

The following guidance notes are intended to support the installation of the Dyna-mo Vision Systems and are for intended for guidance only (see legal disclaimer). The guidance steps included installation accessories that are not included with the Dyna-mo Vision system and must be purchased separately.

The Dyna-mo Vision System includes.

- IP66 System Enclosure
- 5m Cat6 Ethernet Cables
- HD Cameras (not included with base system)

Additional installation accessories available include

- System Enclosure Mounting Bracket
- Camera Installation Arm
- 76mm Pole Mount Kit
- Wi-Fi Camera Kit
- Camera Pole Mount Kit
- Camera & Wi-Fi Pole Mount Kit



Installation:

The Dyna-mo Vision enclosure can be wall or pole mounted, or free standing. For wall and pole mounting the following installation accessories are recommended.

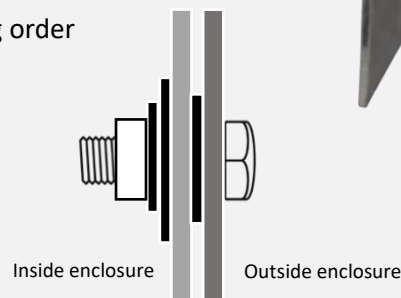
- Enclosure Mounting Kit
- 76mm Pole Mount Kit
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For wall installation, remove the four rubber plugs in the back of the system enclosure. Attach the mounting plates to the enclosure using the supplied bolts, seal rings, washers, spring washers and nuts. The bolt should feed from outside to in, with the washer, spring washer and nut on the inside of the enclosure. The seal ring should be placed between the enclosure and the mounting plate to ensure the enclosure remains sealed.



The above fitting elements should be installed in the following order

- M8 Bolt
- **Mounting plate**
- Seal Ring
- **System enclosure**
- M8 Washer
- M8 Spring Washer
- M8 Nut



For pole installation, complete the steps above to attach the enclosure mounting kit. Install one of the 76mm pole brackets to the installation pole at the height desired for the top mounting bracket of the enclosure, using two of the bolts supplied.

Slot the enclosure on to the pole mount bracket and use the supplied bolts, washers and spring washers to secure the enclosure to the pole clamp bracket. Now repeat the same steps for the lower mounting bracket.

Dyna-mo Vision System Setup

DO NOT TURN ON THE SYSTEM UNTIL ALL ANTENNAS ARE ATTACHED.

Ensure that all four of the system antennas are screwed on to the antenna mounts on the top of the enclosure in the correct order. There are markers on the enclosure and on each antenna so these can be easily matched up.

Feed the two camera ethernet cables through the cable glands on the side of the enclosure. These can be disconnected and reconnected from the PoE switch inside the system enclosure if required. Ensure the rubber seal is fed over the ethernet connected of the cable end outside the enclosure and push the rubber seal into the cable gland before screwing on the cap.

Local Network Connection

If you are intending to use a local network connection in place of the integrated gateway, disconnect the ethernet cable from the PoE Switch marked **Gateway**. Feed the local network ethernet cable through the gland on the outside of the cabinet that the power plug feeds through.

It may be necessary to remove the plug on the end of the power cable and pull the power cable through to the inside the enclosure in order to feed the network cable into the system enclosure. The power cable can then be fed back through the gland and the plug re-attached.

Connect the local network ethernet cable to the system PoE switch location marked **Gateway**.



Camera Installation

Wall Mount Installation

Fittings are supplied with the camera for wall installation. If you feel these fittings are not adequate, alternative fittings can be used.

Camera Arm Installation

There are two camera arms available.

- 1m pole mount camera arm
- 1m offset pole mount camera arm

The installation steps are the same for both camera arms.

Screw three of the supplied bolts through the mounting holes in the camera base. This may require screwing them through with a power screwdriver as they are a tight fit.



Feed the bolts through the camera arm and attach using the supplied washers and self-securing bolts. This may require screwing them through with a power screwdriver as they are a tight fit.

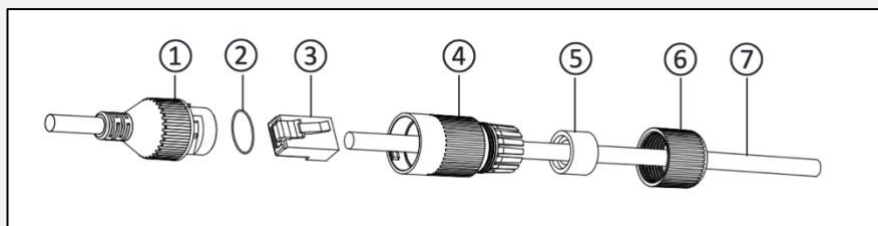
Feed the camera cable through the hole to the side of the camera mount fixings.

Camera
 Cable
 Hole

When the cameras are connected directly to the Dyn-mo Vision system PoE switch, the spare 5v power connector on the camera can be slotted into the tracks on the back of the camera arm.

Camera Connection

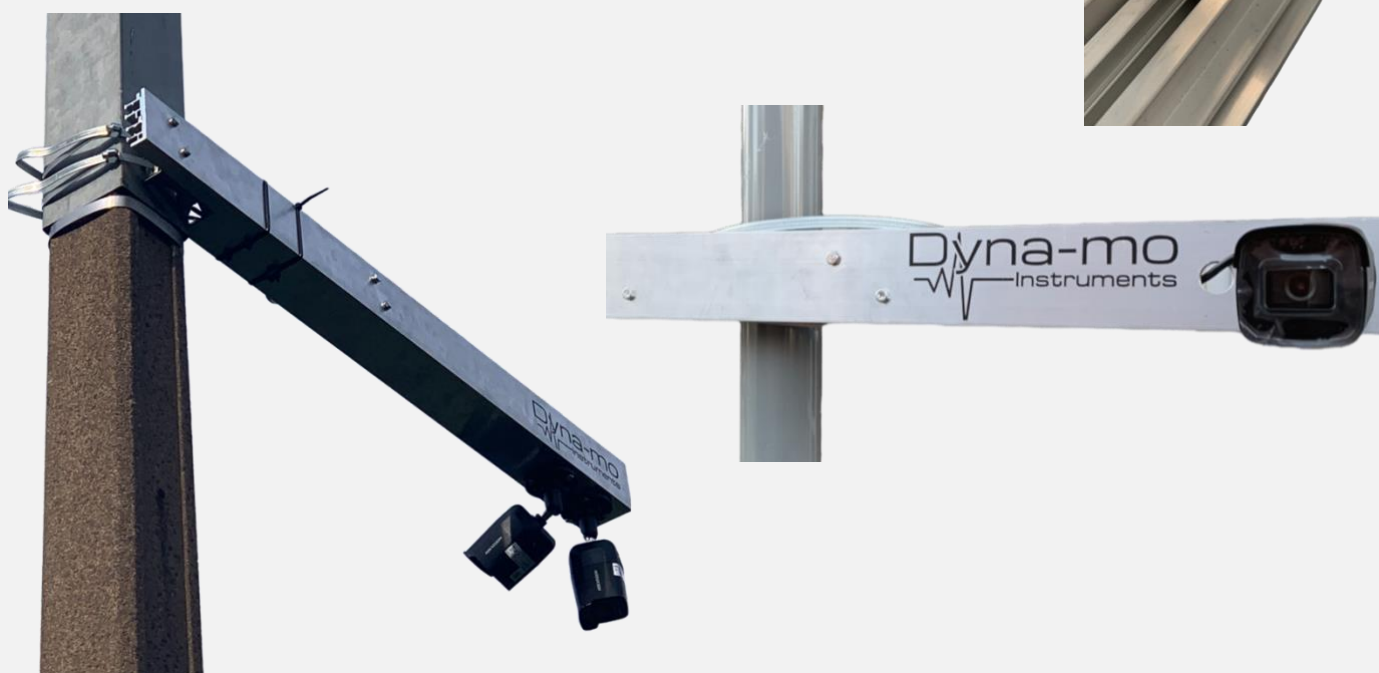
The cameras are powered and networked via a single ethernet cable. Connect the camera ethernet cables to the cameras and seal the connection using the fittings supplied with camera.



Pole Fixings

Slot the two pole fixings on the tracks on the back of the camera arm.
The tensions cables can then be fed around the installation pole, through the tension screw and tightened using the tensioning screw until tightly held in place.

Any spare tension cable can be cut off using metal snips.



Cameras can be mounting in either direction to the camera arm.

***Legal Disclaimer**

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Installation Guidance Notes are provided as guidance only.

Dyna-mo Instruments cannot accept any liability (direct or indirect) for the installation of all items supplied by Dyna-mo instruments or from any loss or injury incurred directly or indirectly during their installation and operation. Page 2 of 3

Parts may have sharpe edges, it is recommended that suitable PPE be worn during the handling and installation of all components.

Installation should be completed by a competent, trained and qualified professional.