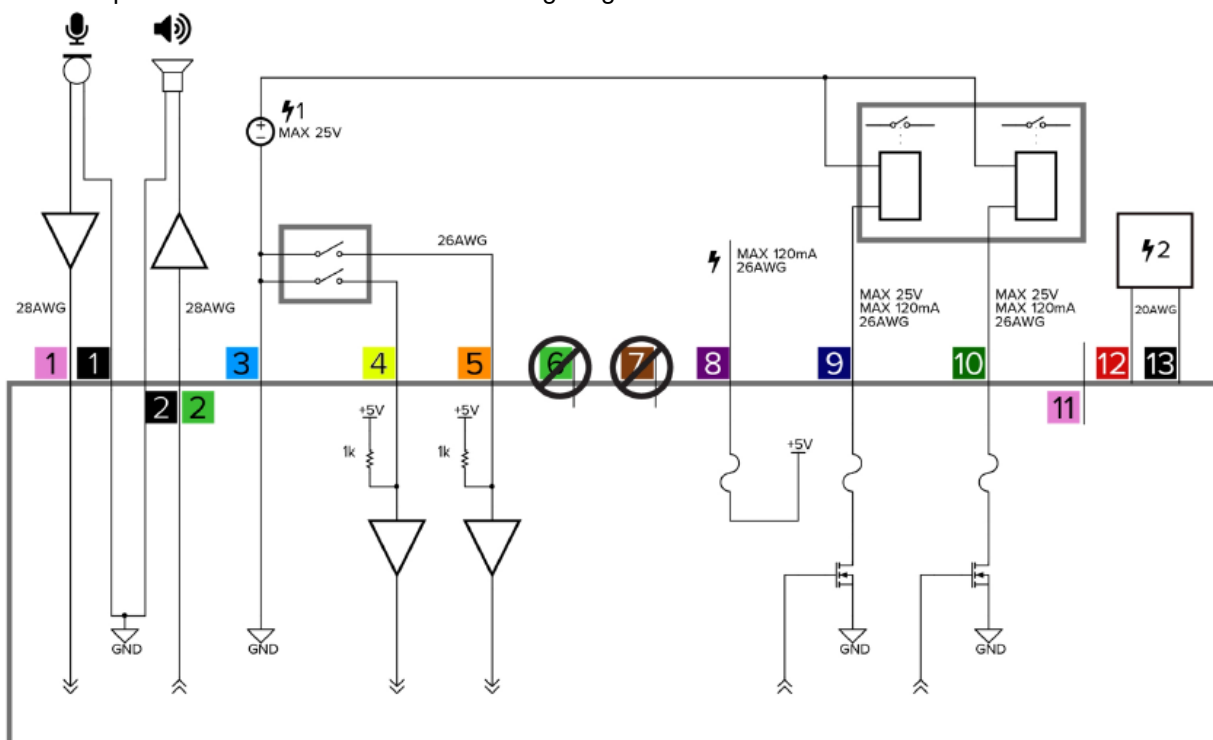
## Connecting to Power and External Devices

**CAUTION** — Be careful to only connect power to the Auxiliary Power Wires or the camera will be damaged.

If PoE is not available, the camera may be powered through the auxiliary power cable using either 24 V DC or 24 V AC. The power consumption information is listed in the product specifications. To power the camera, connect the two power wires to the red and black auxiliary power wires. The connection can be made with either polarity.

**WARNING** — This product is intended to be powered by a UL Listed Power Unit marked “Class 2” or “LPS” or “Limited Power Source” with output rated 24 V AC +/- 10%, 110 VA min. or 24 V DC +/- 10%, 75 W min.

Power supplies and external devices are connected to the camera through the power and I/O wires. The pinout for the I/O and power wires is shown in the following diagram:



**Figure 7: Example application.**

1. Pink (AUDIO\_IN) — Audio Input (line level)

An external power amplifier should be used when connecting speakers and microphones, as shown in the diagram.

- Black — Audio Ground

2. Light Green (AUDIO\_OUT)— Audio Output (line level)

- Black — Audio Ground

3. Light Blue (GND) — Ground for digital inputs and outputs.

4. Yellow (RI\_1)— Digital Input, Relay 1. The input voltage must be below 0.7 V to register as a low input. The input voltage should not exceed 5 V when high.

5. Orange (RI\_2)— Digital Input, Relay 2

6. Light Green (RI\_3)— Unused Wire, do not connect.

7. Brown (RI\_4) — Unused Wire, do not connect.

8. Purple (RO+)— +5V power output from camera.

9. Blue (RO\_1) — Digital Output,
10. Green (RO\_2) — Digital Output
11. Pink (Reserved) — Reserved Wire, do not connect.
12. Red (DC) — Auxiliary Power Wire, accepts DC and AC power.
13. Black (DC) — Auxiliary Power Wire, accepts DC and AC power.
  - 1 — External relay power supply
  - 2 — Optional 24 V AC (RMS) or 24 V DC Aux. power supply

## Seamless Failover


- If the camera has power available from both an external Aux power supply and a PoE PSE (Power Sourcing Equipment) device, the camera will draw power from Aux.
- The camera can transition back and forth between Aux and PoE powered operation without rebooting if it has dedicated PoE and Aux power, and both PoE and Aux power are able to deliver full power.

## Setting the Home Preset Position

The PTZ camera supports self-learning video analytics from the home preset position. The home preset position is typically the field of view the PTZ camera returns to after being used for investigations.

Before you can configure the camera's home position, you must connect the camera to a site in the ACC™ Client software. For more information about adding cameras to a site and the following steps, see the Avigilon Control Center Client User Guide. To set the home preset position, display the live video from the PTZ camera then complete the following steps:

**Tip:** Name the preset position "Home" so that it will be easy to find when configuring the camera for other applications.

1. Move the camera's field of view into position.
2. In the Presets drop-down list, select a number then click .
3. In the dialog box, enter a name for the preset.
4. Select the Set as home preset checkbox if you want this to be the camera's Home preset.
5. Click OK.

After you've set the camera's home preset position, you can configure the required video analytics events in the ACC Client software.

### Manually Returning to the Home Position

After the home preset position has been configured, you can set the PTZ camera to return to the configured field



of view by clicking .

### Automatically Returning to the Home Position

You can also configure the PTZ camera to automatically return to the home preset position after the camera is left idle for a set amount of time. This can be configured in two ways: through a PTZ tour or a rule. A PTZ tour can be configured from the camera web interface or in the ACC Client software. To configure the PTZ camera to automatically return to the home position, create a new tour and add only the home position to the preset list. Next, select the Set as default tour checkbox and use the Default Tour Idle Start Time (Minutes) field to define the

expected amount of idle time before the camera returns to the home position.

To use the rule method, you must have an Enterprise Edition or Standard Edition version of the Avigilon Control Center system. To configure the PTZ camera to automatically return to the home position, create a rule that includes the following settings:

- On the Select Rule Event(s) page, select PTZ idle.
- On the Select Rule Action(s) page, select Go to Home Preset.

## Connection Status LED Indicator

Once connected to the network, the green Connection Status LED indicator will display the progress in connecting to the Network Video Management software.

The following table describes what the LED indicator shows:

Connection State	Connection Status LED Indicator	Description
Obtaining	One short flash	Attempting to obtain an IP address.
IP Address	every second	
Discoverable	Two short flashes	Obtained an IP address but not connected to the
	every second	Network Video Management software.
Upgrading	Two short flashes	Updating the firmware.
Firmware	and one long flash	
	every second	
Connected	On	Connected to the Network Video Management software or an
		ACC™ Server. The default connected setting can be changed to
		Off using the camera's web user interface. For more
		information see the <i>Avigilon High Definition H4 and H5 IP</i>
		<i>Camera Web Interface User Guide</i> .

## Troubleshooting Network Connections and LED Behavior

**Note:** For any of the below LED behaviors, ensure that the camera is getting power and is using a good network cable before trying another solution.

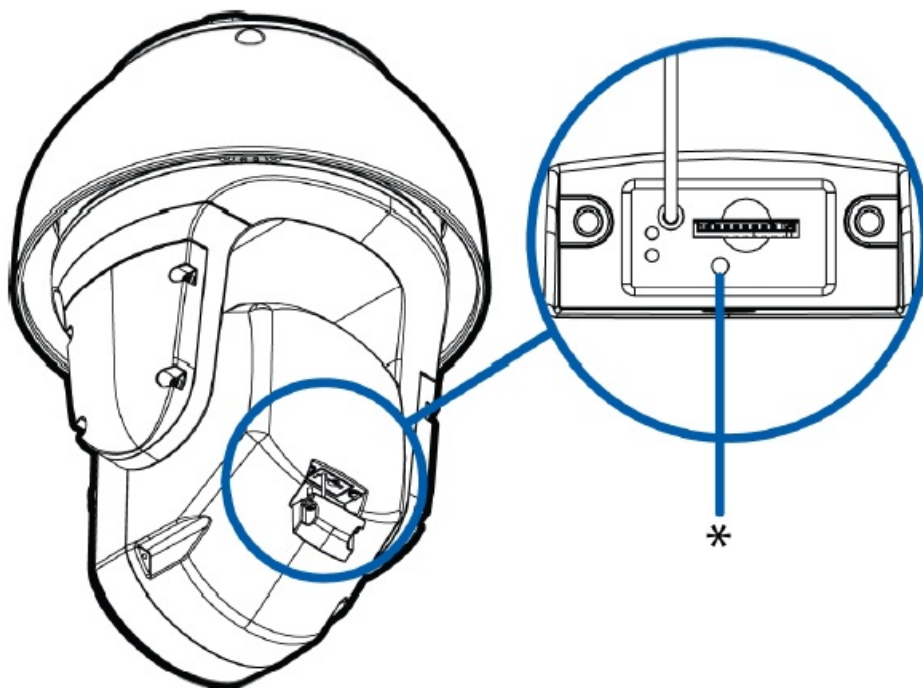
### LED Behavior Suggested Solution

- Green LED is off and amber is on Perform a factory reset of the camera using the physical firmware revert button. Resetting through the camera's web interface will not produce the desired result.
- Both LEDs are off and the camera is not connected or streaming video

- Check the General setup page in the camera's web interface to ensure the LEDs are not disabled.
- If the LEDs are not disabled, perform a factory reset of the camera using the physical firmware revert button. Resetting through the camera's web interface will not produce the desired result.
- Both LEDs are blinking several times at the same time, then pause and repeat the blinking
- Perform a factory reset of the camera using the physical firmware revert button. Resetting through the camera's web interface will not produce the desired result.
- A different LED blinking pattern than those described above
- Perform a factory reset of the camera using the physical firmware revert button. Resetting through the camera's web interface will not produce the desired result.

## Resetting to Factory Default Settings

If the device no longer functions as expected, you can choose to reset the device to its factory default settings. Use the firmware revert button to reset the device. The firmware revert button is shown in the following diagram:



1. Ensure the camera is powered on.
2. Use the T10 star key to remove the SD cover.
3. Using a straightened paperclip or similar tool, gently press and hold the firmware revert button for two seconds.
4. Re-install the SD cover.

**CAUTION** — Do not apply excessive force. Inserting the tool too far may damage the camera.

## Setting the IP Address Using the ARP/Ping Method

Complete the following steps to configure the camera to use a specific IP address:

Note: The ARP/Ping Method will not work if the Disable setting static IP address through ARP/Ping method checkbox is selected in the camera's web browser interface. For more information, see the Avigilon High Definition H4 and H5 IP Camera Web Interface User Guide.

1. Locate and make note of the MAC Address (MAC) listed on the Serial Number Tag for reference.
2. Open a Command Prompt window and enter the following commands:
  - `arp -s<New Camera IP Address> <Camera MAC Address>`  
For example: `arp -s 192.168.1.10 00-18-85-12-45-78`
  - `ping -l 123 -t <New Camera IP Address>`  
For example: `ping -l 123 -t 192.168.1.10`
3. Reboot the camera.
4. Close the Command Prompt window when you see the following message:  
Reply from <New Camera IP Address>: ...

## Cleaning

### Lens and IR Window

If the video image becomes blurry or smudged in areas, it may be because the lens or IR window requires cleaning.

**Note:** Washer and cleaning liquid sold separately.

#### To clean the camera windows:

- In the camera web interface or video management software, activate the washer and wiper.
  - From the camera web interface, the washer and wiper can be activated from the Live View page. For more information, see the Avigilon PTZ Camera Web Interface User Guide.
  - From the Avigilon Control Center software, the washer and wiper is activated through the PTZ auxiliary command. For more information, see the software help files.

**If the cleanliness of the camera window continues to affect the imaging quality, or if you are maintaining a model that does not have a wiper, manually clean the camera windows as needed:**

- Use hand soap or a non-abrasive detergent to wash off dirt or fingerprints.
- Use a microfiber cloth or non-abrasive fabric to dry the dome bubble.

**CAUTION** — Failure to use the recommended cleaning materials may result in a damaged or scratched camera window. A damaged camera window may negatively impact image quality and cause unwanted IR light reflecting into the lens.

**Important:** Failure to use the recommended cleaning materials may result in a damaged or scratched camera window. A damaged camera window may negatively impact image quality and cause unwanted IR light reflecting into the lens.

## Body

- Use a dry or lightly dampened cloth to clean the camera body.
- Do not use strong or abrasive detergents.

## Troubleshooting

## Video Does Not Display After Powering the Camera

**Note:** The following troubleshooting case only applies to cameras that are powered up in a cold environment of -10°C to -40°C (14°F to -40°F) or lower. To properly power the camera at this lower temperature requires 95 W PoE or auxiliary power supply.

Up to a 60 minute startup delay may be necessary to warm up the camera when powering up in a cold environment below -10°C (14°F). During this cold start delay, video will not display and errors may be generated in ACC. If you are viewing video in the web interface you will see a blue screen and message about being in cold start mode. Video transmission will start and the errors will stop once the camera has warmed up.

## Limited Warranty and Technical Support

- Avigilon warranty terms for this product are provided at [avigilon.com/warranty](https://www.avigilon.com/warranty).
- Warranty service and technical support can be obtained by contacting Avigilon Technical Support: [avigilon.com/contact](https://www.avigilon.com/contact).

## Regulatory Notices

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003. This device complies with EN 60529 IP66, IP67, and IP68 rating.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications made to this equipment not expressly approved by Avigilon Corporation or parties authorized by Avigilon Corporation could void the user's authority to operate this equipment.

To meet the requirements of the EN 50121-4 Railway Applications Standard, use an external power supply or POE injector that is also compliant with EN 50121-4. Please contact Avigilon for assistance regarding supporting equipment. To meet the requirements of the EN 50130-4 Alarm Systems Applications standard, use an external uninterruptible power (UPS) supply. The UPS must have a backup run time of greater than 5 seconds (>5S) for the power level as specified on the product datasheet. UK Product Security and Telecommunications Infrastructure (PSTI) Act: Avigilon cameras comply with the PSTI requirements. For more information, see the published PSTI Statement of Compliance.

## Disposal and Recycling Information

When this product has reached the end of its useful life, please dispose of it according to your local environmental laws and guidelines. Risk of fire, explosion, and burns. Do not disassemble, crush, heat above 100 °C (212 °F), or incinerate.

### European Union:



■ This symbol means that according to local laws and regulations your product should be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Some collection points accept products for free. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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### FAQ

- **Q: What should I do if the video does not display after powering the camera?**



A: If the video does not display, check the power connection, network settings, and refer to the troubleshooting section in the manual for further assistance.

- **Q: How do I reset the camera to factory default settings?**

A: To reset the camera to factory default settings, follow the instructions provided in the manual under the “Resetting to Factory Default Settings” section.

### Documents / Resources



  <p>Installation Guide Avigilon H5A PTZ Camera with IR, 2.0C-H5A-IRPTZ-DP40-WP, 4.0C-H5A-IRPTZ-DP36-WP, 8.0C-H5A-IRPTZ-DP36-WP, 2.0C-H5A-IRPTZ-DP40-WP H5A PTZ Camera with IR, 2.0C-H5A-IRPTZ-DP40-WP, H5A PTZ Camera with IR, PTZ Camera with IR, Camera with IR, with IR</p>	<p><a href="#">AVIGILON 2.0C-H5A-IRPTZ-DP40-WP H5A PTZ Camera with IR</a> [pdf] Installation Guide 2.0C-H5A-IRPTZ-DP40-WP, 4.0C-H5A-IRPTZ-DP36-WP, 8.0C-H5A-IRPTZ-DP36-WP, 2.0C-H5A-IRPTZ-DP40-WP H5A PTZ Camera with IR, 2.0C-H5A-IRPTZ-DP40-WP, H5A PTZ Camera with IR, PTZ Camera with IR, Camera with IR, with IR</p>
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## References

- [△ End-to-End Security Solutions | Avigilon \(Openpath & Ava\)](#)
- [△ Contact Sales - Avigilon](#)
- [△ Contact Sales - Avigilon](#)
- [△ Avigilon Customer Support](#)
- [△ All Brands Limited Warranty & Product Policies](#)
- [△ Avigilon Documentation](#)
- [🌐 Patent Lists - Access Advance](#)
- [△ Avigilon Documentation](#)
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