Illustra

Quick Start Guide

(A16381M8JD_B)

Illustra Standard Gen 3 - 2MP and 5MP Dome cameras
(P/N's ISIN-V02M031-N and ISIN-V05M031-N)

Note: Please visit illustracameras.com for access to firmware updates that include new features, cyber-security enhancements and bug fixes.

In the box

- 1 x Standard Gen 3 Dome Camera
- 1 x Quick Start Guide
- 1 x Secure Torx drive bit - T10 Size
- 3 x ST4x30mm Phillips screws
- 3 x Fischer 4x30mm Nylon Wall Plug
- 1 x Drill template sticker
- 1 x Adapter Plate
- 4 x M4x8mm Phillips pan head screws
- 3 x M4x15mm Phillips pan head screw
- 1 x Terminal Block Connector for DC Supply (2 Pin) with Label
- 1 x Terminal Block Connector for Audio-alarm Connector (8 Pin) with Label
- 1 x BNC Cable for CVBS Video Output with grommet

Installation tools

- 1 x Phillips's screwdriver
- 1 x Drill
- 1 x L-Type Allen key

Johnson Controls

Figure 1: Standard Gen 3 Dome camera parts when attaching to a pendant cap

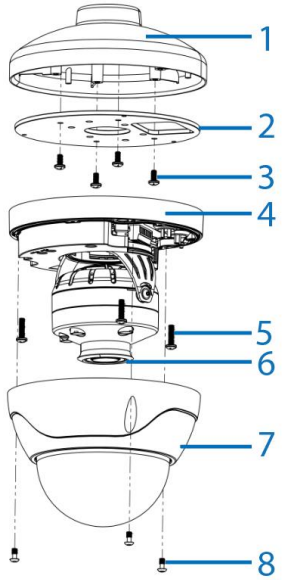

Figure 1

Table 1: Standard Gen 3 Dome camera parts descriptions

Number	Description
1	Pendant cap
2	Adaptor plate
3	M4x8mm screws to attach the adaptor plate to the pendant cap
4	Camera base
5	M4x15mm screws to attach the camera base to the adaptor plate
6	Camera lens
7	Camera top cover
8	Camera top cover M4x8mm security Torx screws

Quick reference

- Default IP: 192.168.1.168 (DHCP enabled)
- Default Username / Password: admin / admin
- Power: PoE IEEE 802.3af Class 3 or 12V DC / 50-60Hz / 1A

Figure 2: 12VDC and Audio / Alarm Terminal blocks

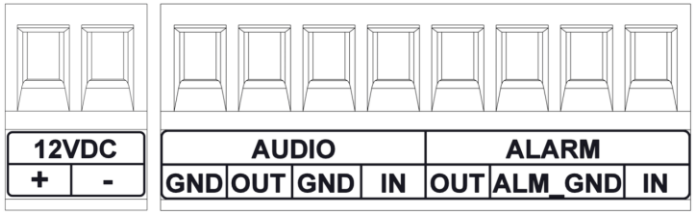

Figure 2

Mounting the camera onto a pendant cap and powering it up

1. Hold the adaptor plate (2) (Figure 1) up to the pendant cap (1) (Figure 1) and align the four holes on the adaptor plate with the four holes on the pendant cap.

Mounting the camera onto a pendant cap and powering it up (continued)

2. Insert the four M4x8mm screws (3) (Figure 1) into the four holes and securely attach the adaptor plate to the pendant cap.
3. Route all cables through the pendant cap and the large cable hole on the adaptor plate.
4. Unscrew the three M4x8mm Torx screws on the camera top cover (7) (Figure 1) and remove the top cover from the camera base (4) (Figure 1).
5. Remove the M3x6mm 'grounding' screw (1) (Figure 4) and then place the 'grounding' cable connection onto part 2 in Figure 4.
6. Insert the 'grounding' screw through the hole on the 'grounding' cable connection and securely attach it to the camera base.
7. Remove the two-wire waterproof rubber grommet (Figure 3) from the camera base.
8. Remove the Ethernet cable pin (1) (Figure 3) **or** 12V DC power cable pin (2) (Figure 3) from the grommet and then insert the cable through the hole on the grommet.
9. Correctly insert the grommet back into the hole on the camera base and insert the Ethernet cable into the ethernet port on the camera base **or** insert the 12V DC cable into the terminal block on the camera base.

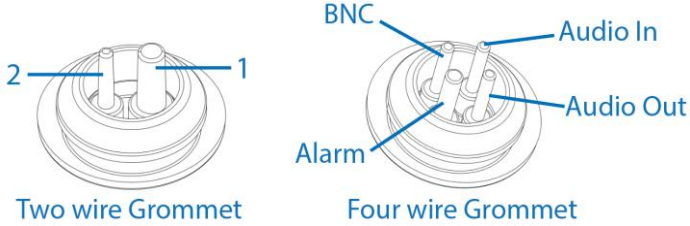

Figure 3

10. **Optional:** Remove the four-wire waterproof rubber grommet (Figure 3) and insert the Audio and Alarm cables through the holes on the grommet, and then correctly insert the grommet back into the hole on the camera base.

Mounting the camera onto a pendant cap and powering it up (continued)

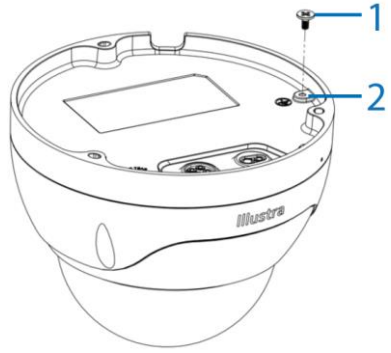

Figure 4

Note: The BNC cable comes pre-inserted into the grommet.

11. **Optional:** Insert the Audio, BNC and Alarm cables into the Audio / Alarm terminal block on the camera base.
12. Hold the camera base up to the adaptor plate and align the three M4x15mm screws (5) (Figure 1) on the camera base (4) (Figure 1) with the three holes on the adaptor plate (2) (Figure 1) and then securely attach the camera base to the adaptor plate.
13. Hold the camera top cover (7) (Figure 1) up to the camera base (4) (Figure 1) and align the three M4x8mm Torx screws on the camera top cover with the three holes on the camera base and securely attach the camera top cover to the camera base.

Figure 5: Standard Gen 3 Dome camera parts when attaching to a surface

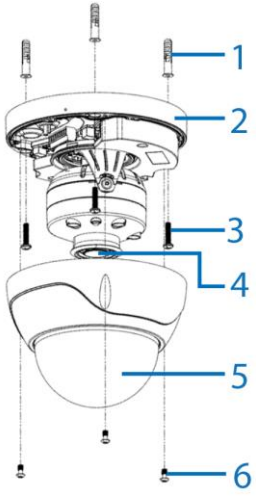

Figure 5

Table 2: Standard Gen 3 Dome camera parts descriptions

Number	Description
1	4x30mm nylon wall plugs
2	Camera base
3	ST4x30mm screws to attach the camera base to the surface
4	Camera lens
5	Camera top cover
6	Camera top cover M4x8mm Torx screws

Mounting the camera onto a surface and powering it up

1. Place the drill template sticker on to the surface and mark out three holes. These holes are identified with a '1' on the template sticker.
2. Drill three 5.5mm holes on the surface and then insert the three 4x30mm wall plugs (1) (Figure 5) into the three holes.
3. You can route all camera cables through cable holes on the surface, or you can route all cables through the cable side entry hole on the camera base.
   a) If you are routing the cables through the surface, then cut out two cable holes on the surface. These holes are identified with an 'A' and 'B' on the template sticker.
4. Unscrew the three M4x8mm Torx screws (6) (Figure 5) on the camera top cover (5) (Figure 5) and remove the top cover from the camera base (2) (Figure 5).
5. Hold the camera base up to the surface and route the cables through the cable side entry hole on the camera base if you are not routing the cables through the cable holes on the surface.
6. Remove the M3x6mm 'grounding' screw (1) (Figure 4) and then place the 'grounding' cable connection onto part 2 in Figure 4.
7. Insert the 'grounding' screw through the hole on the 'grounding' cable connection and securely attach it to the camera base.
8. Remove the two-wire waterproof rubber grommet (Figure 3) from the camera base.
9. Remove the Ethernet cable pin (1) (Figure 3) **or** 12V DC power cable pin (2) (Figure 3) from the grommet and then insert the cable through the hole on the grommet.

Mounting the camera onto a surface and powering it up (continued)

10. Correctly insert the grommet back into the hole on the camera base and insert the Ethernet cable into the ethernet port on the camera base **or** insert the 12V DC cable into the terminal block on the camera base.
11. **Optional:** Remove the four-wire waterproof rubber grommet (Figure 3) and insert the Audio and Alarm cables through the holes on the grommet, and then correctly insert the grommet back into the hole on the camera base.
    Note: The BNC cable comes pre-inserted into the grommet.
12. **Optional:** Insert the Audio, BNC and Alarm cables into the Audio / Alarm terminal block on the camera base.
13. Hold the camera base up to the surface and align the three ST4x30mm screws (3) (Figure 4) on the camera base (2) (Figure 4) with the three holes on the surface and then securely attach the camera base to the surface.
14. Hold the camera top cover (5) (Figure 4) up to the camera base (2) (Figure 4) and align the three M4x8mm Torx screws on the camera top cover with the three holes on the camera base and securely attach the camera top cover to the camera base.

Inserting or removing an SD card

1. Unscrew the three screws on the camera top cover (3) (Figure 6) and remove the top cover from the camera base (2) (Figure 6).
2. Insert or remove the SD card (1) (Figure 6) from the SD card slot.

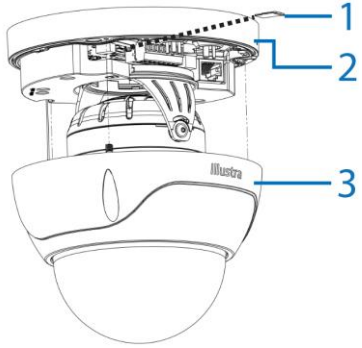

Figure 6

Accessing the cameras internal buttons and connections

1. Unscrew the three screws on the camera top cover (3) (Figure 6) and remove the top cover from the camera base (2) (Figure 6) to access the internal buttons and connections.
   Note: See Table 3 for descriptions for each part identified in Figure 7.

Accessing the cameras internal buttons and connections (continued)

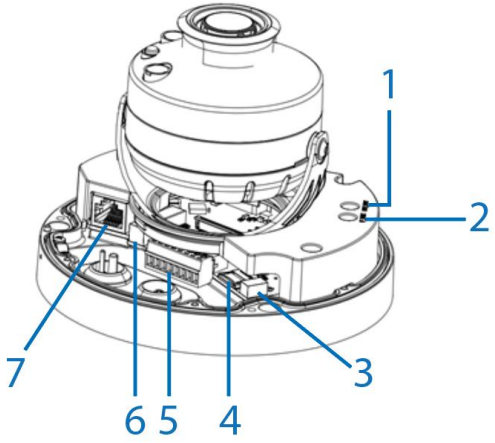

Figure 7

Table 3: Camera internal buttons and connection descriptions

Number	Description
1	Reboots the unit
2	Reset to factory default but preserve IP Address (Hold for 5 seconds) Reset to factory default (Hold for 20 seconds).
3	BNC Connector for CVBS Video Output
4	SD card connector
5	8 Pin terminal block for alarm and audio signal
6	2 Pin terminal block for 12VDC Power Input
7	Ethernet Connector

Adjusting the camera position

1. Unscrew the three screws on the camera top cover (3) (Figure 6) and remove the top cover from the camera base (2) (Figure 6).
   - **To rotate the camera lens:** rotate the 3-axis gimbal (1) (Figure 8) between 0° and 355°.
   - **To tilt the camera lens:** tilt the 3-axis gimbal (2) (Figure 8) between 0° and 75°.
   - **To pan the camera lens:** rotate the 3-axis gimbal (1) (Figure 8) between 0° and 355°.

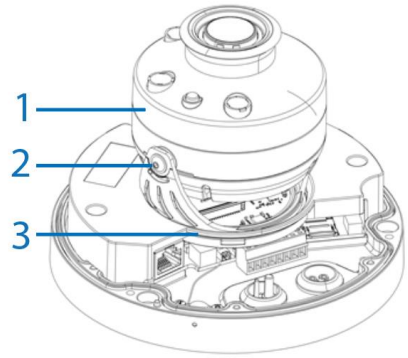

Figure 8

Warnings

1. Installation and service should be performed only by qualified and experienced technicians and comply with all local codes and rules to maintain your warranty.
2. These units operate at 12V DC / PoE IEEE 802.3af Class 3.
3. To avoid electrical surge failures due to environmental conditions, etc. the camera should be earth grounded.
4. Wipe the camera with a dry, soft microfiber cloth. For tough stains, slightly apply with diluted neutral detergent and wipe with a microfiber cloth.
5. Do not apply benzene or thinner to the camera, which may cause the surface of the unit to be melted or lens to be fogged.
6. Avoid operating or storing the unit in the following locations:
   - Near fluorescent lamps or objects with reflections.
   - Under unstable or flickering light sources.