

## Bolin Starlight IP66 NEMA enclosure by Videstra

Your Bolin SDP Cameras each come with a specially created outdoor IP66 rated NEMA enclosure with pole mounts suitable for towers or non-penetrating roof mount poles to host the cameras umbilical cable. There are several connectors on this umbilical cable, however only the RJ45 connector will be used in a typical Videstra® managed Micro Local camera installation where video is accessed through IP.

### POE

The RJ45 connector on the umbilical also acts as the power connection for this camera through a POE (Power Over Ethernet) connection. The power is provided by the BL-PP97 High Power (97W) POE Injector.



The POE injector is a class 2 device and must remain indoors.

More information regarding this injector can be found directly on the Bolin web site at: <https://bolintechnology.com/high-power-97w-poe-injector/>

### Umbilical Details

There are several connections on the Bolin umbilical cable. Only the RJ45 connection will be used. However, the cable must always be protected within an IP66 environment. Videstra has provided an IP66 NEMA enclosure with two IP66 cable glands and pole mounting hardware to host the umbilical cable safely and securely.



Insertion of the Bolin umbilical should be done carefully. Note that most cables with bare ends are capped and should remain so.

To properly pass the umbilical through the cable gland always start with the large connectors first – the RJ45 being the largest one, you should start with it. Followed by the remaining larger connectors one at a time. The small wires will pass easily once all the larger connectors are inside the NEMA enclosure.

A network cable *without a protective cover* will fit easily through the second cable gland. If your cable has a protective cover you may either remove it or use a heat gun to loosen it and pass it through the gland separately.

Once the umbilical and ethernet cable are safely inside, you may close the cable gland. You may need to put some electrical tape on the portion of the cable that will be directly sealed by the gland if it will not close sufficiently.



The application of a small amount of silicone grease will further insure against moisture and water ingress.

A small, black, UV resistant wire-tie should be used to seal the NEMA enclosure after mounting.

#### Notes:

The NEMA enclosure is small, and no average wind-load has been calculated for it as it is assumed to be negligible.