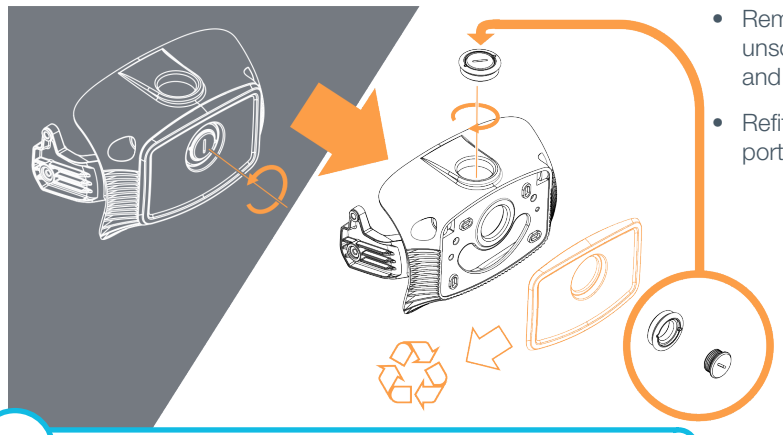
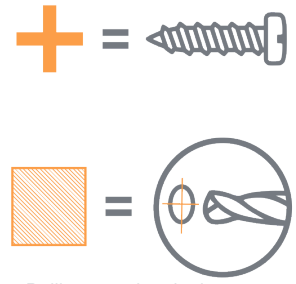
Option A. Surface Mounting

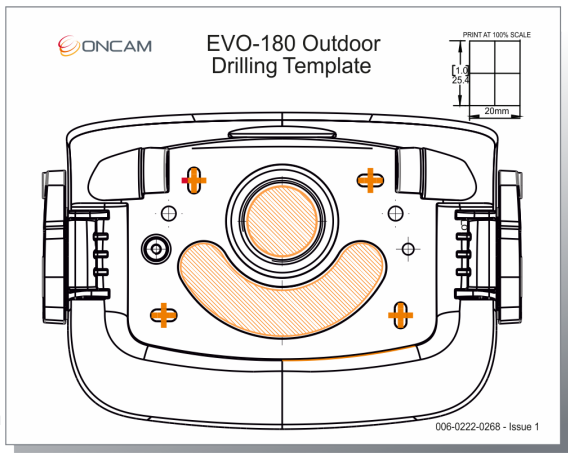


- Remove the back cover by unscrewing the M20 plug and M32 to M20 adapter.
- Refit them into the unused port on the top.

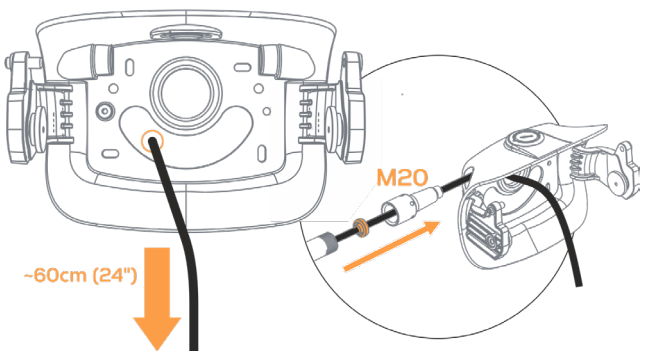
1.1 Prepare the bracket for surface mounting



- Drill mounting holes.
- Drill hole for cable entry within the shaded areas.



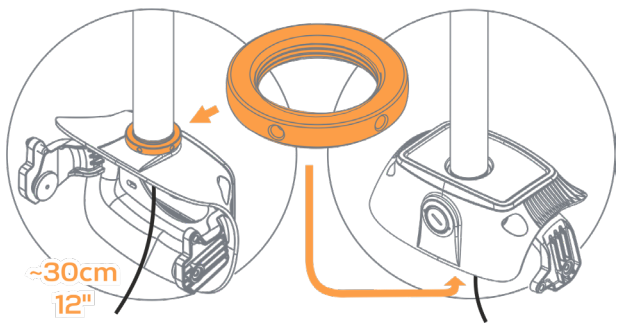
1.2 Drill holes



- Route an unterminated network cable through the bracket. Leave a minimum of 60cm of cable protruding.
- M12 Conduit ports are available for side cable entry via the M12 to M20 adapter (J).

1.3 Route a cable through bracket

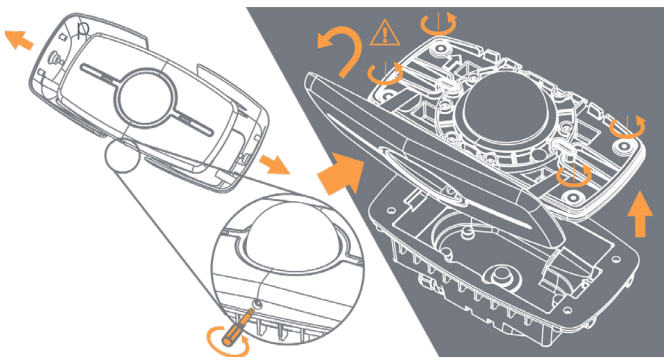
Option B. Pendant Mounting



- Route an unterminated network cable through the pendant mount hole.
- Screw the mount assembly onto the pendant and lock with the locking nut (K).
- Leave a minimum of 30cm of ethernet cable protruding.

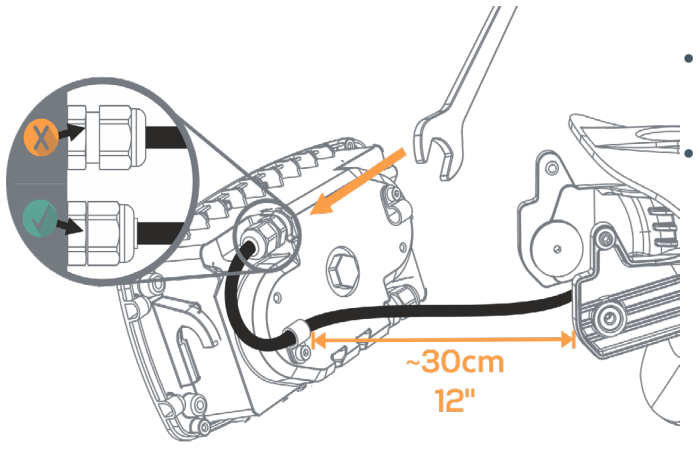
1.1 Mount bracket on pendant

Completing the Installation



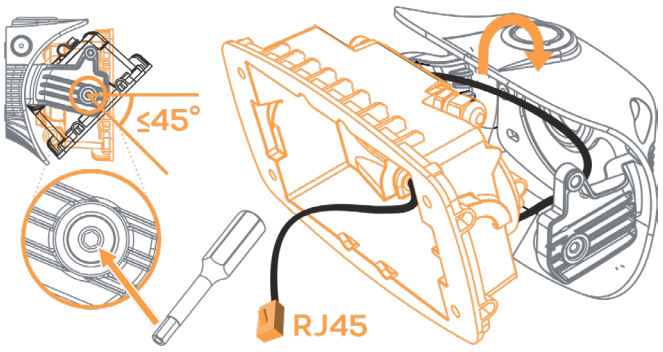
- Remove the sun shields.
- Undo the locking screw (turning it anti-clockwise).
- Remove the front cover but leave the protective film on the dome.
- Unscrew the 4 security screws.

2.1 Remove the rear enclosure



- Pass the network cable through the P-clip and cable gland.
- Pull 30cm of cable through and then tighten the nut fully as shown.

2.2 Route cable into rear enclosure



- Loosen the pivot screws from the outside.
- Hook the rear enclosure on the mounting bracket.
- Pull the rear enclosure down fully.
- Terminate the cable with a RJ45.
- Aim the rear enclosure at the required angle for the camera
- If camera is tilted, remove infil (P).
- Tighten the pivot screws and then the locking grub screws.

2.3 Hook in rear enclosure and set mount angle

- Insert the SD card into the camera module (optional).
- Plug the RJ45 into the camera module.
- Tighten up 4 security screws that fix the camera module to the rear enclosure.
- Take off the protective plastic film off the dome.
- With care, replace the front cover and tighten up the locking screw.
- Replace the sun shields.
- Both camera LEDs should be green when the camera is booted with an ethernet connection.

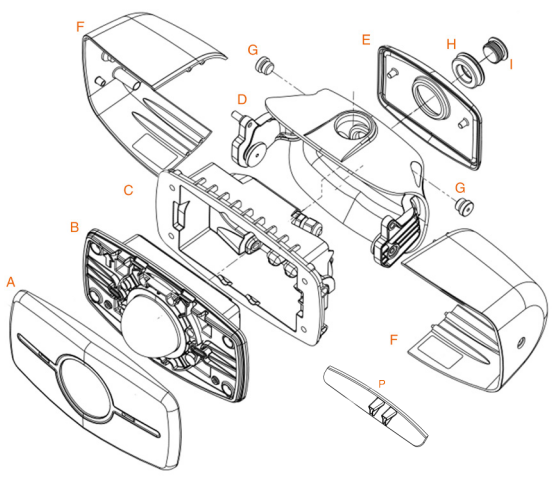
Note:

For 12V power supply installation, please refer to the User manual for more information.

2.4 Connect and fix camera module in enclosure

Package Contents

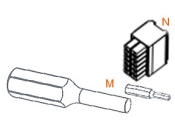
Camera components



J. M12 to M20 adapter

K. M32 Conduit Locking nut

Accessories



Supplied Parts

- A. Front Cover
- B. EVO-180 Camera module
- C. Rear Enclosure
- D. Mounting Bracket
- E. Back cover
- F. Sun-shields x 2
- G. Side Conduit plug x 2 (fitted)
- H. M32 - M20 Adapter (fitted)
- I. M20 Conduit Port plug (fitted)
- J. M12 - M20 Adapter
- K. M32 Conduit Locking Nut
- L. Drilling template
- M. Screwdriver and security bit
- N. 12 pin I/O 12V Connector
- O. Quick Start Guide
- P. Infil black cover (fitted)

The Evolution 180 Outdoor camera is designed for installation on flat surfaces or pendants. The camera is supplied with a mount bracket that is used to fix the camera to a surface or a pendant.

Note:

You will need 4 appropriate fixing screws for surface mounting.

Evolution 180 **Outdoor** Camera
QUICK START GUIDE

EVO-180-WED

C2305M | Outdoor QSG | 04/2018

Specification

Power Input	Power over Ethernet (PoE), IEEE standard 802.3af or 12 VDC, 1.0 A (min) LPS, NEC Class 2 power supply
IP Rating	IP66, IP67, IP68 (2m 30min), IP69K, IK10+
Operating Temperature (°C / °F)	-40°C to 55°C (-40 °F to +131°F)
Enclosure	Aluminium and Polymer
Weight	2.6 kg (5.73 lbs)

Important

Read these instructions carefully before installing or operating this camera.

This camera should be installed by a qualified service person and the installation should conform to local and national regulations.

This camera is not suitable for installation in a ceiling void that is used as an air handling space.

Certified as FCC Class A. In a domestic environment this camera may cause radio interference in which case the user should take adequate measures.

DANGER: RISK OF EXPLOSION IF REPLACING A BATTERY WITH AN INCORRECT BATTERY TYPE.

Startup

Powering the Camera

Supply power to the camera with PoE IEEE802.3af through the integrated RJ45 Ethernet port or using the 12V DC input pins on the I/O connector. (Do not use both power sources at the same time). Both camera LEDs will be green when the camera is booted with an ethernet connection.

IP Settings

In order to use the camera you will need its IP address.

There are two IP modes:

- DHCP
- Static IP (Default static IP is: **192.168.0.200)**

Should a DHCP server not be available, the camera adopts the default static IP address above.

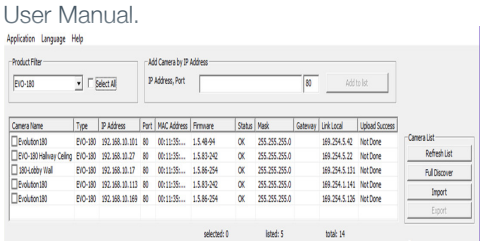
There are 2 methods for accessing the camera stream, either through the Configuration Tool or via a Browser if the camera's IP address is known.

Note: See the camera's User Manual and Camera Configuration Tool User Manual for IP Setting adjustments.

Using the Camera Configuration Tool

The Camera Configuration tool quickly finds the IP and MAC addresses of all Oncam cameras connected to the network. It also allows you to change network settings, configure multiple cameras and perform software updates.

Go to the Oncam website (https://www.oncamgrandeye.com/security-systems/camera-configuration-tool) to download the latest version of the Camera Configuration tool and its User Manual.

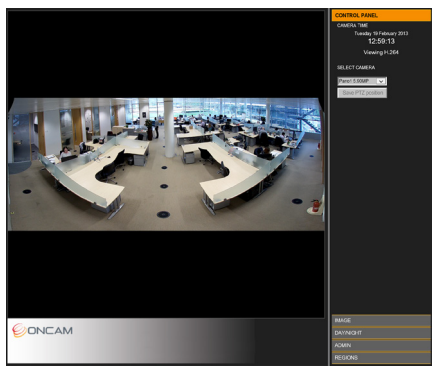


Start the application, and the software will scan the network and provide a list of all connected Oncam cameras, as shown.

Go to the Pelco website (www.pelco.com/vxtoolbox) to download the latest VX Toolbox used to discover and configure Pelco cameras (in absence of a VMS).

VxToolbox

Using a Browser to access cameras



Note:

Internet Explorer 11 is required to view live camera images in the browser. All other browsers can be used for Configuration Purposes only.

Viewing Video in Internet Explorer 11

1. Download and install VLC (https://www.videolan.org/vlc).

Accessing the camera using any browser

1. Enter the camera's IP address into the browser's address bar.
2. Enter the camera's User Name and Password.

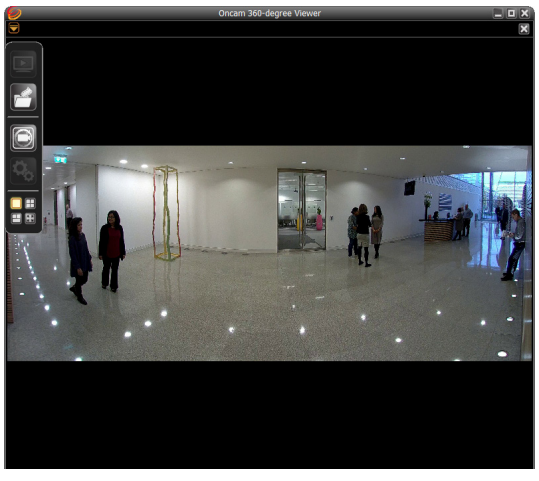
Default Password

User Name: **admin** Password: **admin**

Using the 360 Degree Viewer

Go to the Oncam website to download the latest version of the Oncam 360-degree Viewer (https://www.oncamgrandeye.com/security-systems/360-camera-viewer/).

Install the 360-degree Viewer and start it. Select the top left hand icon in menu bar to view the list of cameras. Select a camera in the list and click 'View Camera' to access the camera stream.



Adjusting the angle

The camera's web GUI has sophisticated adjustments in the IMAGE tab, for different mounting angles and scenes.

If the camera itself is tilted, set the wall mount angle corresponding to the tilt (e.g. -25°, -45°) to make vertical lines in the scene parallel.

Scene offset angle allows the panoramic view to be tilted up or down to precisely capture the desired scene.

Technical Support

For the A&E, Specification, Installation and User Manual, Software and Firmware visit:

www.pelco.com

Tel: +1 559-292-1981 (International)

Email: techsupport@pelco.com

MAC Address

Make a note of the camera's MAC address and installation location. Find the MAC address printed on the camera label. This information may be needed during the camera configuration.

Next Steps

For demo and installation videos visit:

www.oncamgrandeye.com/security-systems/180_degree_cameras