RYDEEN®
find your road

Owner's Manual

Top mount camera
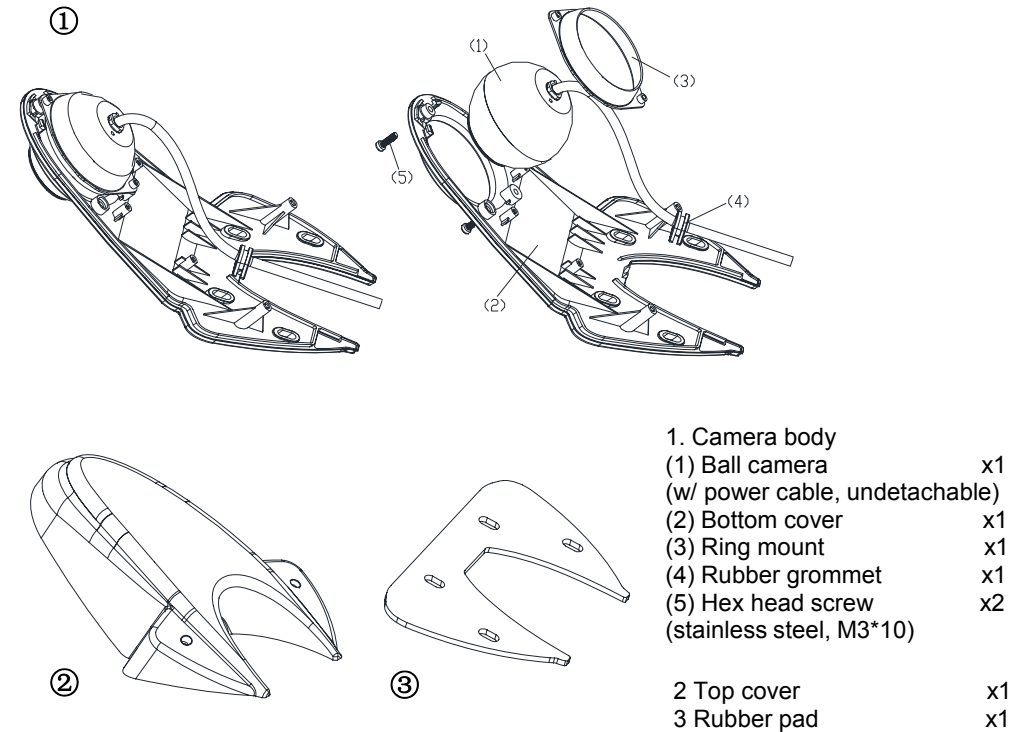**Model: CM-T1000P**

Product features:
1. Waterproof: IP69K approved
2. Nightvision distance: approx. 33ft (9 IR lights)
3. Day / Night sensor for automatic adjustment
4. Wider viewing angle up to 120 degrees

Precautious:
1. Be cautious when mounting camera and wiring near fuel tank.
2. The device is designed to work with +12 volt DC power supply.

Assembly:

■ CAMERA
①

Specifications:

Image Device:	1/3" Color CMOS PC1089
TV System:	NTSC
Effective Pixels:	728 x 488 pixels
Sensing Area:	0.18 inch x 0.14 inch
Scanning System:	2:1 Interlace
Sync. System:	Internal
Resolution:	500 TV Lines
Minimum Illumination:	0.1 Lux (day), 0 Lux (with IR)
Microphone:	Built in microphone
Horizontal Sync. Freq.:	15.734KHz
Video Output:	1.0 vp-p,75 Ohm
Gamma Consumption:	0.45
AGC:	Auto
S/N Ratio:	+48 dB
White Balance:	Auto
Electronic Shutter:	1/60 -1/100,000 second
BLC:	Auto
Current Consumption:	Day: 12V / 55mA; Night: 12V / 120mA
Power Supply:	DC 9 - 16V
Operating Temperature:	-4℉ ~ 158℉, RH 95% max.
Lens:	f=2.8mm, F=2.0
Lens Angle:	120°

1. Camera body
(1) Ball camera   x1
(w/ power cable, undetachable)
(2) Bottom cover   x1
(3) Ring mount   x1
(4) Rubber grommet   x1
(5) Hex head screw   x2
(stainless steel, M3*10)

② ③

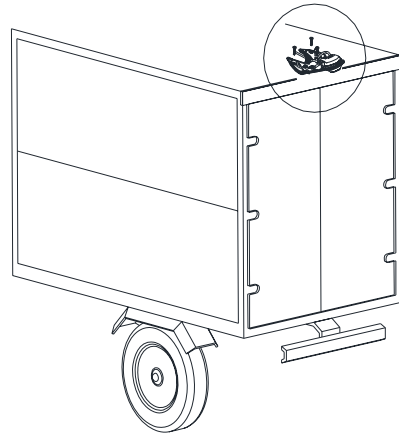2 Top cover   x1
3 Rubber pad   x1

Installation:

(1) Remove the double-sided adhesive from the rubber pad and stick the pad onto the camera body (Illustration 1).

(2) Find a proper location for installation and fix the camea body with the 4x PW4*25 Philips head screws to the vehicle (Illustration 2).
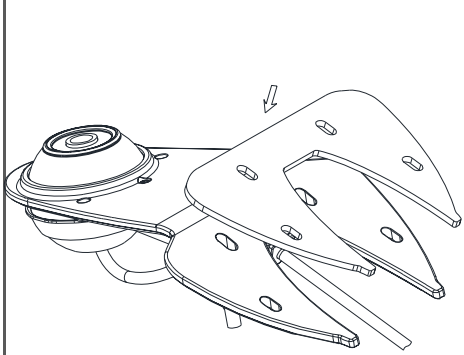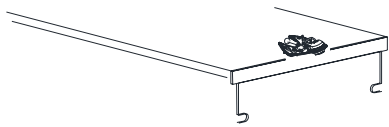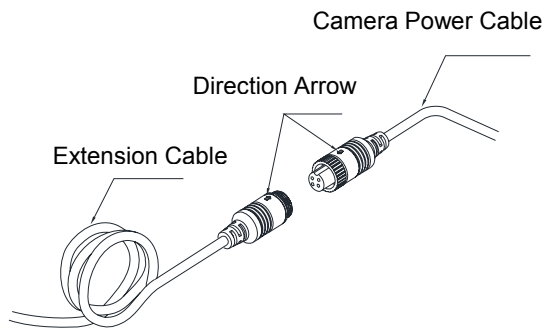
(Illustration 1)

(Illustration 2)

(3) Drill a Φ20mm hole underneath the tail part of camera (Illustration 3).

(4) Insert the camera power cable into the hole to be connected with the monitor, commonly through an extension cable (illustration 4).
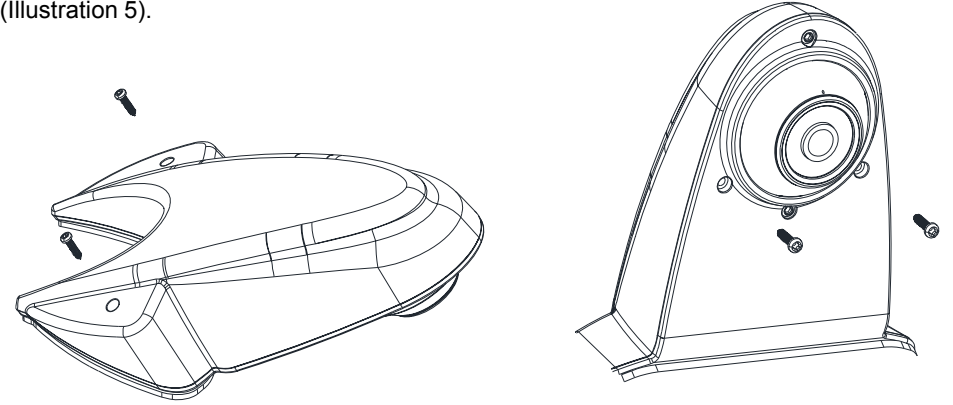
Camera Power Cable
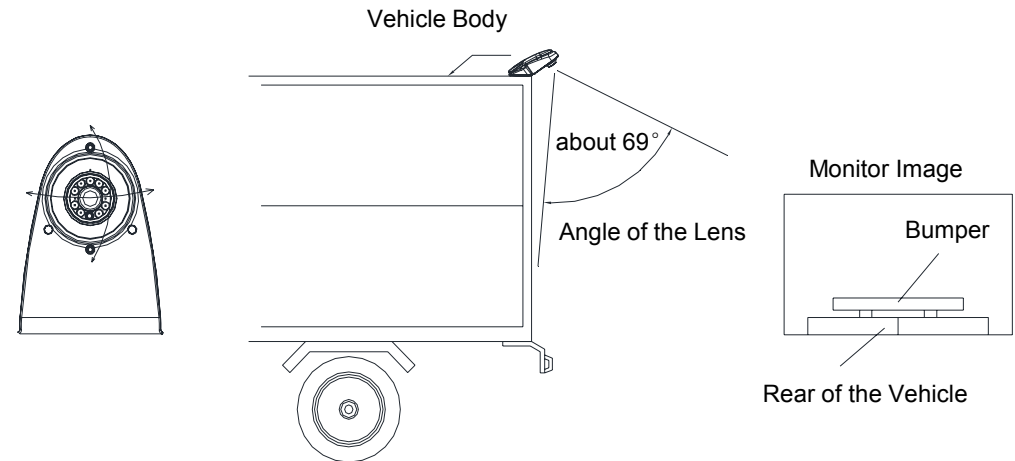
Direction Arrow

Extension Cable

(Illustration 3)

(Illustration 4)

(5) Place the top cover onto the camera body and fix it with 4x ST3*12 Philips head screws (Illustration 5).

(Illustration 5)

(6) Loosen the 2x M3*10 hex head screws to adjust the ball camera angle. When it reaches the viewing position to be properly displayed in the monitor (Illustration 6), lock the ball camera with the allen key.

Vehicle Body

about 69°

Angle of the Lens

Monitor Image

Bumper

Rear of the Vehicle

(Illustration 6)