

MXN22C-130-TVI Camera

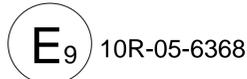


Features

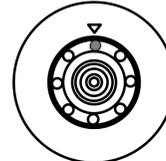
- 2.07 Mega pixels Full HD SONY CMOS Color camera
- 1/2.8" Color CMOS high resolution image sensor (STARVIS)
- HD-TVI 4.0, 1080P/30fps
- IP69K Waterproof Rating
- Built-in Infra Red LEDs
- IR LED ON/OFF function (via loop wire)
- Diagonal 130° viewing angle
- Normal/Mirror Image adjustable
- Built-in Microphone (for one-way audio)
- Multi purpose (Frontview, Sideview, Rearview, Surveillance, etc)
- Built-in Automatic Heater (below +10°C)
- Anti-corrosive 3-fold coating
- Temp. -40°C ~ +80°C
- Vibration resistant (10G)
- Waterproof screw type connector, 4-pin mini-DIN
- ECE R10.05 approved (EMC)

Optional versions of model **MXN22C-130-TVI**:

- MXN22C-160-TVI** 160°(D) x 133°(H) x 69.0°(V)
- MXN22C-078-TVI** 78°(D) x 70.0°(H) x 39.0°(V)
- MXN22C-040-TVI** 40°(D) x 37.0°(H) x 22.0°(V)
- MXN22C-020-TVI** 20°(D) x 19.0°(H) x 13.0°(V)



Contents



Camera x 1



Camera Bracket x 1



Screw kit x 1

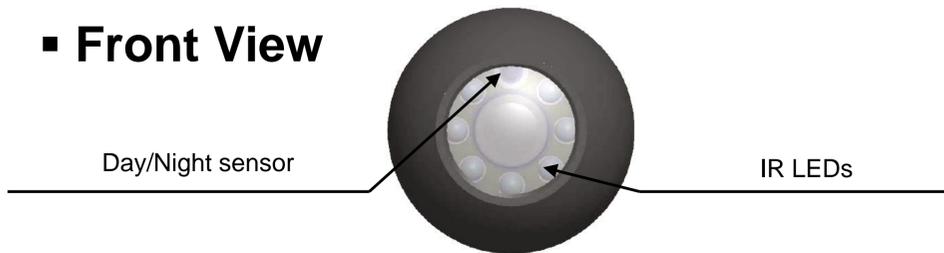


Manual x 1

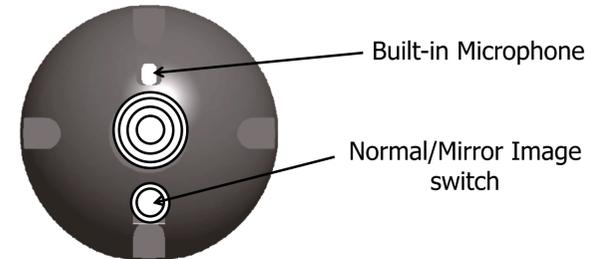
Technical Specifications

Image Sensor	: 1/2.8" SONY CMOS Sensor (STARVIS)
Effective Pixels	: 2.07 Mega pixels 1920(H) X 1080(V)
Resolution	: 1080 TV lines
S/N ratio	: Minimum 45dB (at AGC off)
Scanning System	: Progressive
Video Output	: HD-TVI 4.0, 1080P/30fps
Minimum illumination	: 0 Lux (IR LEDs on)
Power range	: DC 9 ~ 48V
Power consumption	: DC 12V, 265mA (heater on) DC 12V, 165mA (heater off)
Operating temperature	: -40°C to +80°C
Viewing angle	: 130°(Diagonal) x 120°(Horizontal) x 66°(Vertical)
Dimensions	: Ø52mm, 72(W) x 52(D) x 63(H) incl. bracket
Weight	: Approx. 215g
Supplied Accessories	: Camera Bracket (1) Stainless M6 x 25mm bolt + M6 nut (2 + 2) Stainless M3 x 12mm bolt + M3 nut (2 + 2) Stainless M4 x 16mm tapping screw (2) Rubber washer + stainless metal washer (2 + 2) Rubber O-Ring (2) Allen wrench 3mm (1)

Front View

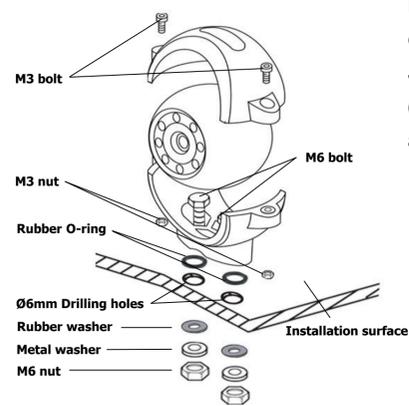


Rear View



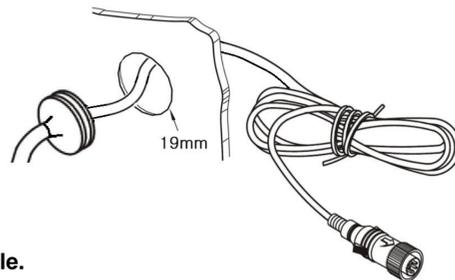
Installation

Camera Assembly



Cable grommet

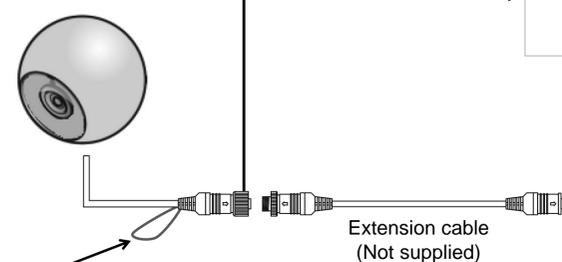
Drill a suitable hole (approx. Ø 19mm) and insert the cable grommet.
Just before final fixation, please apply a proper sealant (for prevention) between the hole and the grommet and also between the cable and the grommet.



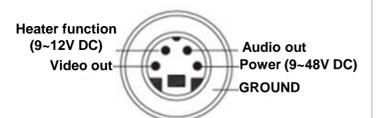
- Fix the supplied camera bracket to the vehicle.
- Fix the bracket with camera according to drawing.
- Adjust the viewing angle of the camera and fasten the screws firmly.

Wiring to Monitor

Run the cable from the camera to the monitor.



Camera pin configuration



MXN10Q-TVI Monitor
or
MXN10-TVI Monitor

IR LED ON/OFF function

IR LED function can be ON or OFF via the GREEN loop wire:

- * Green loop wire un-cut : IR LED function => ON / Standby
- * Green loop wire cut : IR LED function => permanent OFF

Securing cable connection

- Match the arrow marks and press the connectors together.
- Screw the camera connector up clockwise.



- Tighten cable connection firmly in order to prevent water ingress.

Note!

The warranty will not be valid if the problem is related to moist / corrosion in the connector.

Caution !!

- Before making the connection, disconnect the ground terminal from the battery to avoid short circuits.
- The plugs should be fully inserted into the connectors or jacks. A loose connection may cause malfunctioning of the unit.
- A damaged cable may affect the operation of the camera and may even cause a malfunction of the camera or monitor: Avoid a damaged cable!
- Protect the cable by using a guide tube, pipe or run the cable inside the vehicle as much as possible. Caution! Run the cable in natural shapes in order to prevent cable breaks.
- Preferably use an acid free grease in between the waterproof screw type connectors and tighten them firmly each other.