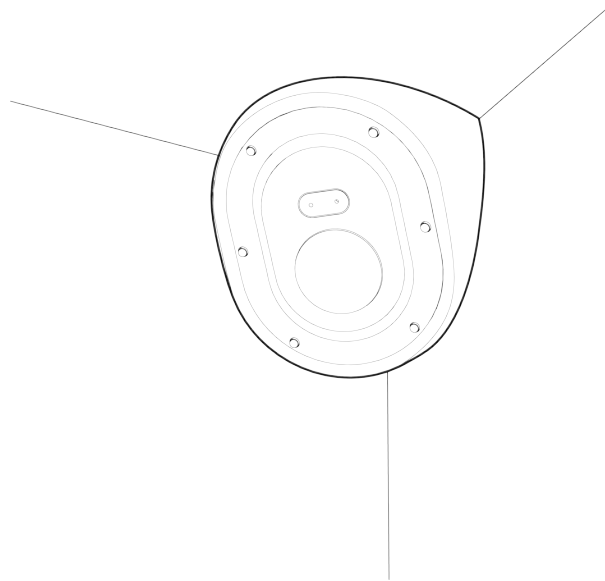




Sarix Corner Cameras Installation Manual



Document number: C6714M

Publication date: 2026-05-06

Legal Notices

© 2026, Pelco Corporation. All rights reserved. PELCO, the PELCO logo, PELCO are trademarks of Pelco Corporation. ONVIF is a trademark of Onvif, Inc. Covered by one or more claims of the patents listed at patentlist.hevcadvance.com. Other names or logos mentioned herein may be the trademarks of their respective owners. The absence of the symbols ™ and ® in proximity to each trademark in this document or at all is not a disclaimer of ownership of the related trademark. Pelco Corporation protects its innovations with patents issued in the United States of America and other jurisdictions worldwide (see www.pelco.com). Unless stated explicitly and in writing, no license is granted with respect to any copyright, industrial design, trademark, patent or other intellectual property rights of Pelco Corporation or its licensors.

Disclaimer

This document has been compiled and published using product descriptions and specifications available at the time of publication. The contents of this document and the specifications of the products discussed herein are subject to change without notice. Pelco Corporation reserves the right to make any such changes without notice. Neither Pelco Corporation nor any of its affiliated companies: (1) guarantees the completeness or accuracy of the information contained in this document; or (2) is responsible for your use of, or reliance on, the information. Pelco Corporation shall not be responsible for any losses or damages (including consequential damages) caused by reliance on the information presented herein.

Pelco Corporation

www.pelco.com

C6714M

Revision: 1 - EN

20260506

Important Safety Information

This Installation 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.



WARNING

The 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.



CAUTION

The 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.
- 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 expose the camera directly to high levels of x-ray, laser, or UV radiation. Direct exposure may cause permanent damage to the image sensor.
- 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.
- Do not open or disassemble the device. There are no user serviceable parts.
- 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), has been exposed to rain or

Sarix Corner Cameras Installation Manual

moisture, 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 Pelco.

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 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 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 not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

UK Product Security and Telecommunications Infrastructure (PSTI) Act: Pelco cameras comply with the PSTI requirements. For more information, see the published [PSTI Statement of Compliance](#).

The use of EMC compliant support and auxiliary equipment with this device is required in order to fully comply with the EMC regulatory standards.

This device complies with EN 60529 IP66 and IP67 rating.

This Class B digital apparatus complies with Canadian ICES-003 (B)/NMB-003(B).

For Korea

이 기기는 가정용(B급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

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.

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.

Contents

Sarix Corner Cameras Installation Manual	9
Sarix Corner Cameras Overview	10
Assembled View	10
Housing Front View	10
Gimbal Bottom View	11
Gimbal Front View	11
Housing Rear View	12
Cover - Rear View	12
Conduit Box Accessory View	13
Preparing Sarix Corner Cameras for Installation	14
Pre-Deployment In-Box Configuration	14
Mounting and Aiming Video Analytics Cameras	15
Removing the Sarix Corner Front Cover and Gimbal	15
Preparing the Sarix Corner Camera Mounting Grommets	18
Inserting Cables through the Sealing Grommet	19
Installing Sarix Corner Cameras	20
Sarix Corner Cameras Installation Requirements	20
Sarix Corner Cameras Package Contents	20
Installing Sarix Corner Cameras using the Camera Base	21
Mounting the Sarix Corner Camera Base	21
Mounting the Sarix Corner Camera Gimbal to the Camera Base	23
Installing the Front Cover on Sarix Corner Cameras	24
Installing Sarix Corner Cameras using the Conduit Box Accessory	26
Mounting the Conduit Gang Box	26
Mounting the Sarix Corner Camera Base to the Conduit Box	29
Mounting the Sarix Corner Camera Gimbal	33
Installing the Front Cover on Sarix Corner Cameras	34
Connecting Cables to Sarix Corner Cameras	35
Connecting Power Cables to Sarix Corner Cameras	35
Power over Ethernet (PoE)	35
Auxiliary Power	35
Auxiliary Power and Power over Ethernet (PoE)	36
Sarix Corner Camera Failover	36
Connecting External Devices to Sarix Corner Cameras	37
Connecting Sarix Corner Cameras to Microphones and Speakers	38

Configuring Onboard Storage (Optional)	39
Adding Cameras to the Network	40
Choose a Tool to Access Camera Settings	40
Using the USB Wi-Fi Adapter (Optional)	41
Discovering Cameras on the Network	42
Finding the Camera's IP Address	42
Changing the IP Address (Optional)	42
Initializing a Camera by Creating a Username and Password	43
Connection Status LED Indicators	44
Troubleshooting Network Connections and LED Behavior	44
Resetting Sarix Corner Cameras to their Factory Default Settings	46
Adjusting Sarix Corner Cameras	47
Accessing the Live Video Stream	47
Zooming and Focusing Cameras	47
Sarix Corner Camera Maintenance	47
Cleaning Sarix Corner Cameras	48
Which Cleaning Solutions Should I Use?	48
How Should I Clean Sarix Corner Cameras?	48
Resources for Pelco Cameras	49
Pelco Troubleshooting Contact Information	50

Sarix Corner Cameras Installation Manual

The Sarix Corner Cameras Installation Guide provides instructions for installing and mounting Sarix Corner cameras. This Installation Guide also covers how to connect external devices and how to add cameras to the network. It also covers how to verify image quality and make necessary adjustments before finalizing the installation.

Camera Models:

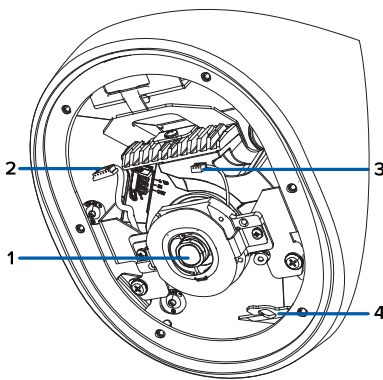
3.0C-H5A-CR2-IR	3.0C-H5A-CR2-IR-SS
5.0C-H5A-CR2-IR	5.0C-H5A-CR2-IR-SS

Sarix Corner Cameras Overview

Assembled View

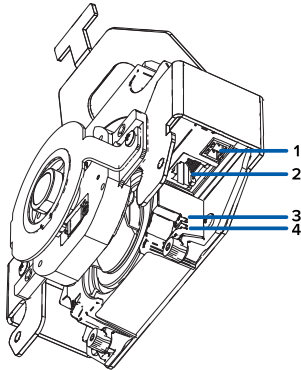
1. **Front cover**
Vandal resistant front cover.
2. **Recording LED**
LED turns on when the camera is streaming video to a local microSD card, VMS system, or the camera web interface.
3. **Microphone**
Built-in audio receiver.
4. **Tamper resistant screws**
Tamper resistant captive screws to fix the dome cover to the base.

Housing Front View



1. **Camera lens**
Lens that captures the video image.
2. **LED cable**
Connect the cable to the LED connector on the front cover to power the Recording LED and IR LED.
3. **Microphone cable**
Connect the cable to the microphone audio connector on the front cover to use the built-in microphone.
4. **Lanyard hook**
A hook for connecting the lanyard on the camera cover.

Gimbal Bottom View



1. Power connector block

Accepts a terminal block with either an AC or DC power connection. DC input can be either polarity. Only required when Power over Ethernet is not available.

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.

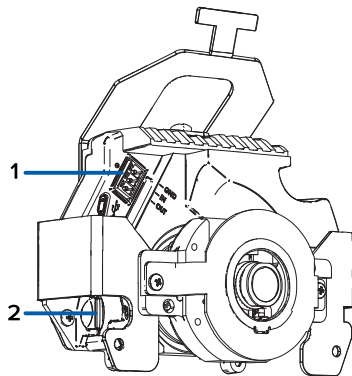
3. Connection status LED indicator

Green LED provides information about device operation. For more information, see [Connection Status LED Indicators on page 44](#).

4. Link LED indicator

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

Gimbal Front View



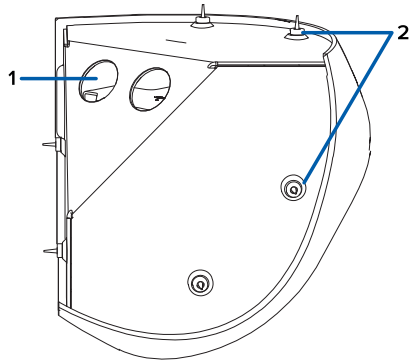
1. I/O connector block

Provides connections to external input/output devices.

2. microSD card slot

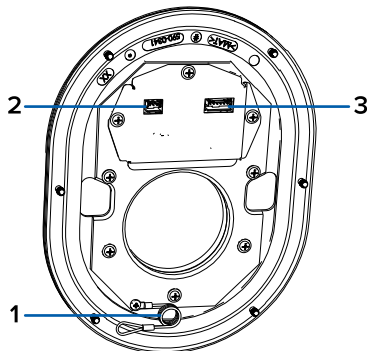
Accepts a microSD card for onboard storage. For more information, see [Configuring Onboard Storage \(Optional\) on page 39](#).

Housing Rear View



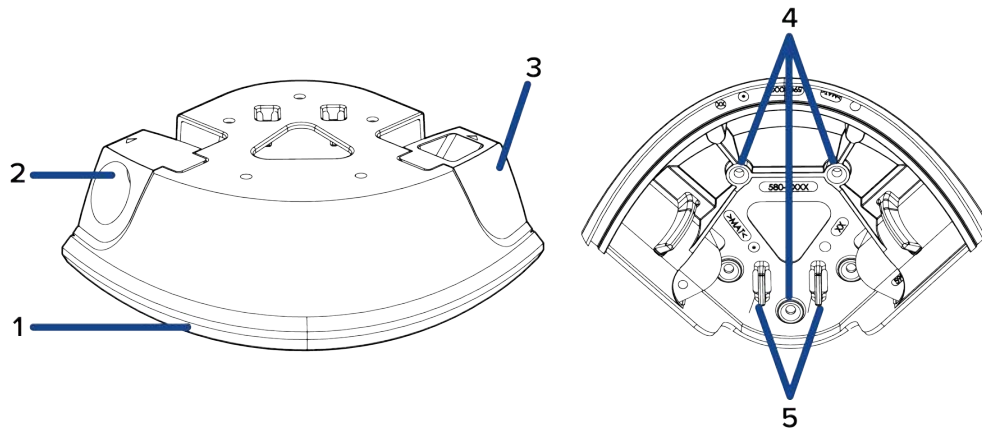
1. **Cable entry holes (x2)**
Entry holes for the cables required for camera operation.
2. **Mounting holes**
Mounting points for the camera (x6) with rubber grommets inserted.

Cover - Rear View



1. **Lanyard**
Connects to the lanyard anchor on the camera base.
2. **Microphone connector**
Connect the microphone audio cable to use the built-in microphone.
3. **LED connector**
Connect the LED cable to power the camera's Recording LED and IR LED.

Conduit Box Accessory View



1. **Rubber gasket**
Rubber gasket for creating a seal between the corner camera and conduit box accessory.
2. **Conduit entry point**
Removable conduit entry point that can be installed on either side of the conduit box. The conduit box comes with 2 sizes of conduit entry points to use: 3/4" NPT or 1/2" NPT.
3. **Closed conduit entry point**
The matching piece to the conduit entry point used to close the opposite side of the conduit box.
4. **Mounting holes**
Mounting points for the conduit box (x3).
5. **Ethernet cable clips**
Clips to secure the Ethernet cable.

Preparing Sarix Corner Cameras for Installation

Pre-Deployment In-Box Configuration

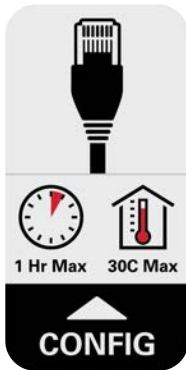
Sarix Corner cameras come with a configuration cable (RJ45 connector) already attached. You can use the cable to configure camera settings before installing it. Access the RJ45 connector cable through the side flap.



NOTE

Make sure the camera does not overheat in the box. The maximum recommended ambient temperature is 30°C (86°F). The maximum recommended duration of in-box configuration is 1 hour.

1. Locate and open the flap on the side of the camera packaging. Look for the *Config* label.



2. Connect a network cable to the RJ45 plug on the configuration cable. The network cable must provide PoE. IEEE 802.3af Class 3, to power the camera during configuration.
3. Connect to the camera using either the camera's web browser interface, Camera Configuration Tool or the VMS client application.
4. Configure camera settings as required.
5. Unplug the network cable once you are done configuring cameras.



NOTE

Be careful when handling the camera after configuring it inside the packaging. The camera may be hot when handling it or removing from the packaging immediately after in-box configuration.

Mounting and Aiming Video Analytics Cameras

Follow these guidelines when mounting and aiming Pelco cameras for best results:

- **Height** — Above 2.74 meters (9 feet).
- **Tilt** — Downward tilt of 45 degrees maximum.
- **Level** — Keep the camera image level with the horizon.
- **Stability** — Securely mount to a stable surface to prevent movement.

For more information, see *Designing a Site with Pelco Smart Analytics* available at pelco.com/docs.

Removing the Sarix Corner Front Cover and Gimbal

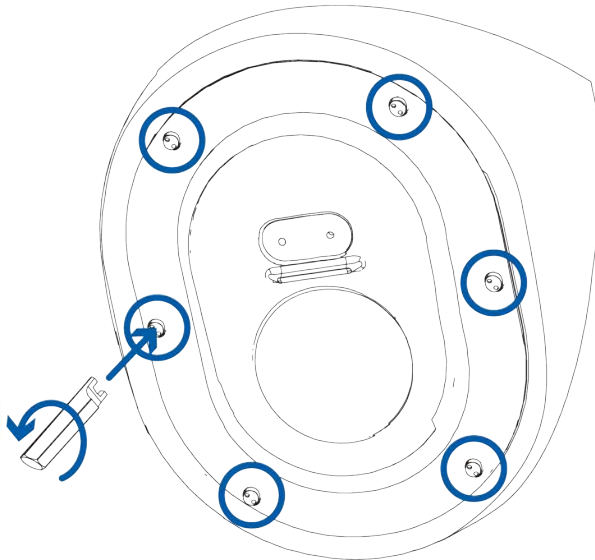
Before mounting the camera, you need to remove the front cover and camera gimbal from the housing:



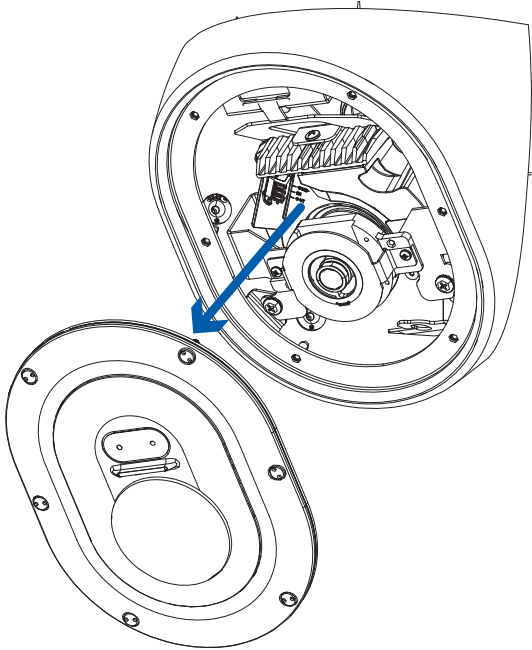
NOTE

Be careful not to scratch or touch the dome bubble. The resulting marks or fingerprints may affect the overall image quality. Keep the protective covers on the outside of the dome bubble until the installation is complete.

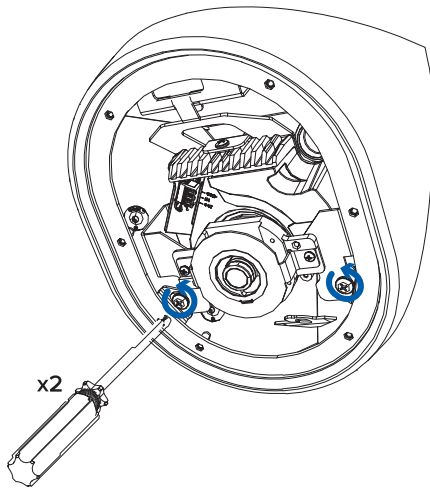
1. Loosen the screws that fix the cover to the base. Use the supplied driver to loosen the screws.



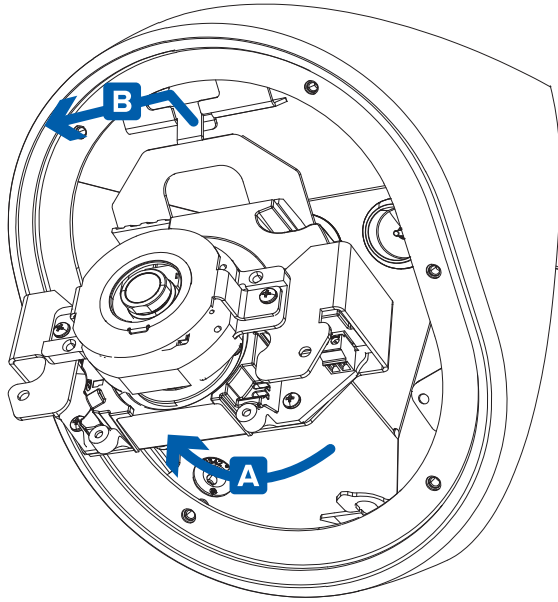
2. Pull the front cover off of the camera base.



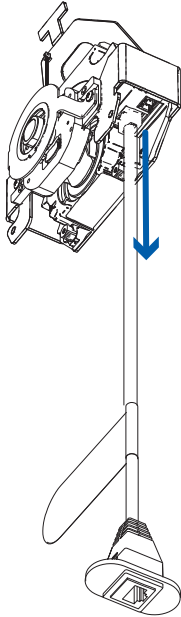
3. Loosen and detach the two screws that secure the gimbal to the base.



4. Rotate the bottom part of the gimbal upwards after the screws are removed (A), then unhook the gimbal from the slot at the top of the housing and pull the gimbal out (B).



5. Remove the RJ-45 in-box configuration cable that comes pre-installed on the camera.



Preparing the Sarix Corner Camera Mounting Grommets

There are 6 mounting holes in the camera housing. Each mounting hole is filled by a grommet to help protect the mounting points from water or dust. See [Sarix Corner Cameras Overview on page 10](#) for the mounting hole locations.

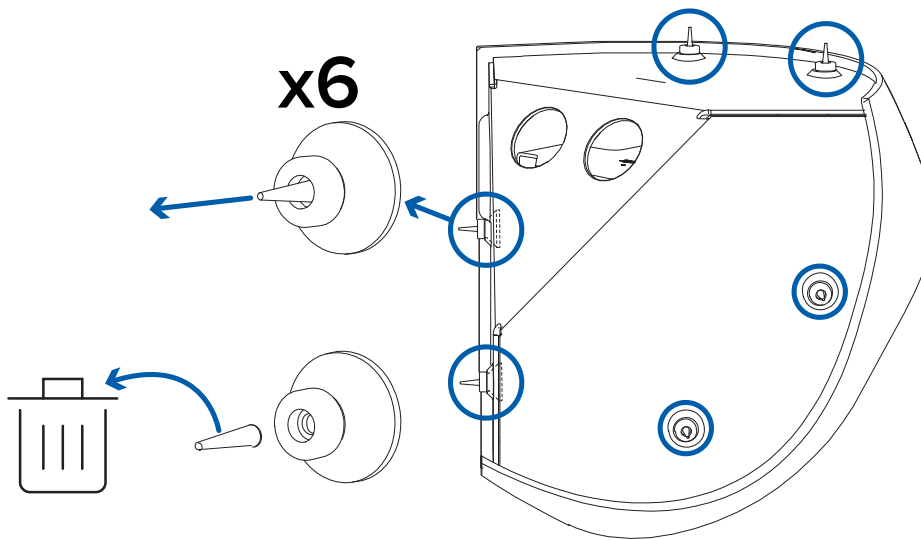
1. Determine which mounting holes you will use to mount the camera.



TIP

We recommend using all 6 mounting holes to secure your camera, to ensure the camera is mounted securely and to make the camera ligature-proof.

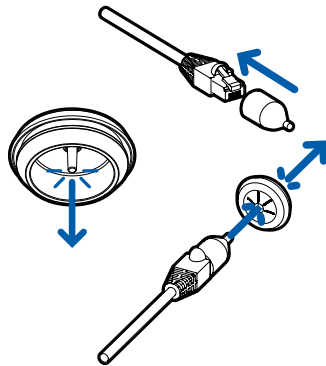
2. Pull the pins out of the grommets for the mounting holes that will be used.



Inserting Cables through the Sealing Grommet

To protect the camera and components from ingress of dust or moisture, you must pull the required cables through the sealing grommet(s) included with the camera for the cable entry holes.

1. Pull the tab on the grommet to open a hole for the Ethernet cable.
2. Push an Ethernet cable through the grommet by one of the following methods:
 - a. If the Ethernet cable is uncrimped, push the cable through the grommet.
 - b. If the Ethernet cable is already crimped, place the grommet piercing cap on the Ethernet connector then push the cable through the grommet.



Ensure that the orientation of the cable and grommet matches the one shown in the image.

3. Push any other required cables through the second grommet.



NOTE

If you will pull multiple cables through the sealing grommet, apply silicone sealant to seal any gaps in the grommet.

Installing Sarix Corner Cameras

Sarix Corner Cameras Installation Requirements

The following tools are required to complete the installation but are not included in the package:

- No. 2 Phillips screwdriver — for attaching camera to a mounting surface
- Drill for drilling mounting holes in the mounting surface
- Cutting tool for cutting cable access hole in the mounting surface
- Silicone sealant

Sarix Corner Cameras Package Contents

Make sure the package contains the following:

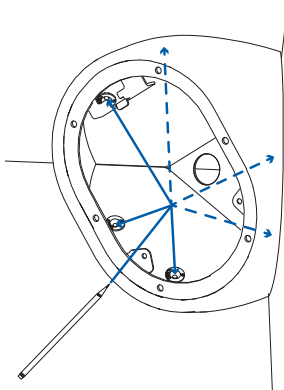
- Pelco Sarix Corner camera
- RJ-45 grommet piercing cap
- Microphone audio cable
- 2 cable entry grommets
- 6 wall anchors for solid walls, for #8-10 screws
- 6 mounting screws, #10-1.25" long, flat head, Phillips, stainless steel
- Tamper resistant screw driver

Installing Sarix Corner Cameras using the Camera Base

Mounting the Sarix Corner Camera Base

Follow these steps to mount the Sarix Corner camera base.

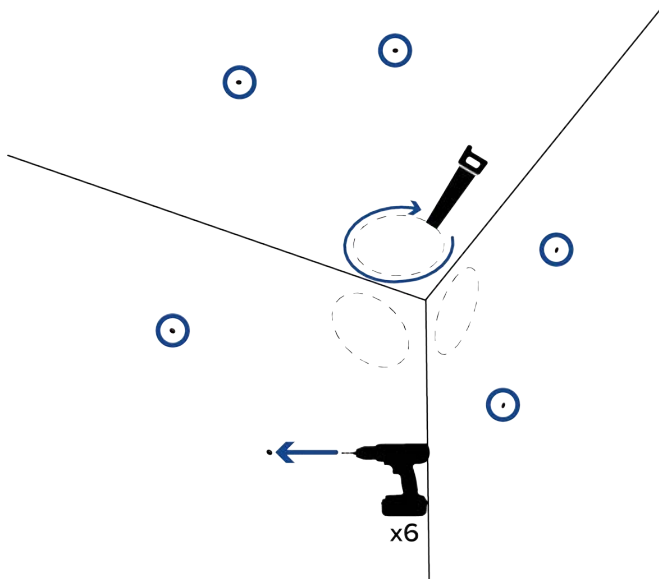
1. Place the base into the mounting location. Make sure that the mounting grommet pins have been removed. For more information, see [Preparing the Sarix Corner Camera Mounting Grommets on page 18](#).
2. Use a pen or pencil to mark the spots that will be drilled into the mounting surface for the mounting screws.



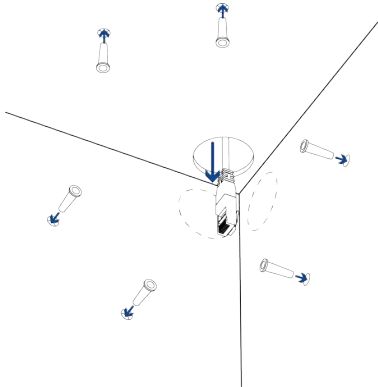
TIP

We recommend using all 6 mounting holes to secure your camera, to ensure the camera is mounted securely and to make the camera ligature-proof.

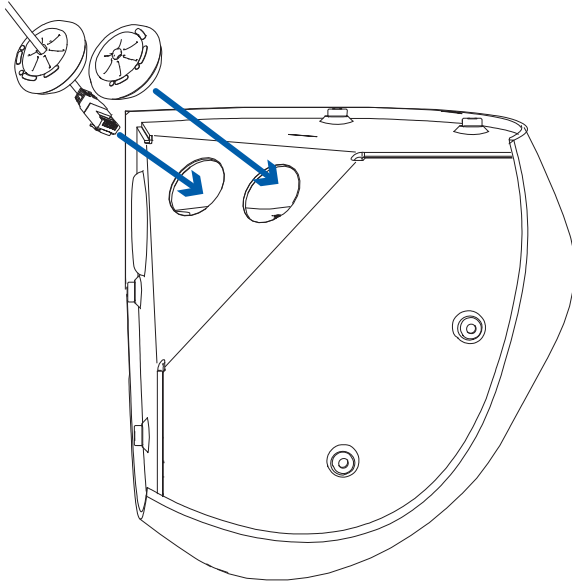
3. Remove the base from the mounting surface. Drill the 6 mounting holes and one cable entry hole into the mounting surface.



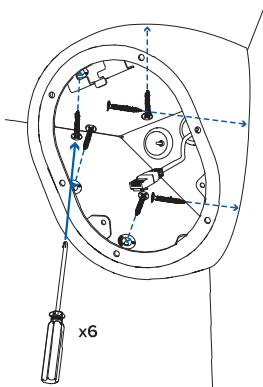
4. Insert the wall anchors into the mounting holes.



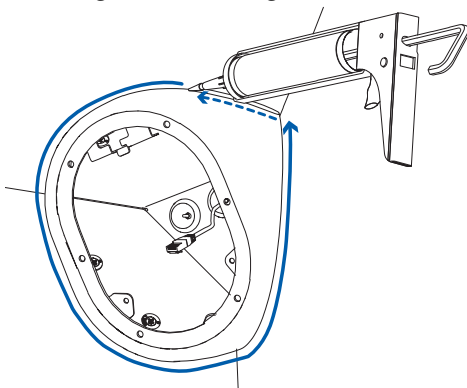
5. Pull the required cables through the cable entry hole.
6. Insert the sealing grommets with the required cables pulled through into the cable entry holes on the back of the camera base. For more information, see [Inserting Cables through the Sealing Grommet on page 19](#).



7. Place the camera base in the mounting location and drive the 6 mounting screws to secure it in place.



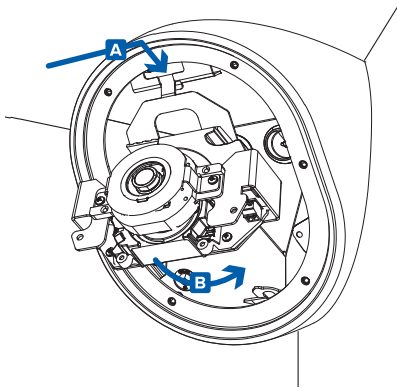
8. Apply silicone sealant around the edges of the camera base to prevent moisture from entering the mounting surface.



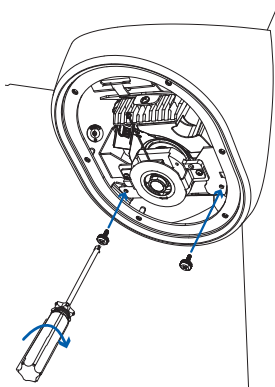
Mounting the Sarix Corner Camera Gimbal to the Camera Base

Once the camera base is mounted in place, install the gimbal back into the base:

1. Slide the hook at the top of the gimbal into the slot at the top of the camera base (A) and then rotate the gimbal into the housing (B).



2. Use a phillips screwdriver to tighten the 2 screws and secure the gimbal to the camera base.

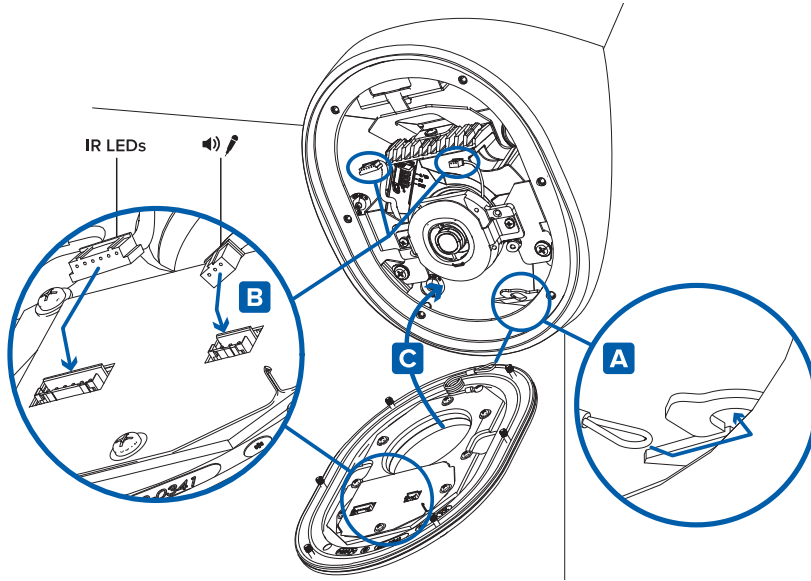


Installing the Front Cover on Sarix Corner Cameras

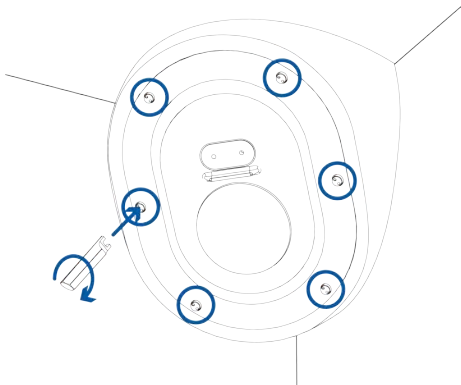
Make sure you complete the steps in the [Adjusting Sarix Corner Cameras on page 47](#) sections before installing the camera cover. If you need to make any further adjustments, you will have to remove the camera cover.

Be careful not to touch or scratch the dome bubble. Any marks or fingerprints on the dome bubble will cause unwanted reflections.

1. Attach the lanyard to the lanyard hook at the bottom of the camera base (A).



2. Connect the LED cable to the connector on the front cover (B).
3. If you are using the built-in microphone, connect the microphone audio cable to the connector on the front cover (B).
4. Fit the front cover into place (C).
5. Secure the front cover to the camera base by tightening the 6 screws with the supplied driver.



Installing Sarix Corner Cameras using the Conduit Box Accessory

The conduit gang box (CNBX-1001) is an optional mounting accessory that can be used for installations where the cables are not able to come through the wall and a cable conduit is necessary.

Mounting the Conduit Gang Box

Perform the following steps to mount the conduit gang box mounting accessory.

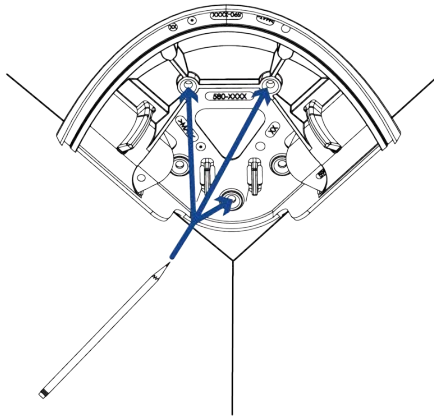
1. Place the conduit box onto the mounting location.



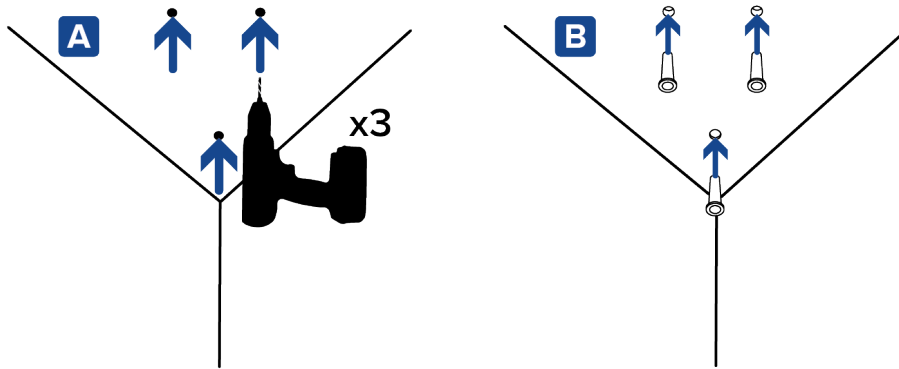
NOTE

Be cautious of uneven walls when mounting the conduit box and corner camera. Uneven walls may make it difficult to mount the camera. Before mounting the conduit box, place the conduit box and the camera in the mounting location to ensure they can be mounted flush to the ceiling and both walls without large gaps.

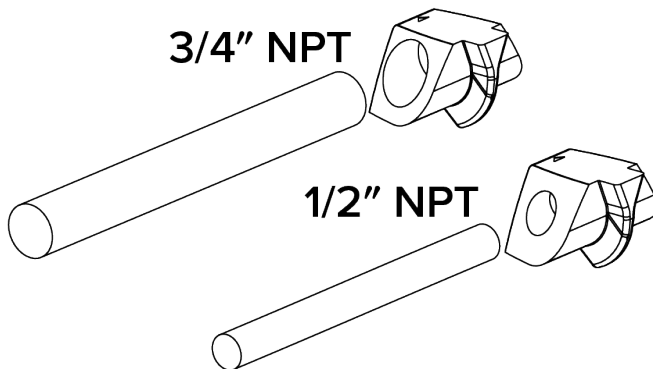
2. Use a pen or pencil to mark the 3 spots that will be drilled into the ceiling for the mounting screws.



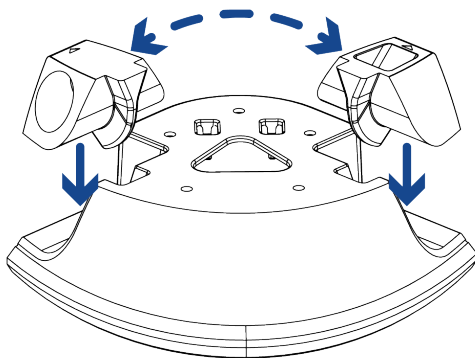
3. Remove the base from the mounting surface. Drill the 3 mounting holes into the mounting surface (A).



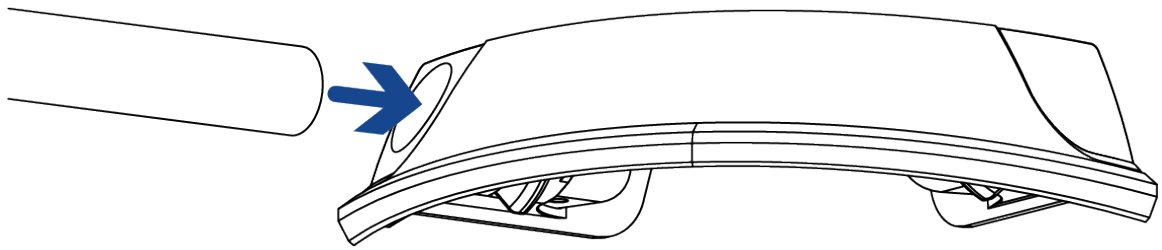
4. Insert the wall anchors into the mounting holes (B).
5. Determine which size conduit pipe you will use for your cables. The conduit box comes with 2 sizes of conduit entry points to use: 3/4" NPT or 1/2" NPT.



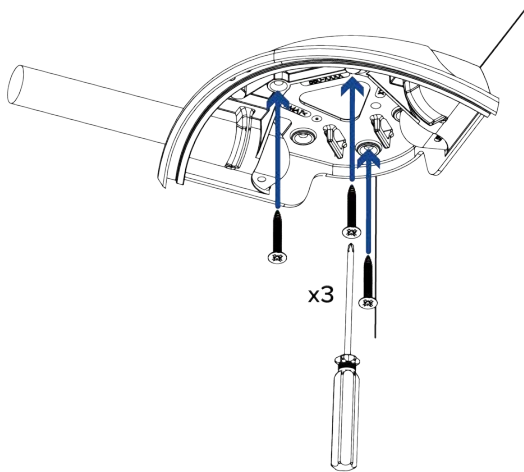
6. Insert the conduit entry point into the conduit box by pushing down. Insert the matching solid piece on the other side of the conduit box. The sides are reversible so the cable conduit can come from either direction.



7. Insert the conduit pipe into the conduit entry point.



8. Place the conduit box against the mounting surface and drive the 3 mounting screws in to secure it in place.



Mounting the Sarix Corner Camera Base to the Conduit Box

You must remove the front cover and gimbal of the camera before you can mount the camera base. See [Removing the Sarix Corner Front Cover and Gimbal on page 15](#) and [Preparing the Sarix Corner Camera Mounting Grommets on page 18](#) for instructions.

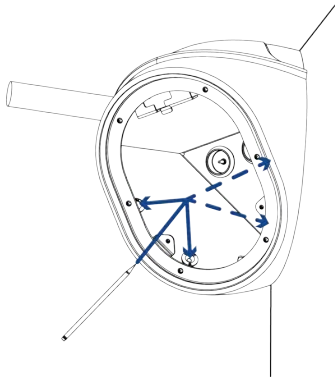


TIP

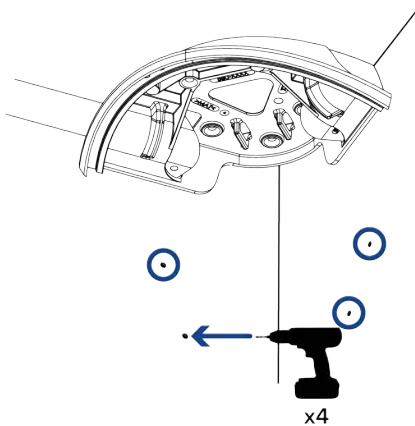
For the conduit box installation only 4 mounting grommet pins need to be removed. The two top pins for mounting to the ceiling can remain in place.

Follow these steps to mount the corner camera base to the conduit box:

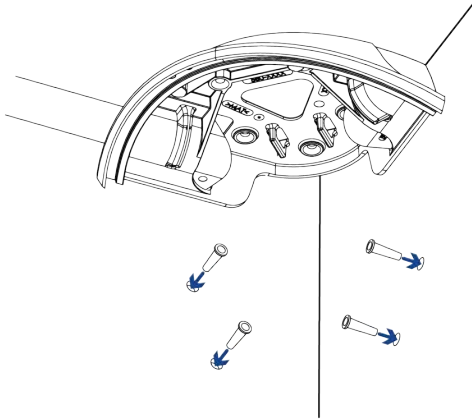
1. Place the base into the mounting location up against the installed conduit box. Use a pen or pencil to mark the spots that will be drilled into the mounting surface for the mounting screws.



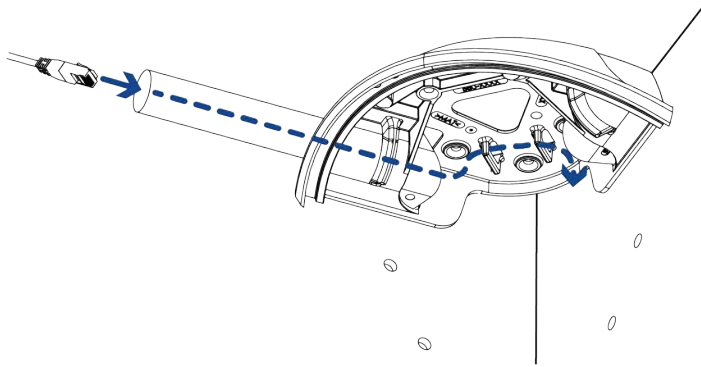
2. Remove the base from the mounting surface. Drill the 4 mounting holes into the mounting surface.



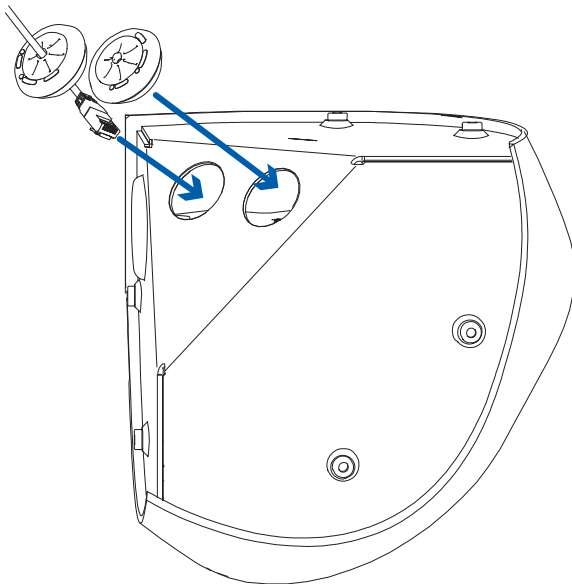
3. Insert the wall anchors into the mounting holes.



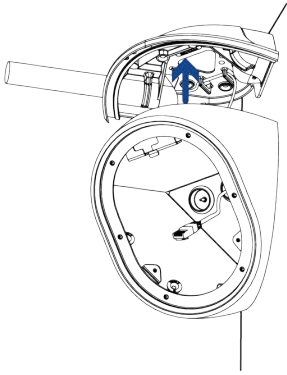
4. Pull the required cables through the cable conduit pipe. Use the Ethernet cable clips to keep the cable in place.



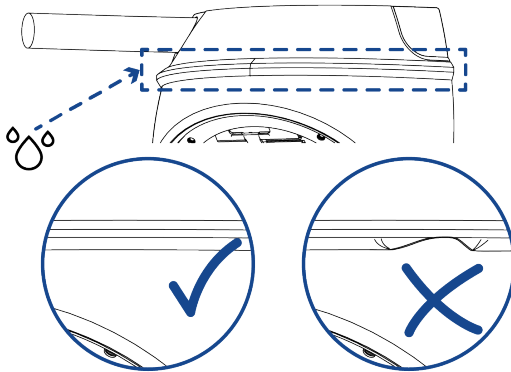
5. Insert the sealing grommets with the required cables pulled through into the cable entry holes on the back of the camera base. For more information, see [Inserting Cables through the Sealing Grommet on page 19](#).



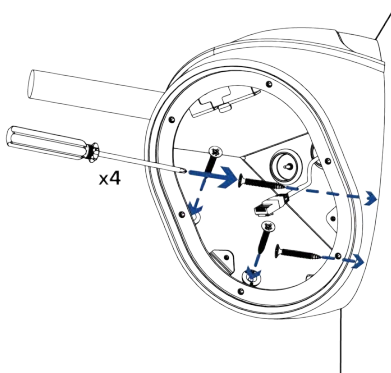
6. Place the camera base in the mounting location.



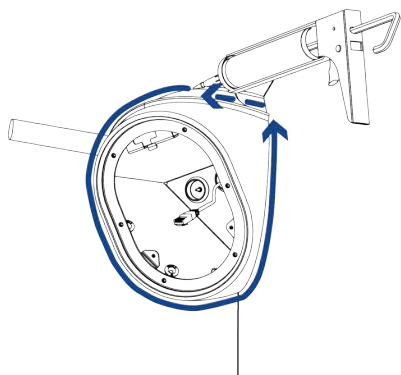
7. Check the rubber gasket where the camera and conduit box join. The gasket should fit easily over the top edge of the corner camera. Adjust to correct anywhere the gasket is pinched.



8. Drive the 4 mounting screws to secure the camera in place



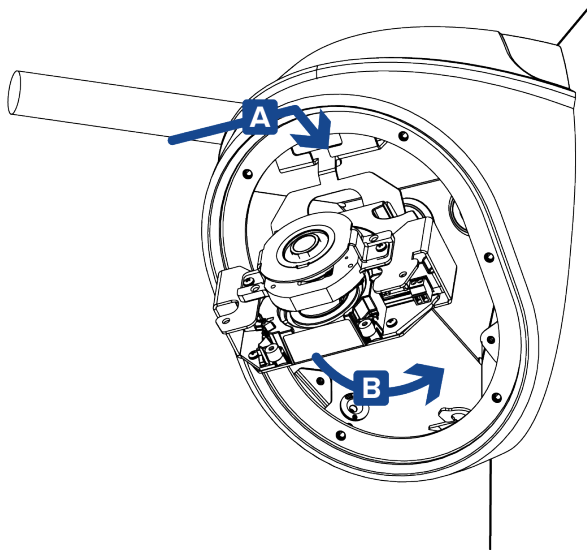
9. Apply silicone sealant around the edges of the camera base and conduit box to prevent moisture from entering the mounting surface.



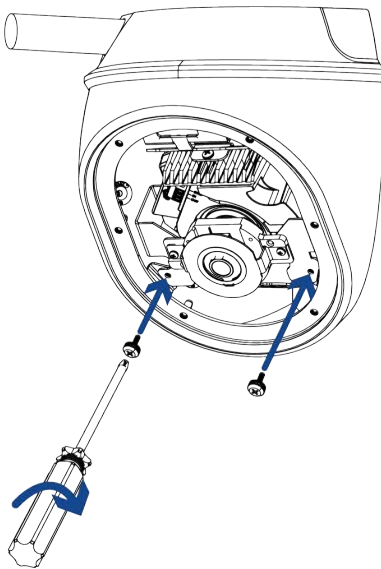
Mounting the Sarix Corner Camera Gimbal

Once the camera base is mounted in place, install the gimbal back into the base:

1. Connect the Ethernet cable and any other cables required. For more information see [Connecting Cables to Sarix Corner Cameras on page 35](#).
2. Slide the hook at the top of the gimbal into the slot at the top of the camera base (A) and then rotate the gimbal into the housing (B).



3. Use a phillips screwdriver to tighten the 2 screws and secure the gimbal to the camera base.

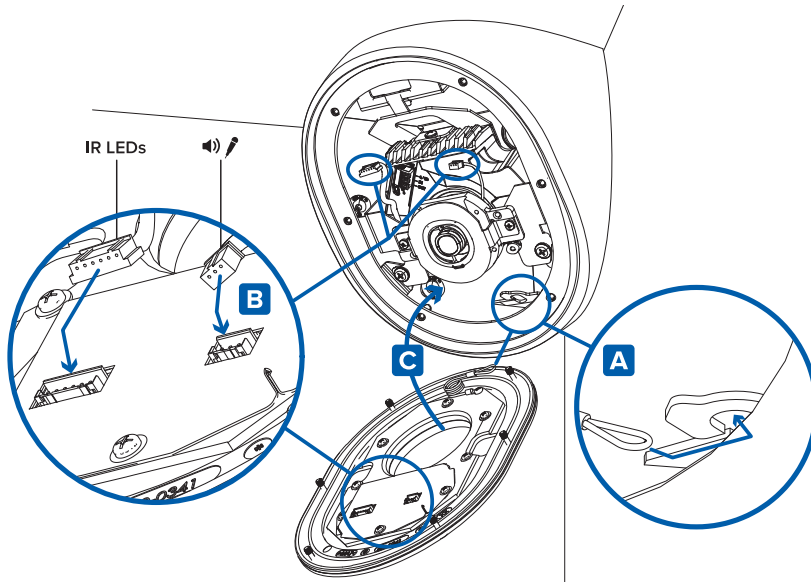


Installing the Front Cover on Sarix Corner Cameras

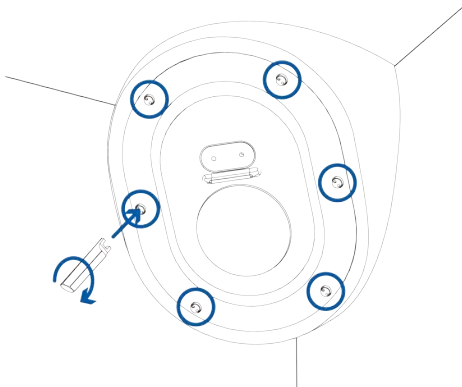
Make sure you complete the steps in the [Adjusting Sarix Corner Cameras on page 47](#) sections before installing the camera cover. If you need to make any further adjustments, you will have to remove the camera cover.

Be careful not to touch or scratch the dome bubble. Any marks or fingerprints on the dome bubble will cause unwanted reflections.

1. Attach the lanyard to the lanyard hook at the bottom of the camera base (A).



2. Connect the LED cable to the connector on the front cover (B).
3. If you are using the built-in microphone, connect the microphone audio cable to the connector on the front cover (B).
4. Fit the front cover into place (C).
5. Secure the front cover to the camera base by tightening the 6 screws with the supplied driver.



Connecting Cables to Sarix Corner Cameras

Sarix Corner Cameras require electrical power and a network connection to operate. The following sections cover how to supply the camera with power and network connectivity and how to connect external devices using the camera's removable connector block.

Connecting Power Cables to Sarix Corner Cameras

There are three ways of connecting Sarix Corner cameras to a power source:

- [Power over Ethernet \(PoE\) below](#) — connect Power over Ethernet (PoE) to supply the camera with electrical power and network connection using the Ethernet port.
- [Auxiliary Power below](#) — connect Aux power to supply the camera with electrical power. You will have to supply network connectivity using the Ethernet port.
- [Auxiliary Power and Power over Ethernet \(PoE\) on the next page](#) — connect both PoE and Aux Power. The camera will draw power exclusively from Aux and use PoE for network connectivity.

Power over Ethernet (PoE)

Sarix Corner cameras accept a PoE connection to supply electrical power and network connectivity. The PoE connection also facilitates communication with the network servers and sharing of video footage, images and other data over the network.

1. Locate the Ethernet port on the camera. See the *Overview* section for the locations of the Ethernet port.
2. Insert the PoE cable to the camera's Ethernet port (RJ45 connector).
3. The green and yellow LED indicators will light up if the connection was successful. Refer to the [Connection Status LED Indicators on page 44](#) section for more information.

Auxiliary Power

If PoE is not available, the camera needs to be powered through the removable power connector block.

To connect power to the power connector block, complete the following steps:

1. Remove the power connector block from the camera. See the *Overview* section for the locations of the Power Connector Block.
2. Remove the insulation from ¼" (6 mm) of the power wires. Do not nick or damage the wires.
3. Insert the two power wires into the two terminals on the power connector block. The connection can be made with either polarity.
Use a small slotted (5/64" or 2 mm blade width) screwdriver to loosen and tighten the terminals.
4. Attach the power connector block back into the camera.

Auxiliary Power and Power over Ethernet (PoE)

You can connect cameras to both PoE and Aux to provide power redundancy. If the camera has power available from both auxiliary (Aux) power supply and a PoE PSE (Power Sourcing Equipment) device, the camera will draw power from Aux. If the camera loses power from Aux, it can switch to drawing power from PoE.

Sarix Corner Camera Failover

Sarix Corner cameras support non-seamless failover. These cameras will power-off while waiting to transition from Aux power to PoE power. If the Aux power is resupplied, the camera might reboot while transitioning back to using Aux power. The camera might not reboot if the external Aux power supply reacts quickly enough to the increase in load.

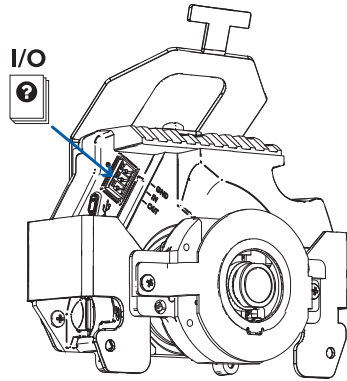


NOTE

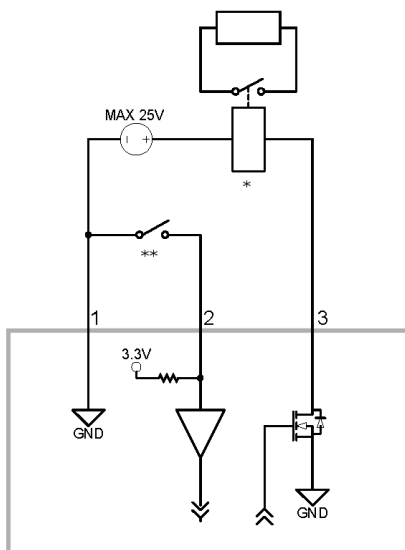
Make sure that sufficient power is manually reserved on the PSE, as the camera will not request PoE power until the camera loses Aux power.

Connecting External Devices to Sarix Corner Cameras

External devices are connected to the camera through the I/O terminal block, shown in the image below.



The pinout for the I/O terminal block is shown in the following diagram:



1. Ground
2. Input — To activate, connect the Input to the Ground pin. To deactivate, leave disconnected or apply between 3-15 V.
3. Output — When active, Output is internally connected with the Ground pin. Circuit is open when inactive. Maximum load is 25 VDC, 120 mA.

* — Relay

** — Switch

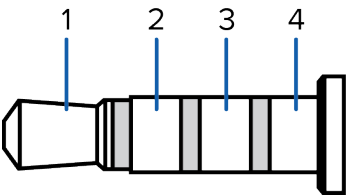
Connecting Sarix Corner Cameras to Microphones and Speakers

Sarix Corner cameras can be connected to an external microphone and speaker through the mini-jack (3.5 mm) audio/video connector (AVIO-3500).



NOTE
The camera only supports line level mono audio input and does not support NTSC or PAL video output.

The pinout for the connector is shown in the following diagram:



The wiring for the connector pinout is shown in the following table:

Ring	Purpose	Wire
1	Audio IN	Red
2	Composite Video OUT (not supported)	Black
3	GND	Yellow
4	Audio OUT	Green

Configuring Onboard Storage (Optional)

To use the camera's onboard storage feature, you must insert 1 microSD card into a microSD card slot. While there are two microSD slots, currently the camera only supports a single microSD card in either slot for onboard storage.

We recommend that the microSD card have a minimum storage capacity of 64 GB. Video Speed Class microSD card required, with Class V10 or better recommended. If the microSD card does not meet the recommended capacity or write speed, the performance of the onboard storage may suffer and result in the loss of frames or footage.

Ensure the microSD card is designed for continuous video recording or the microSD card life expectancy may be adversely affected.

1. Insert the microSD card into the camera. See the *Overview* section for the location of the microSD card slot.



WARNING

Do not force the microSD card into the camera or you may damage the card and the camera. The card can only be inserted in one direction.

2. You will also need to enable the storage feature in the camera web interface. See [Resources for Pelco Cameras on page 49](#) for information on using camera features and configuring settings.

Adding Cameras to the Network

Sarix Corner Cameras must be added to the IP network before you can connect them to the Video Management System (VMS). The following sections cover how to add cameras to the network and how to discover the camera's IP addresses.

Choose a Tool to Access Camera Settings

There are different tools that you can use to configure cameras. If you are configuring many cameras with the same settings, you will want to use the Camera Configuration Tool (CCT) to claim and apply settings in bulk. The camera web interface allows you to configure cameras one at a time from a web browser. You can only access the camera's web interface from a computer connected to the same network as the camera.

You can use one of the following tools:

- **Camera Configuration Tool** — use CCT to discover, initialize and configure cameras. CCT can discover and claim many cameras at once. You can also use CCT to configure and bulk apply common settings to cameras.
Refer to the [Motorola Solutions Camera Configuration Tool User Guide](#) for instructions.
- **Mobile Web Interface** — use the mobile web interface to configure cameras that were added to the network using the USB Wi-Fi Adapter from the mobile web interface.
- **Camera Web Interface** — use the camera web interface to initialize and configure cameras individually from a web browser without using the VMS. You can not use the camera web interface to discover cameras. You must find the IP address on the network before you can access the web interface.
Refer to the relevant Pelco Camera Operations Manual at pelco.com/docs for instructions.

Using the USB Wi-Fi Adapter (Optional)

You can use the USB Wi-Fi Adapter to connect the camera to the network instead of an Ethernet cable. Sarix Corner cameras require either the USB-AC56-NA-MSI-B or USB-AC56-EU-MSI-B adapter.

1. Attach the adapter to the camera's USB-C port to add the camera to the network.
2. Open the camera's mobile web interface.
3. After you connect to the Wi-Fi signal broadcast by the adapter, you can access the mobile web interface from any mobile device using the following address: *http://camera.lan*.



NOTE

The camera will reserve the 10.11.22.32/28 subnet for internal use while the USB Wi-Fi Adapter is plugged in.

4. You can also use the mobile web interface to configure the camera settings. For more information about configuring the camera from the mobile web interface, see the [USB Wi-Fi Adapter System User Guide](#).

Discovering Cameras on the Network

The camera will automatically be assigned an IP address as soon as it is connected to the network. The camera does not come with a preset static IP address.

To ensure proper connectivity, the cameras and the client machine accessing them must be on the same subnet. This can be achieved through one of the following methods:

- If DHCP is enabled, set the client machine to obtain a DHCP assignment so that the cameras and devices are automatically added to the same subnet.
- If DHCP is not enabled, set the client machine for zero-configuration networking (zero-conf). The cameras will use zeroconf to obtain an IP address in the 169.254.x.x range. Zero-conf is the default behavior for Windows OS when DHCP is not available.

Finding the Camera's IP Address

After you have added the camera to the network, you must find the camera's IP address. You will need the camera's IP address if you want to access and configure the camera's settings.

Use one of the following methods to find the camera's IP address:

- **Camera Configuration Tool (CCT)** — use CCT to autodiscover cameras on the same network as the client machine you are using.
- **Camera Web Interface** — use the camera web interface to initialize and configure cameras individually from a web browser without using the VMS.

Consider one of these options if you do not have access to CCT, or the web interface:

- **ARP/Ping** — The ARP/ping method can be used to change the IP address of a camera that is factory default and does not currently have any administrator credentials configured. The arp Windows command adds an entry to the ARP table. Then, while powering on the camera, pinging the camera with the new IP address will cause the camera to take on the new IP address.
- **DHCP assignment** — a network administrator will be able to check the DHCP assignment for the IP addresses on the network.

Changing the IP Address (Optional)

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

- Video Management System (VMS) software application
- Camera Configuration Tool

Initializing a Camera by Creating a Username and Password

You must create an initial user with administrator privileges and log in to the camera before the camera becomes operational. You will need the camera's IP address to create the initial user. See [Discovering Cameras on the Network on the previous page](#) for instructions on how to obtain the camera's IP address.

There are different tools you can use to create the initial user. See [Choose a Tool to Access Camera Settings on page 40](#) for more information.

You can use one of the following tools to create the initial user:

- **Camera Configuration Tool** — cameras discovered in the factory default state will be identified by 🟡. Select the *Admin Users* tab to create the first user.
- **Mobile Web Interface** — when connecting a camera in the factory default state, you will be redirected to the *Create Administrator User* page to create the first user.
- **Camera 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.



NOTE

If you are using a third-party VMS, you must complete this step with either CCT, USB Wi-fi Adapter mobile web interface or the camera's web interface before you can use the camera.

Connection Status LED Indicators

Once connected to the network, the green Connection Status LED indicator will display the progress in connecting to the Video Management System (VMS) software. The following table outlines the different LED signals:

Connection State	Connection Status LED Indicator	Description
Obtaining IP Address	One short flash every second	Attempting to obtain an IP address.
Discoverable	Two short flashes every second	Obtained an IP address but not connected to the Network Video Management software.
Upgrading Firmware	Two short flashes and one long flash every second	Updating the firmware.
Connected	On	Connected to the Network Video Management software. The default connected setting can be changed to Off using the camera's web user interface. For more information, see the <i>Pelco Sarix Corner Camera 3 Series Operations Manual</i> . Connected to Avigilon Alta Video.

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	Perform a factory reset of the camera using the physical firmware revert button. Check the <i>General</i> 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

LED Behavior	Suggested Solution
Both LEDs are blinking several times at the same time, then pause and repeat the blinking	produce the desired result. 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.

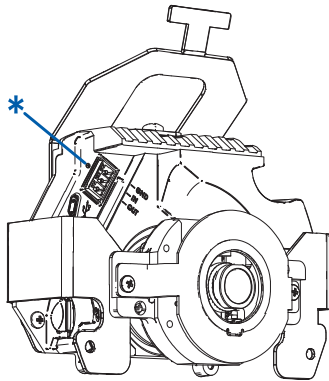
Resetting Sarix Corner Cameras to their Factory Default Settings

If the Sarix Corner camera no longer functions as expected, try performing a factory reset using the camera's firmware revert button. Use the firmware revert button to reset the device to its factory default settings.

For cameras that have an SD card inserted, resetting the camera will not affect video that has been recorded to the card.

Follow these steps to manually reset the camera:

1. Ensure the camera is powered on.
2. Remove the camera cover.
3. Locate the reset button on the camera module. The reset button is a small hole.



4. Use a paperclip or small tool to press and hold the reset button until the LEDs beside the reset button turn off. This should take approximately 2 seconds.
5. Release the button and wait while the camera reverts to the factory default settings.



CAUTION

Do not apply excessive force. Inserting the tool too far could damage the camera.

Adjusting Sarix Corner Cameras

The last stage of the installation is adjusting the camera to optimize the video quality. Use the Live Viewer in the camera's web interface or the VMS to check the camera's field of view. Once you have access to the camera's video stream, you can adjust the camera's zoom and focus controls.

Make sure you complete these steps before attaching the camera's cover in case you need to make further adjustments:

Accessing the Live Video Stream

You can view the live video stream using one of the following methods:

- Camera Web Interface
- VMS client application

Zooming and Focusing Cameras

You can use the camera's **Zoom** and **Focus** controls to adjust the camera image before finishing the installation. You will need access to the camera's video feed to check the camera's image quality.



IMPORTANT

Make sure you install the camera's cover before adjusting the camera's zoom and focus because the camera cover can affect the image.

You can use the camera web browser to access the camera's *Image and Display* settings to zoom and focus the camera.

1. Access the camera's *Image and Display* settings.
2. Use the **Zoom** controls to zoom the camera in or out.
3. Use the **Focus** controls to manually adjust the focus.
4. Click **Auto Focus** to let the camera automatically focus the lens.
5. Click **Save**.

Sarix Corner Camera Maintenance

The sections below provide information and instructions for the ongoing maintenance of your Pelco cameras and devices. Perform regular maintenance to ensure that your products continue to perform well throughout the product's service life.

Cleaning Sarix Corner Cameras

Dirt, dust and/or fingerprints on the camera can cause the video image to become blurry. Make sure you clean these products to ensure optimal performance. Refer to the instructions below when cleaning Sarix Corner Cameras.

Which Cleaning Solutions Should I Use?

You can clean Pelco cameras using mild soap and water along with a non-abrasive cloth, microfiber cloths work best.



CAUTION

Do not use Windex to clean plastic or Lexan surfaces such as a dome or camera housing.

How Should I Clean Sarix Corner Cameras?

If the surface is extremely dirty, use a non-abrasive cloth with soap and water, but make sure you use long, sweeping strokes. Do not apply pressure or the dirt particles can scratch the plastic. Once the surface is clean of dust and dirt, use a new clean non-abrasive cloth with soap and water. This time apply more pressure to help remove the smaller particles.

When cleaning the camera body, use a dry or lightly dampened cloth. Do not use strong or abrasive detergents.



IMPORTANT

Make sure you do not rub any dirt that might already be on the camera. This will scratch the lens which will adversely impact image quality.

Resources for Pelco Cameras

The following resources provide information for installing, configuring and using Pelco cameras. You can find more information and resources for your Pelco cameras at pelco.com/docs.

1. For best practices on positioning cameras for optimal performance, see the *Designing a Site with Pelco Smart Analytics* available at pelco.com/docs.
2. To upgrade your camera firmware, see the Pelco [Software Updates](#) page.
3. For instructions on using the Camera Configuration Tool (CCT) to claim and configure multiple cameras at once, see the *Camera Configuration Tool User Manual* at pelco.com/docs.
4. For instructions on using the Camera Web Interface to configure camera settings and features, see the relevant Pelco Camera Operations Manual at pelco.com/docs.

Pelco Troubleshooting Contact Information

For further assistance, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international).

Do not try to repair the unit yourself. Leave maintenance and repairs to qualified technical personnel only.

PELCO[®]