Illustra

Quick Start Guide
(A163821U4Y_B)
Illustra Pro Gen 4 Bullet Cameras

In the box
- 4 x plastic screw anchors (use on masonry walls and wood)
- 4 x Phillips pan head tapered screw TP6x32mm (use on masonry wall and wood)
- 1 x Printed Quick Start Guide
- 1 x Printed regulatory document
- 1 x RJ45 Connector
- 1 x Terminal block
- 1 x Mounting arm
- 1 x Mounting template
- 1 x Desiccant bag
- 4 x Toggle screw (Expansion Bolt)
- 1 x T10 security Torx wrench
- 1 x Pendant / pole mount adaptor
- 1 x rubber plug (with two holes) and 1 rubber pin
- 1 x rubber plug (with no holes)
- 1 x 4mm Allen key
- 1 x Reset Pin

Installation tools
- 1 x Drill
- 1 x T10 security Torx wrench
- 1 x Phillips screwdriver

Johnson Controls

Quick reference
- **Default IP:** 192.168.1.168 (DHCP enabled)
- **Default Username and Password:** admin
- **Power:** 24V AC, 50/60Hz, 1.27A or PoE 48V DC 0.53A

Note: The camera will support PoE+ power detection to enable additional IR range (50m (PoE), 70m (PoE+).
Note: You can attach the camera to a surface or directly to a pendant or pole 1 ½ '' Male NPT pipe using the pendant / pole mount adaptor. (The pendant / pole mount adaptor can be attached to a standard 1 ½'' NTP pipe using threads or set screws).
Note: To ensure optimal lens performance, JCI recommends using the automated lens calibration feature within the web GUI following initial camera installation.

Attaching the mounting arm to a surface
1. Place the mounting template provided on the surface and drill four 8mm (0.314inch) holes.

Figure 1

Attaching the mounting arm to a surface (continued)
2. Insert the four screw anchors into the four holes on the surface.
3. After passing all required cabling through the mounting arm, place the mounting arm (1) (Figure 1) on the surface and align the four holes on the mounting arm (2) (Figure 1) with the four screw anchors or expansion bolts on the surface (3) (Figure 1).
4. Insert the rubber plug into the top hole on the mounting arm (4) (Figure 1) to prevent water from entering the mounting arm.
5. Securely attach the mounting arm to the surface with the four TP6x32mm screws (1) (Figure 2).
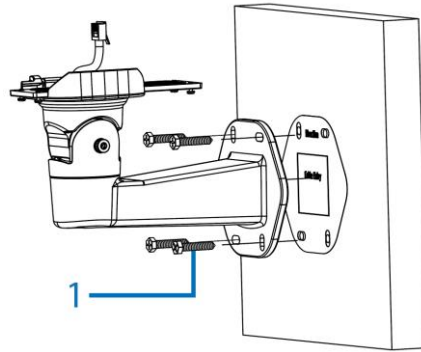

Figure 2

6. Insert the Ethernet cable through the waterproof rubber (1) (Figure 3) and if not using both grommet holes insert the rubber pin (2) (Figure 3) into the waterproof rubber.
7. Insert the waterproof rubber onto the mounting arm plate. (3) (Figure 3).

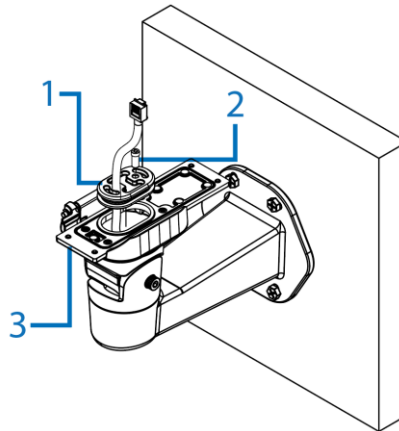## Attaching the mounting arm to a surface (continued)

Figure 3

Attaching the camera to the mounting arm
1. Push the pin (1) (Figure. 4) from the mounting arm hinge.
2. Place the camera onto the hinge (1) (Figure 5) and release the pin so that the camera is attached to the mounting arm plate.

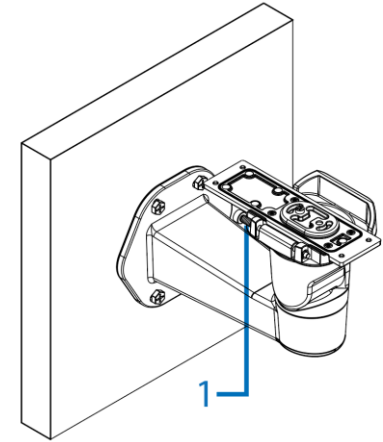## Attaching the camera to the mounting arm (continued)

Figure 4

3. See the **Connecting the power cable to the power plugs** procedure and then continue at step 4.
4. Flip the camera so that it sits properly on the mounting arm plate and secure it to the mounting arm plate with the four T10 screws (1) (Figure 6).

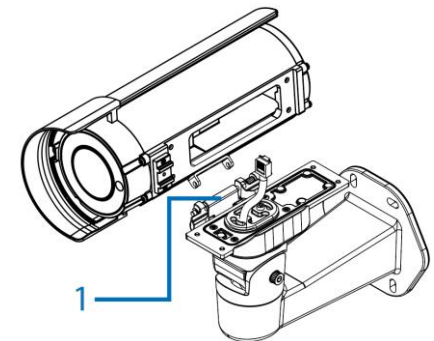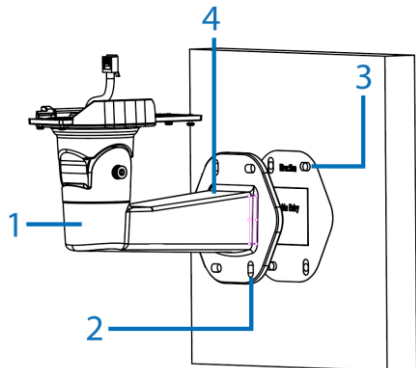## Attaching the camera to the mounting arm (continued)

Figure 5

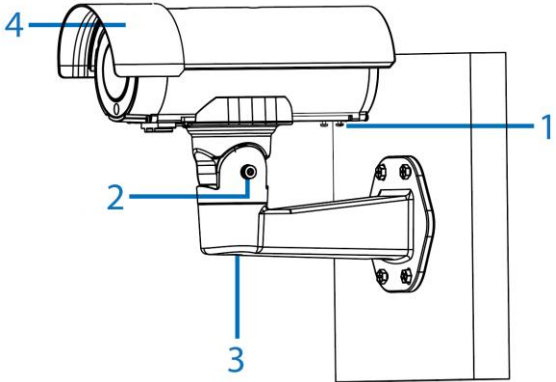## Attaching the camera to the mounting arm (continued)

Figure 6

Attaching the camera to a pendant or pole 1 ½ '' NTP pipe

1. Place the pendant/pole mount adaptor (1) (Figure 7) around a standard 1 ½'' Male NPT threaded water pipe (2) (Figure 7) and securely attach the two M3x0.5P (L = 6mm) screws on the pendant mount adaptor with the T10 security Torx wrench.

Attaching the camera to a pendant or pole 1 ½ '' NTP pipe (continued)
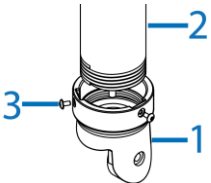

Figure 7

2. Unscrew the M5 Hex socket cap screw (1) (Figure 8) to remove the mounting arm plate (2) (Figure 8) from the mounting arm (3) (Figure 8).
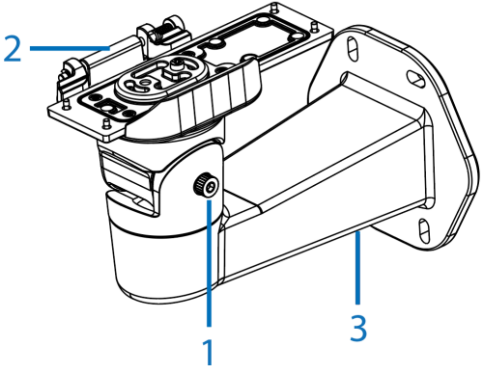

Figure 8

Attaching the camera to a pendant or pole 1 ½ '' NTP pipe (continued)

3. Push the pin (1) (Figure 9) and place the camera onto the hinge and release the pin so that the camera is attached to the mounting arm plate.
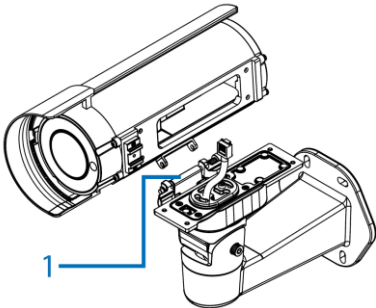

Figure 9

4. See the **Connecting the power cable to the power plugs** procedure and then continue at step 5.
5. Securely attach the mounting arm plate to the camera with the four T10 screws (1) (Figure 10) on the mounting arm plate.
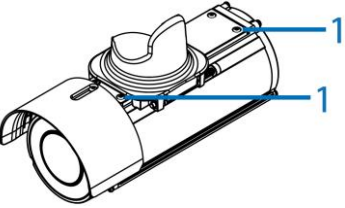

Figure 10

Attaching the camera to a pendant or pole 1 ½ '' NTP pipe (continued)

6. Place the mounting plate arm and camera into the pendant mount adaptor (1) (Figure 11) and securely attach the two M3x0.5P (L = 6mm) screws with the T10 security Torx wrench.
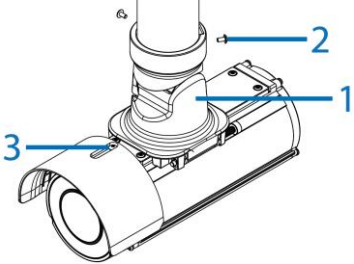

Figure 11

Connecting the power cable to the power plugs

1. Connect the power cable to the power plugs with one of the following options:
   - AC 24V: Connect 24V cables to terminals AC 24V.
   - PoE: Connect the RJ45 jack to a PoE compatible network device that supplies power through the Ethernet cable.

Adjusting the camera position

1. Use the T10 security Torx wrench to adjust the bracket Tilt angle (2) (Figure 6) and to adjust the bracket Pan angle (3) (Figure 6).

Adjusting the sun shield hood

1. Move the sun shield hood (4) (Figure 6) forward and backward to adjust the position of the sunshade.
   Note: When the camera is mounted inverted to a pendant 1 ½ '' NTP pipe you must remove the sun shield hood by unscrewing the M3x0.5P (L = 8mm) screw with the T10 security Torx wrench (3) (Figure 11) and relocate the sun shield with screw as per the sun shield hood located in Figure 11.
   CAUTION: Extending the sun shield hood forward could obstruct the field of view (FOV) when the camera lens is set to 'Wide'.

Location of camera buttons, connections, and Desiccant bag

Note: The figure below indicates the location of the camera buttons and connections (1) (Figure 12) and Desiccant bag (2) (Figure 12) on the camera.
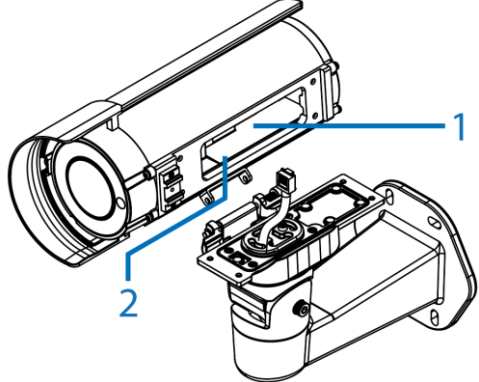

Figure 12

Table 1: Camera buttons / connections

Button / connections	Description
	Alarm in 1
	Alarm in 2
	Alarm out
	COM
	Audio line in
	Audio line out
	Ground
HDMI	HDMI Cable connection
	Micro SD card slot

Table 1: Camera buttons / connections (continued)

Button / connections	Description
AC 24 V	AC power connection
⟜⟜ (USB)	USB cable connection (**Note:** Insert the Micro USB On-The-Go (OTG) Adapter Cable with USB Wireless Network Adapter. See note and QR codes on this page for information).
(Reboot icon)	Reboot button (Press and release to reboot the camera)
(Reset icon)	**Reset to Factory default but preserve IP Address** (Hold for 5 seconds) **Reset to factory default** (Hold for 20 seconds)
(AF icon)	One push AF

Warnings

1. Installation and servicing shall be performed by qualified service personal only.
2. The mains power adaptor equipment should be marked LPS (Limited Current Source) or PS2 and rated according to 60C, 24VAC, 1.27A min or PoE IEEE802.3at type 2 Class 4, 48VDC, 0.53A min.
3. To meet security immunity requirements, use an uninterruptable PSU to supply power to the mains adaptor or POE mid/end span.
4. The mounting high above ground level shall be more than 3 meters from wall mount height.
5. If a Class I PoE adapter or switch is used to provided power, be sure that the power cord is firmly plugged into the socket and confirm the main earth connection.
6. Interconnecting cables for PoE is intended to be supplied by a UL Listed type CL3P, CL3R or CL3X, marked "SUNLIGHT RESISTANT", "SUN. RES." or "SR." and "water resistant" or "W"

Mounting, that includes climbing ladders, installing communications, power, etc. can be hazardous. Only skilled person(s) should install this device This camera can be mounted at a distance greater than 2 meters (6.6 feet) from the floor, there is a risk of Injury if the camera falls, ensure the camera is securely mounted.

Note: See IA-KIT-WD-UUA | Illustra (illustracameras.com) for more information on the USB cable mentioned in Table 1. **IA-KIT-WD-UUA** together with the **Illustra Tools** application lets users install, configure, and maintain cameras. Scan one of the QR codes below to access the application.

iOS   Android