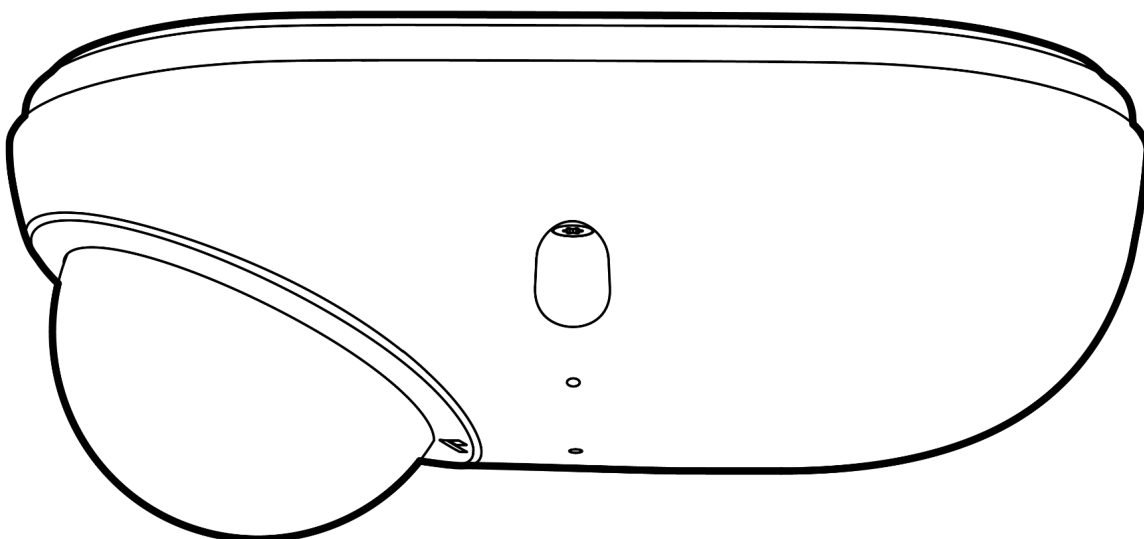


KCD41-E

Indoor/Outdoor Transportation Dome Camera



Document Details

Version

V1.0 20260914

(V1.0 published 20260914)

Document ID: KCD41-E Install Guide

Firmware

Firmware version can be verified on Verkada

Command command.verkada.com.

Product Models

This install guide pertains to models:

- KCD41-256E-HW
- KCD41-512E-HW
- KCD41-768E-HW
- KCD41-1TB-E-HW
- KCD41-2TB-E-HW
- KCD41-128E-HW

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Introduction

What's in the Box



Transportation Dome Camera



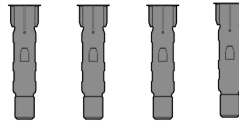
Mount plate
(Attached to camera)



T10 Torx Security Screwdriver



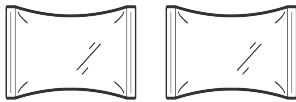
Wall Screws (4 pcs)
Length: 25mm Diameter: 4mm
Drive: #2 Phillips



Wall Anchors (4 pcs)



Self-Tapping Screws (4 pcs)
Length: 25mm Diameter: 4mm
Drive: #2 Phillips



Desiccant (2 pc)

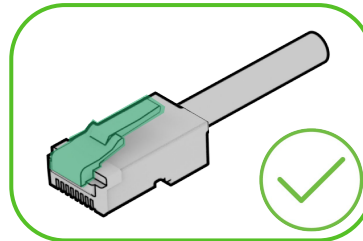


Cable Gland
Size: 5.0-6.5mm
(Attached to camera)

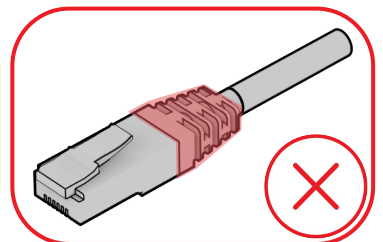
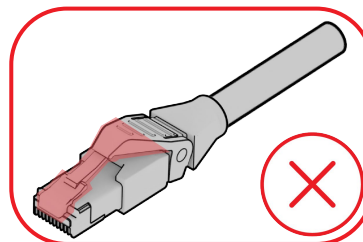
What you'll need

- A working Internet connection
- 802.3at/af Power over Ethernet (PoE) switch, or a PoE injector
- A Cat5 or Cat6 Ethernet cable with a 0.2-0.3 inch outside diameter (5-6.5mm)
- A smartphone or laptop
- A #2 Phillips screwdriver or power drill with a #2 Phillips driver bit
- 1/4 inch (6.5mm) drill bit for wall anchors
- 1/8 inch (3mm) drill bit for pilot holes

Ethernet Cable Requirements

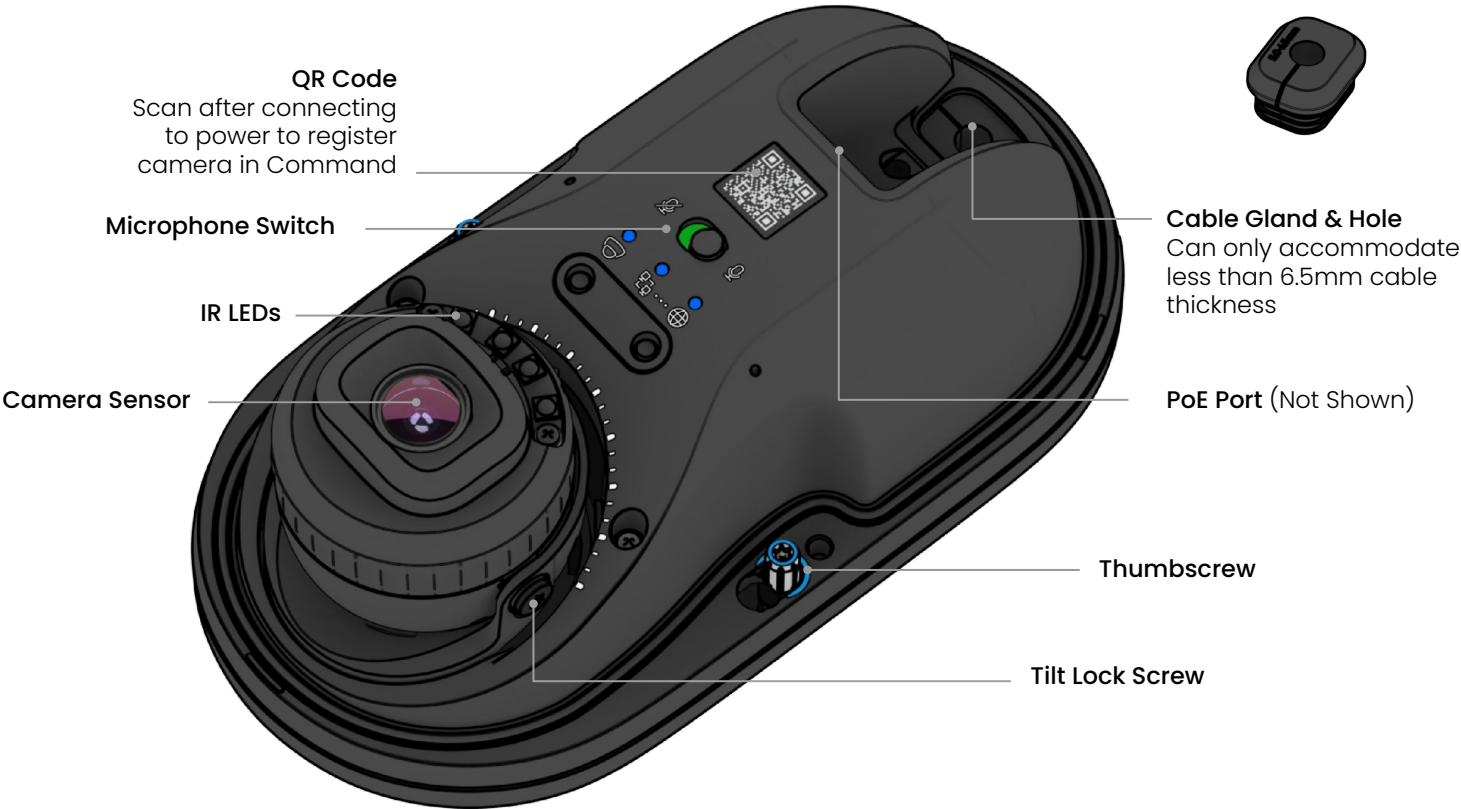


A compact cable head is required to fit the limited space in the PoE Port area.



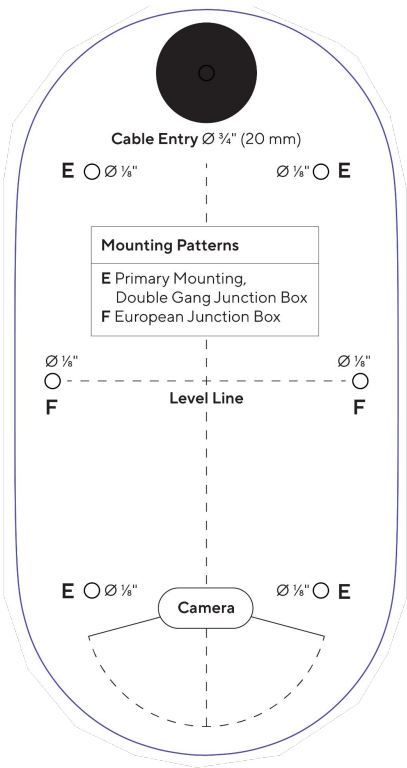
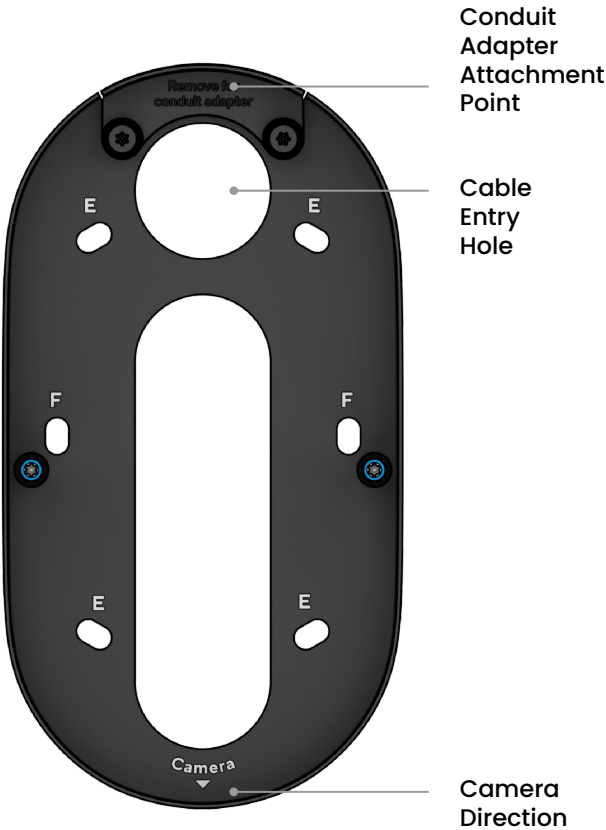
Introduction

Overview 1/2



Mounting Patterns

- E Double Gang Junction Box
- F European Junction Box

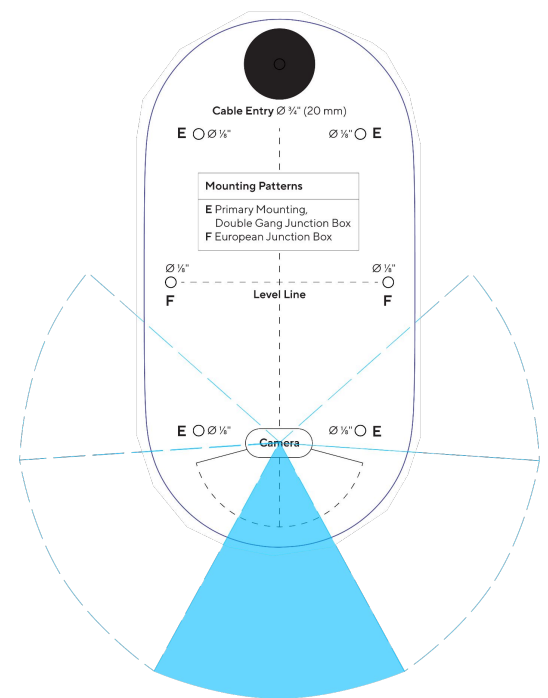


Introduction

Recommended Mounting Scenarios

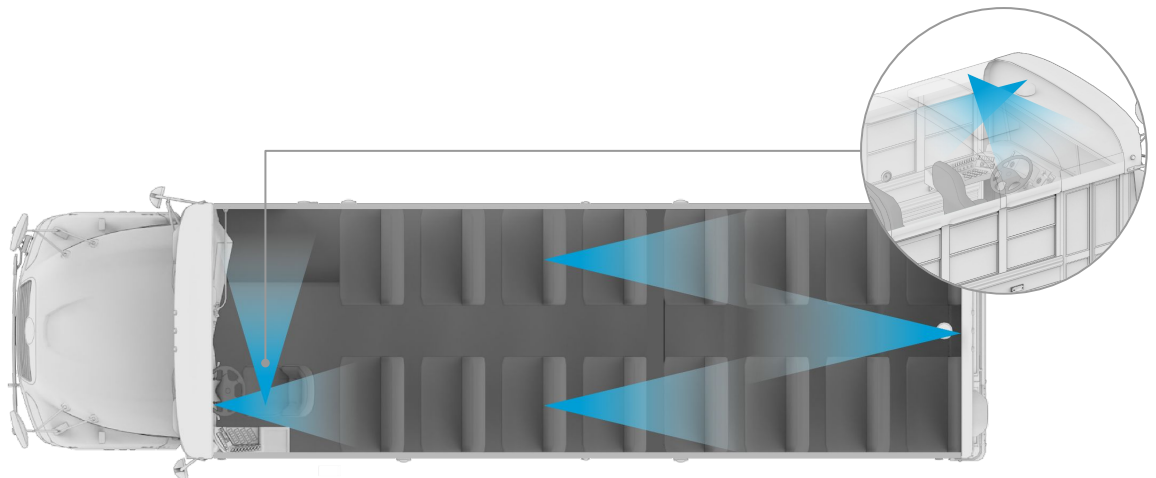
The Field of View allowed by the camera is illustrated below. Take this information into consideration as it is being mounted on the vehicle.

Refer to the *Adjust Camera Angle* section for specific camera tilt features.

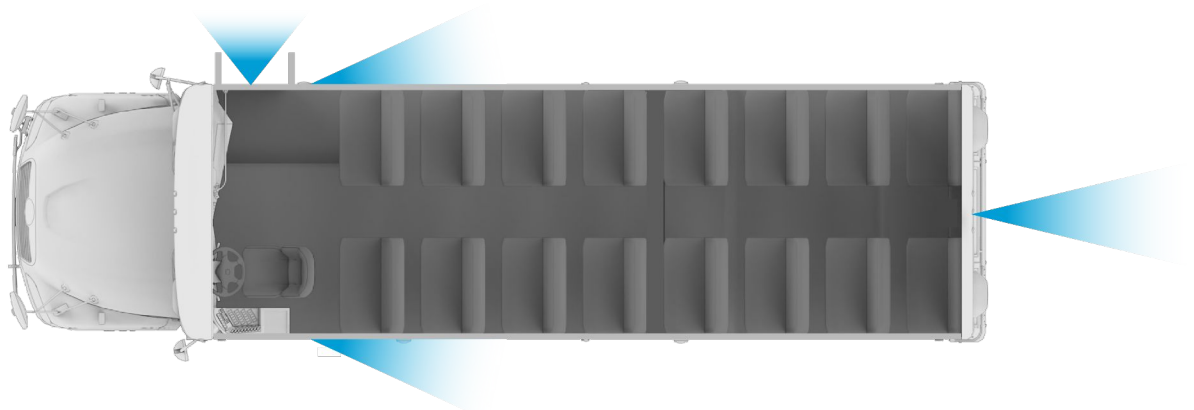


Forward Field of View

Interior
Placements*



Exterior
Placements*



*Placement reference only; not accurate to field of view

Exterior LED Behavior

General operation

- **Solid Blue**
Camera is running, connected, and recording data.
- **Solid Orange**
Camera is on and booting up.
- ☀ **Flashing Orange**
Camera is updating firmware.
- ☀ **Flashing Red**
Specific error, see “Network errors” below.
- **Solid Red**
Contact support.



Network errors

When the camera top cover is on, an error will be communicated through the outer Status LED, which will flash a specific number of times depending on the error state.

1 Red – No IP Address

Camera has not received an IP address.

2 Red – Duplicate IP

Camera has detected duplicate IP addresses on the LAN.

3 Red – No Gateway

Camera is not able reach the configured Gateway.

4 Red – No Switch

Camera is connected with PoE, but unable to connect to the Switch.



Example of **5 Red** flashes on Outer Status LED

5 Red – DNS error

Camera is not able to resolve Verkada hostnames.

6 Red – NTP Error

Camera is not able to receive a response from the NTP Server.

7 Red – Not Connected to Command

Verkada endpoints are not reachable after boot up.

Interior LED Behavior

General operation

- **Solid Blue**
Camera is running, connected, and recording data.
- **Solid Orange**
Camera is on and booting up.
- ☀ **Flashing Orange**
Camera is updating firmware.
- ☀ **Flashing Red**
Specific error, see “Network errors” below.
- **Solid Red (x3)**
Contact support



Network errors (Interior ‘Debug’ LEDs)

When the camera top cover is removed, the specific error will be communicated locally on the LAN or WAN debug LED, while the device Status LED will show solid red.

LAN errors

1 Red – No IP Address

Camera has not received an IP address.

2 Red – Duplicate IP

Camera has detected duplicate IP addresses on the LAN.

3 Red – No Gateway

Camera is not able reach the configured Gateway.

4 Red – No Switch

Camera is connected with PoE, but unable to connect to the Switch.



Example of **2 Red** flashes on LAN Debug LED

WAN errors

1 Red – DNS error

Camera is not able to resolve Verkada hostnames.

2 Red – NTP Error

Camera is not able to receive a response from the NTP Server.

3 Red – Not Connected to Command

Verkada endpoints are not reachable after boot up.

Preparation

Connect Device

Note: This step can be done after mounting, although registering the product first will ensure it is in working order prior to mounting.

Connect the camera to your network using the Ethernet port located behind the cable door on the device.

For easy registration and setup, scan the QR code on the product.

If you prefer to manually register your product, please proceed to:

verkada.com/start

Enter the serial number printed on the back of the device, the packaging, or the order number.



Installation

Camera Preparation 1/2

Please keep the protective film adhered to the clear bubble until completing the final step of installation.

Unscrew the two Torx security screws on the top cover.



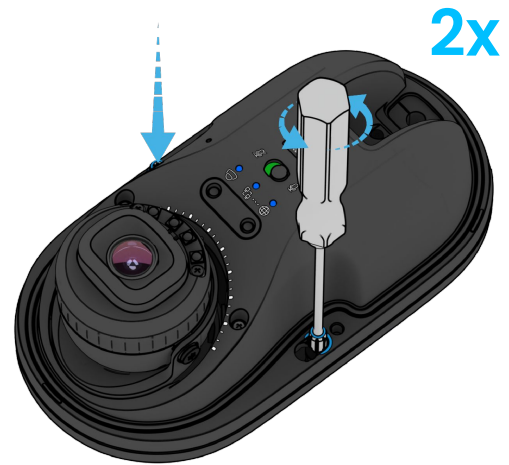
Lift the top cover and set it aside. Be careful to not scratch the clear bubble.



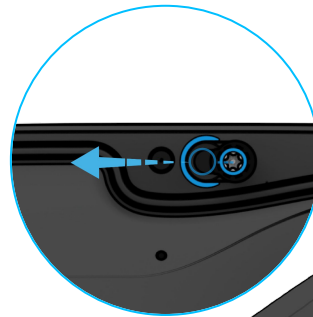
Installation

Camera Preparation 2/2

Loosen the two thumbscrews on the mount plate, using the T10 Torx Security Screwdriver.



Slide the camera back and lift the camera off of the mount plate.



Set the camera aside.

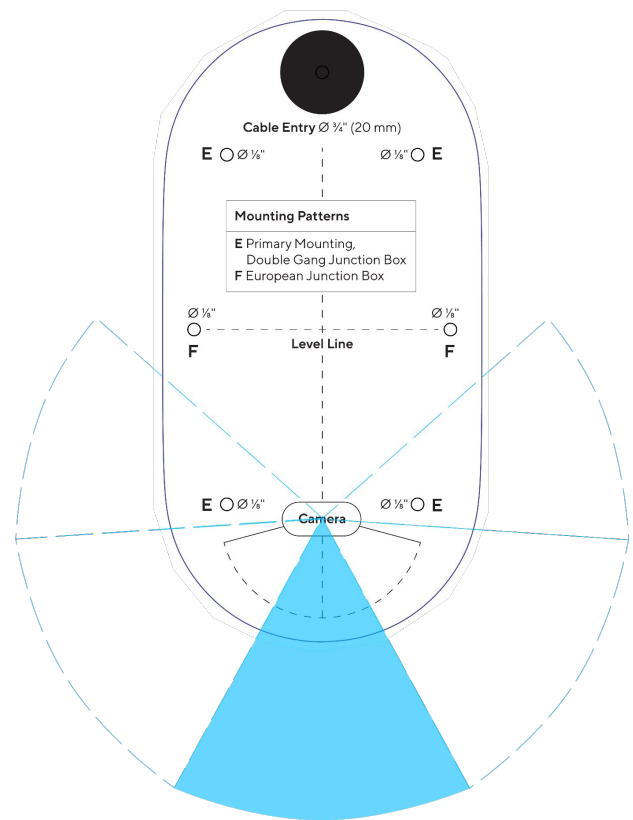


Installation

Mounting 1/6

Use the adhesive template to mark the mounting holes and the the cutout for the cable.

Note: Make sure camera lens is oriented in the correct direction (camera install on mount plate is not reversible)



Orient the template to the desired position and peel backing to adhere template onto the surface.

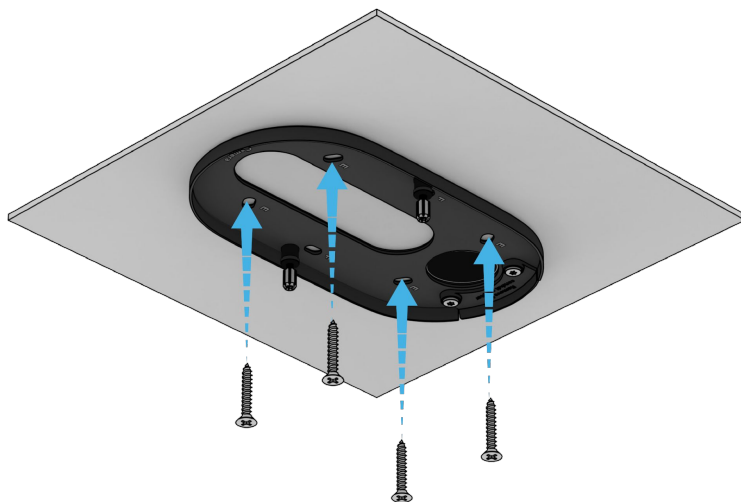
Drill 1/8 inch (3mm) pilot holes and drill a 3/4 inch (20mm) hole for the Ethernet cable routing.



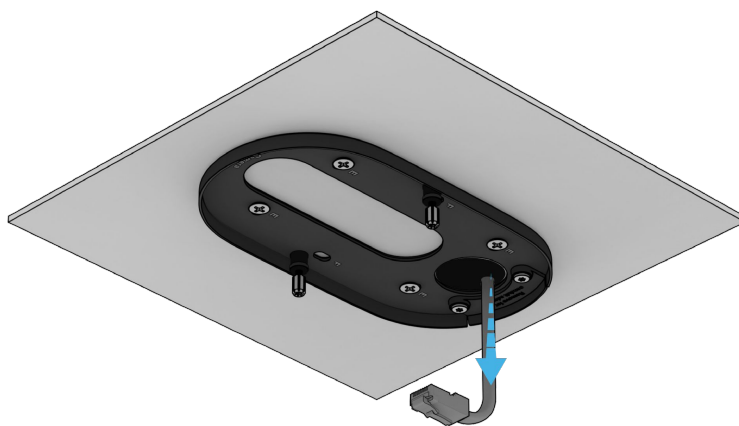
Installation

Mounting 2/6

Install the Mount Plate using the four provided Self-Tapping Screws.



Lead the Ethernet cable through the opening on the mount plate.

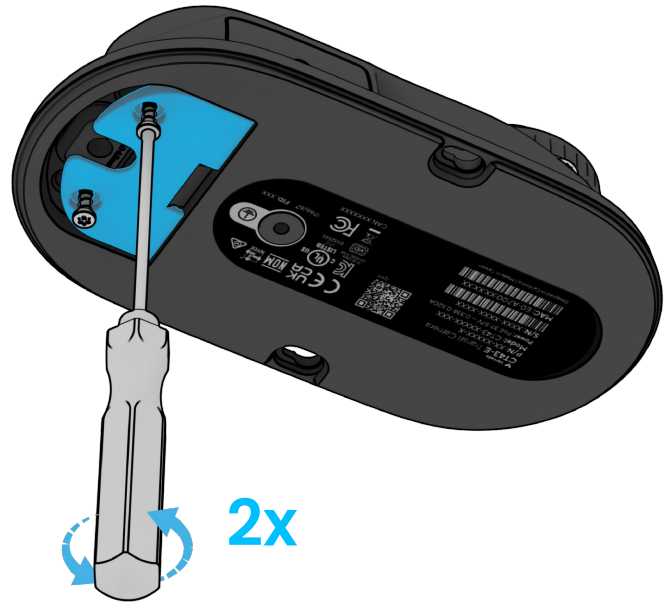


Installation

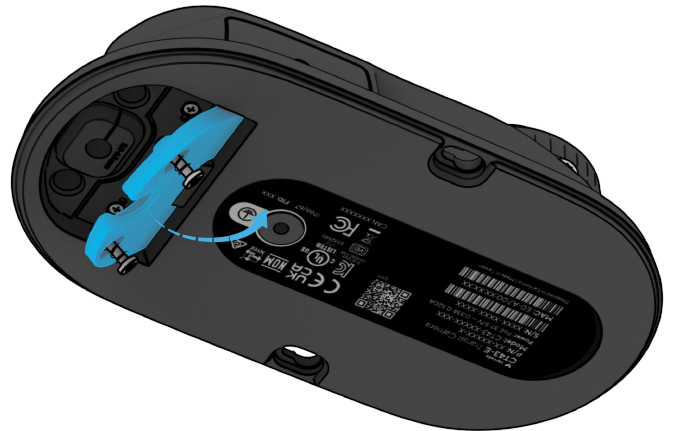
Mounting 3/6

Retrieve the camera.

Loosen the screws on the cable latch, using the T10 Torx Security Screwdriver.

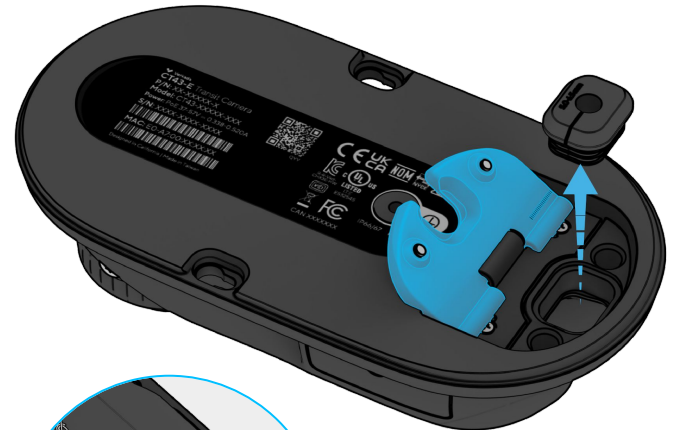


Open the cable latch.

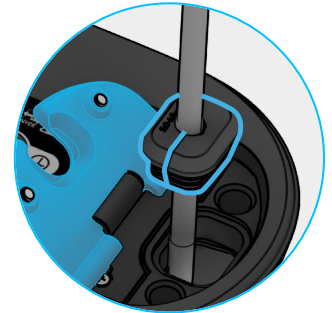


Mounting 4/6

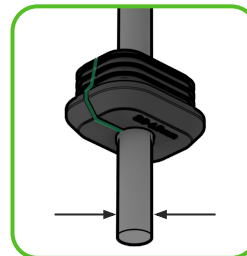
Remove the cable gland and set it aside.



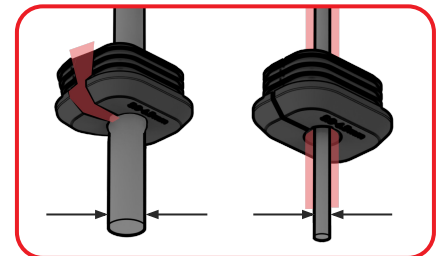
Lead the Ethernet cable through the cable gland hole and latch and connect the cable to the camera.



Wrap the Cable Gland around the Ethernet cable. It is important to choose the correct cable gland for the cable thickness; it may not exceed 6.5mm nor smaller than 5.0mm.



5.0-6.5mm



Press the cable gland into the cable gland hole.

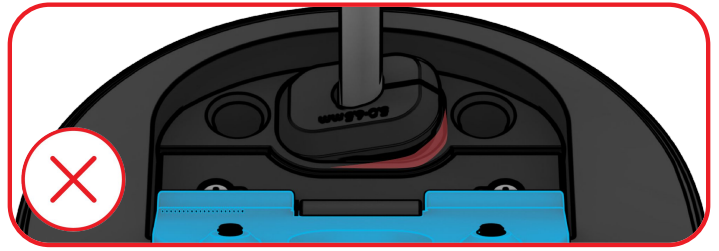
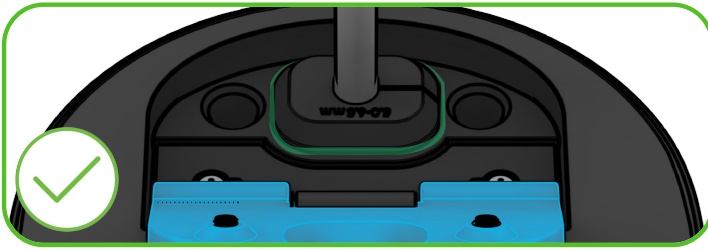
In case of extra slack, press the excess back into the cable gland.



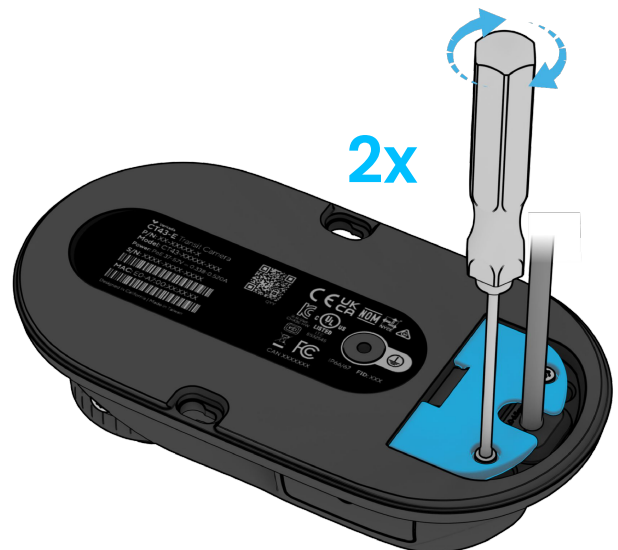
Installation

Mounting 5/6

Ensure that the cable gland is firmly in place with no gaps or unevenness.

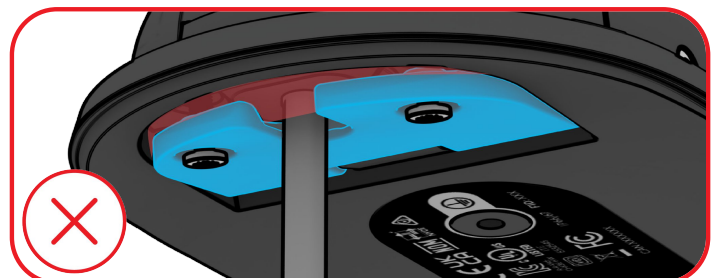
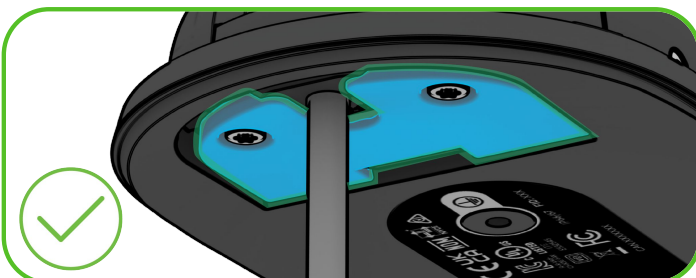


Swing the latch closed.



Tighten the screws with the T10 Torx Security Screwdriver.

Ensure the latch is fully down and closed before tightening the security screws.



Installation

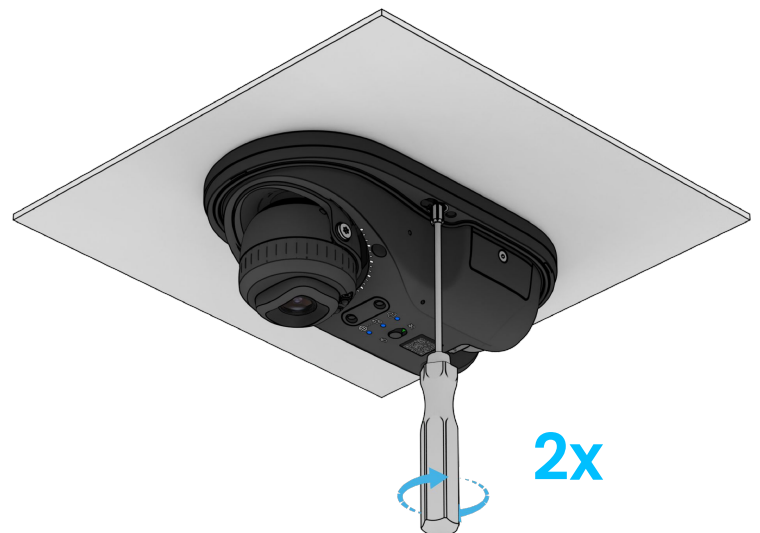
Mounting 6/6

Align the blue holes to the thumbscrews and slide the camera onto the Mount Plate.



Tighten the thumbscrews using the T10 Torx Security Screwdriver to secure.

Scan QR code to register on Verkada Command. Refer to *Connect Device* section to continue.



Installation

Adjust Camera Angle

Adjust the camera to the desired viewing angle and rotation.

View the camera feed through Command to get an accurate idea of orientation and the field of view.

Note: Image can also be rotated 90°, 180°, 270° in Command.



15°-90°

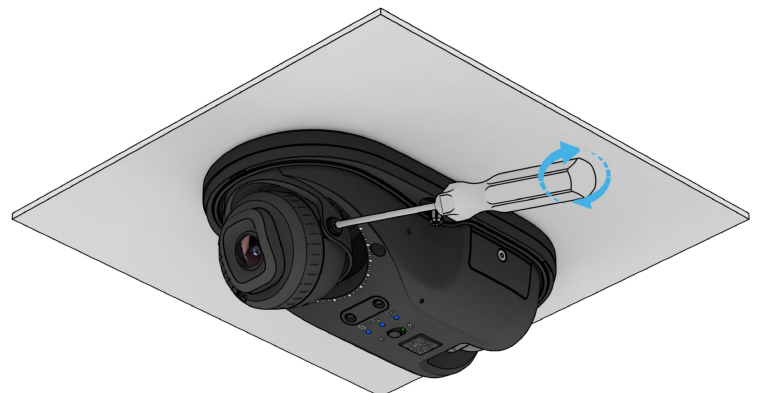


+/- 90°



+/- 75°

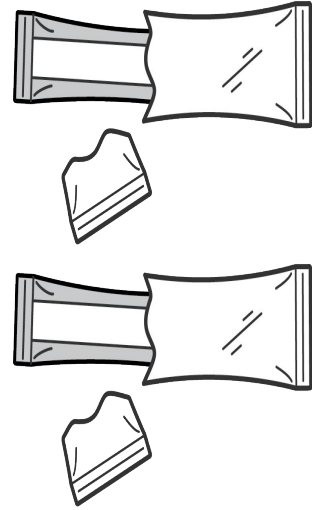
To lock the tilt, tighten the gimbal screws.



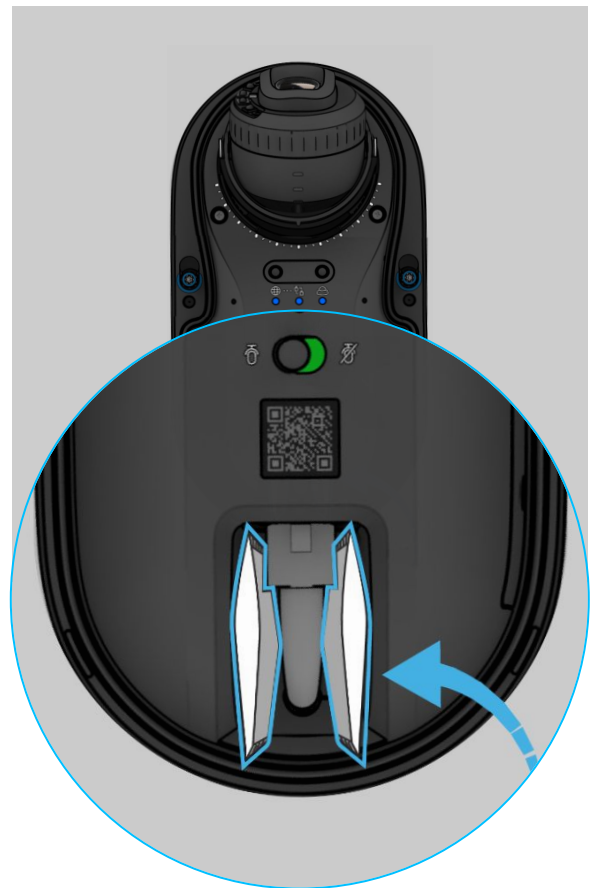
Installation

Desiccant

Open and remove the two desiccant packs from their outer pouches.



Peel the adhesive backing on the packs. Place them next to the cable as shown.



Installation

Secure

Align the top cover with the security screw positions to the corresponding holes on the camera base and hold it in place.



Screw down one security screw on the top cover lightly.

Tighten the other screw fully. Return to the first screw and tighten it fully. This ensures that the top cover is properly sealed.

Remove the plastic film from the clear bubble.



Appendix

Compliance

FCC	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. NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
ISED	This device complies with ISED's licence-exempt RSSs. 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. Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.
E-Mark	The KCD4I-E Indoor/Outdoor Transportation Dome Camera is an IEEE 802.3af/at PoE-powered network camera designed for video monitoring inside or outside vehicles. Its functions do not affect driving or passenger safety, and the device does not perform any immunity-related functions. It shall be installed so that it does not obstruct the driver's view or interfere with any vehicle safety system.

Appendix

Support

Thank you for purchasing this Verkada product. If for any reason you're experiencing issues or need assistance, please contact our 24/7 Technical Support Team immediately.

Sincerely,
The Verkada Team
verkada.com/support

