

◆ MXN44C-TVI Camera

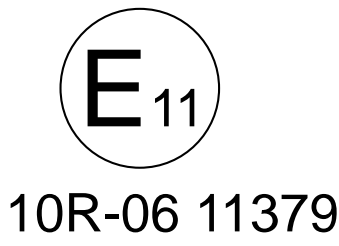


◆ Features

- Compact Mini Ball HD-TVI Color Camera
- 2.07 Mega pixels Full HD SONY CMOS Color camera
- 1/2.8" Color CMOS high resolution image sensor (STARVIS)
- HD-TVI 1080p 30fps
- IP69K Waterproof Rating
- Diagonal 154°, 140° or 66° Viewing angle
- Normal/Mirror Image adjustable (via loop wire)
- Ultra low light performance
- Automatic Electronic Iris
- Built-in Microphone (for one-way Audio)
- Multi purpose (Frontview, Sideview, Rearview, Surveillance, etc)
- Temperature Range -40°C to +80°C
- Vibration resistant (10G)
- Waterproof screw type connector, 4-pin mini-DIN
- ECE R10.05 approved (EMC)

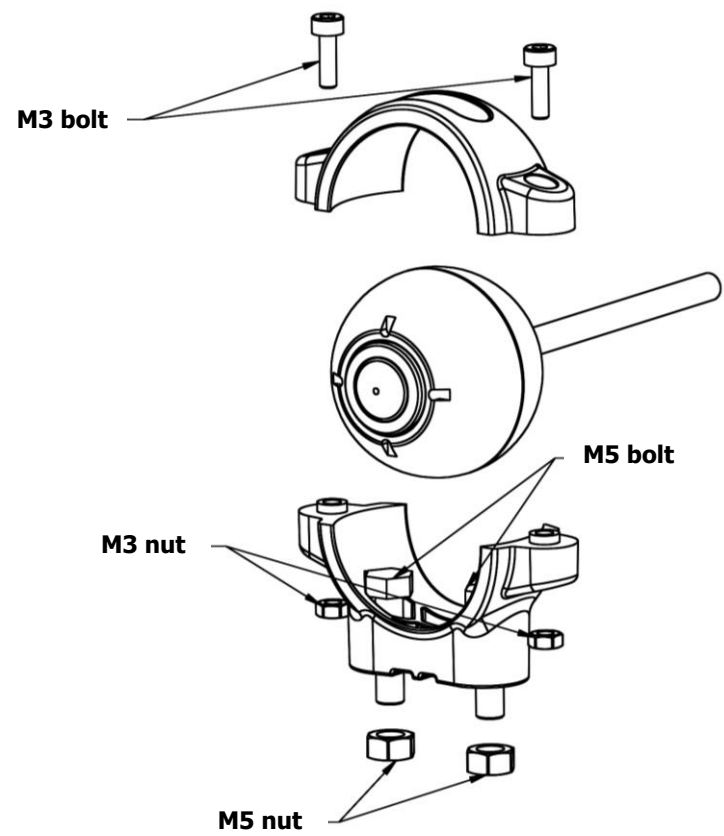
Available versions of model MXN44C-TVI:

- | | |
|----------------|----------------------------|
| MXN44C-078-TVI | 66°(D) x 58°(H) x 32°(V) |
| MXN44C-140-TVI | 140°(D) x 124°(H) x 67°(V) |
| MXN44C-160-TVI | 154°(D) x 133°(H) x 93°(V) |



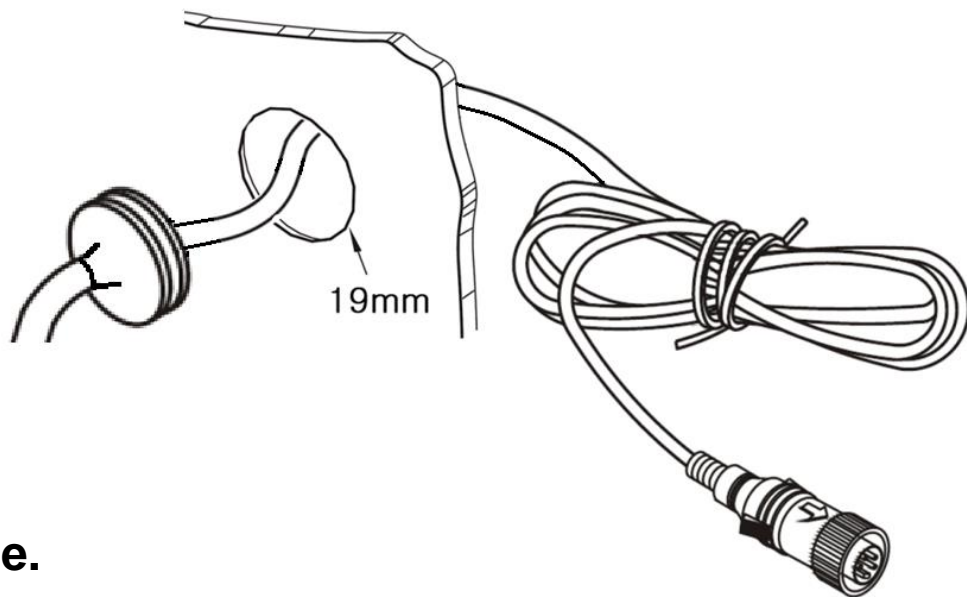
◆ Installation

■ Camera Assembly

The diagram shows the camera assembly process. It includes an M3 bolt, an M5 bolt, an M3 nut, and an M5 nut. The camera is shown being attached to a bracket, which is then secured to a vehicle with the M3 bolt and nut. The M5 bolt and nut are used to secure the camera to the bracket.

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

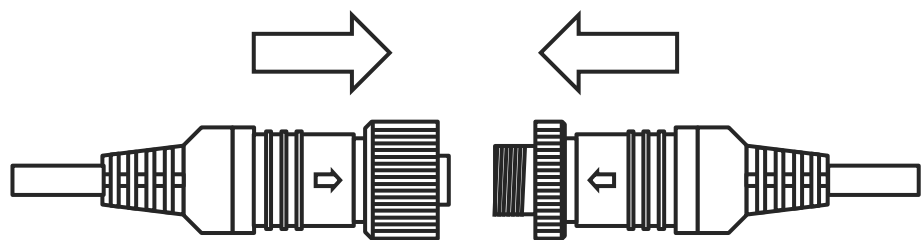
■ Cable grommet

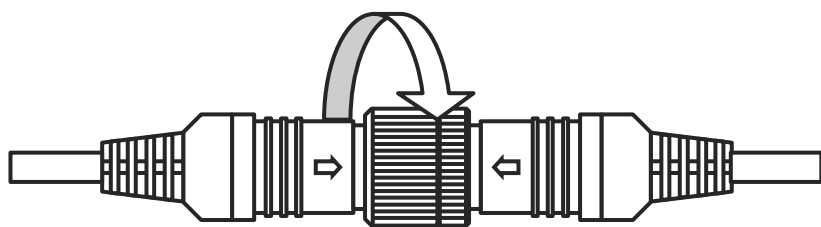
The diagram shows a cable grommet being inserted into a hole in a vehicle body. The grommet is a circular device with a flange on one side and a hole on the other. The cable is inserted into the hole, and the grommet is pushed into the hole until it is flush with the surface. The hole is labeled '19mm'.

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.

■ Securing cable connection

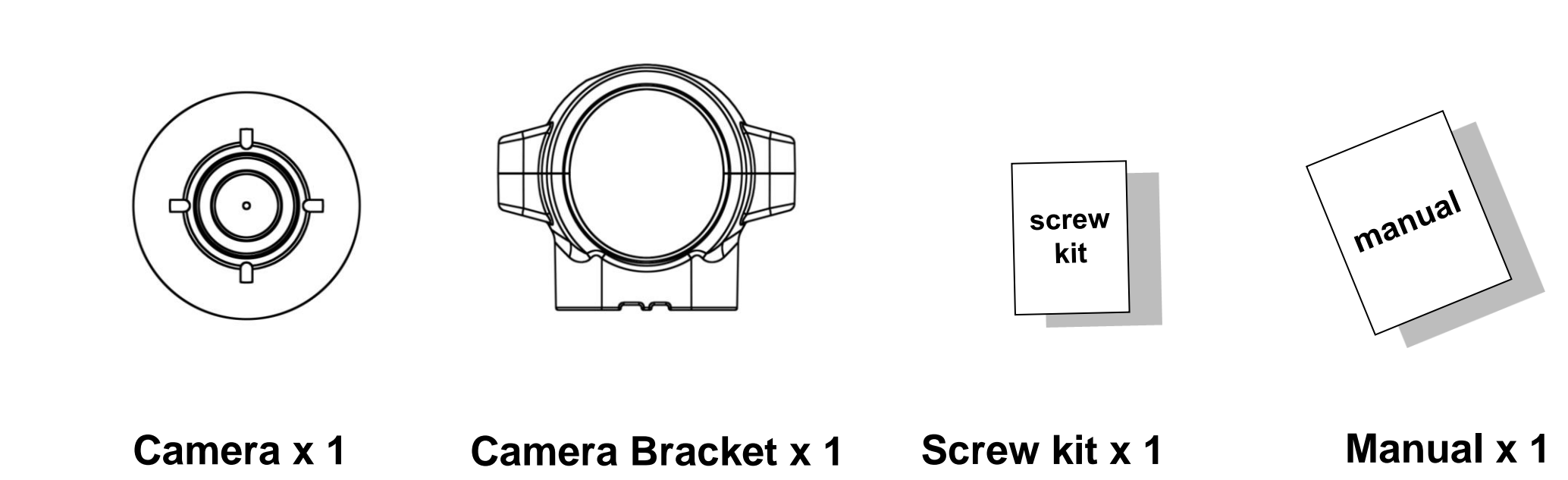
The diagram shows two connectors being pushed together. Arrows indicate the direction of the push.

The diagram shows the connectors being tightened. An arrow indicates the direction of the turn.

1. Match the arrow marks and press the connectors together.
2. Screw the camera connector up clockwise.
3. Tighten cable connection firmly in order to prevent water ingress.

Note!
Warranty will not be valid if the problem is related to moist / corrosion in the connector.

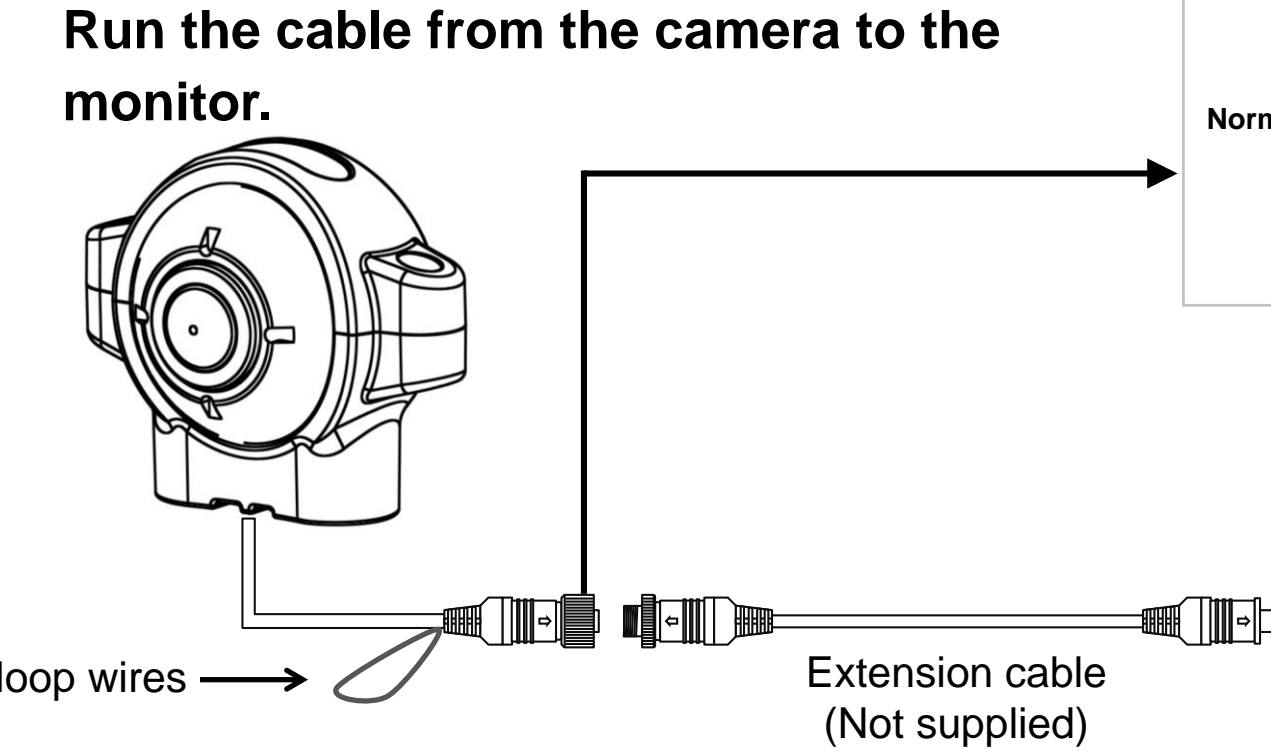
◆ Contents

The image shows the contents of the kit: one camera, one camera bracket, one screw kit, and one manual. Each item is shown with a corresponding label: 'Camera x 1', 'Camera Bracket x 1', 'Screw kit x 1', and 'Manual x 1'.

◆ Technical Specifications

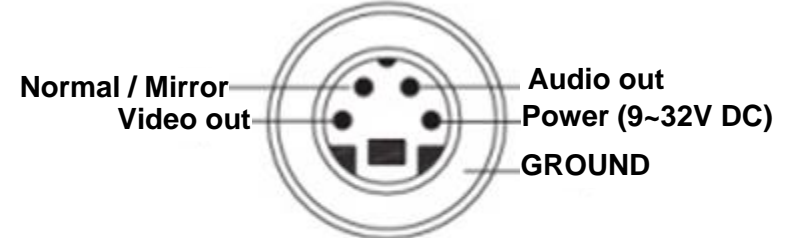
Image Sensor	: 1/2.8" SONY CMOS Sensor (STARVIS)
Effective Pixels	: 2.07 Mega pixels 1920(H) X 1080(V)
Resolution	: 1080 TV lines
Scanning System	: Progressive
Video Output	: HD-TVI 4.0, 1080P/30fps
Audio Input	: High Sensitive C-Microphone
S/N ratio	: Minimum 48dB (at AGC off)
Minimum illumination	: 0.5 Lux (50IRE)
Power consumption	: DC 12V, 100mA
Power range	: DC 9 ~ 48V
Operating temperature	: -40°C to +80°C
Viewing angle	: 140°(Diagonal) x 124°(Horizontal) x 67°(Vertical)
Dimensions	: Ø38mm, 59(W) x 38(D) x 50(H) incl. bracket
Weight	: Approx. 107g (total weight incl. bracket : 120g)

■ Wiring to Monitor

The diagram shows the wiring from the camera to the monitor. The camera's loop wires are connected to the monitor's extension cable. The extension cable is then connected to the monitor. The monitor is labeled 'MXN10Q-TVI Monitor or MXN10-TVI Monitor'.

Run the cable from the camera to the monitor.

Camera pin configuration

The diagram shows the camera's pin configuration. It is a circular connector with four pins. The pins are labeled: 'Normal / Mirror Video out', 'Audio out', 'Power (9~32V DC)', and 'GROUND'.

■ Normal / Mirror Image adjustment

The Normal / Mirror image can be changed via the GREEN loop wire:

* Green loop wire un-cut	: MIRROR image
* Green loop wire cut	: NORMAL image

■ Caution !!

1. Before making the connection, disconnect the ground terminal from the battery to avoid short circuits.
2. The plugs should be fully inserted into the connectors or jacks. A loose connection may cause malfunctioning of the unit.
3. 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!
4. 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.
5. Preferably use an acid free grease in between the waterproof screw type connectors and tighten them firmly eachother.

* Design And Specifications Are Subject To Change Without Notice.