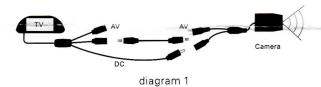
Car rear camera instructions

Please read this instruction carefully before installation and use. This instruction is applied to all our automobile camera (for rear view & front view & side view). Installation should be done by professional staff.

1. Wire Connection

Our cameras are applicable to all types vehicles. They should be installed at proper position of the vehiche and used with monitor /GPS/parking sensor etc.

When used for rear view at reversing, while the reverse gear shift is power on, camera with monitor image function is working and this kind of image function also could used for front view and side view. Wire connection as illustrated diagram 1.



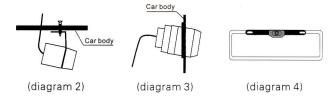
Connect the power cable of the monitor and the one of the camera with the power cable on the vehicle. If the camera is intended only for reversing, connect the power cable of the camera with that of the reversing gear. The red wire end is positive, the black one is negative.

2.Installation

Our cameras can be installed in the following ways: a.bracket-mount (diagram 2)

b. flush-mount/recessed (diagram 3)

c.licence plate screw hole mount (diagram4)



2.1 Bracket-mount camera can be installed in rear bumper or on license plate. Fix the camera with screws.

Attention: The camera swith is controlled by the reverse gear shift.. take care of sealing to prevent water leakage!

- 2.2 Flush-mount / recessed cameras can be installed by drilling a hole on rear bumper / back case.
- 2.3 The licence plate camera can be mounted in the screw hole on the licence plate, easily without drilling a small hole.

The camera is easily fixed with a nut.

Attention: The camera swith is controlled by the reverse qear shift...

3. Warranty

If the products is properly installed/used in the nomal conditions under this instruction, we will fulfilled 3 month change new one & free maintenance within 1 year. In the following cases the prod –ucts would not be guaranteed:

- 1) due to the error installation,
- 2 under the non-qualified conditions using.
- ③ break up / maintain the products etc. (Esp: cut down the power cable)
- 4 Warranty area shall not cover accessories.
- ⑤ Life long service can be provided after expiration of the warranty period, customer only need to pay for the material and labor costs.

Specifications

mage sensor	color CCD	Color CMD
TV system	PAL/NTSC optional	NTCS/PAL
effctive pixels	PAL:628*586 pixels NTSC:510*496 pisels	628X586 Pixels
horizontal resolution	480TVL	420TVL
sensing area	1/3: 4.9mm×3.7mm 1/4: 3.6mm×2.7mm	4.08mmx3.102mm
shutter speed	1/50(PAL)/1/60(NTSC) 1/10,000 seconds	1/60-20µs
Minimum illumination	0.1 Lux/F=1.2 (0 Lux with IR on)	0.1-0.5Lux/F=1.2 (0 Lux with IR on)
video output	RCA connector, 1.0vP-P,75Ω	
power consumpution	110mA max 300mA with IR on	60mA max 300mA with IR on
power supply	12v/24v	12v
operating temperature	-20℃~90℃, RH 95% MAX	-20℃~ 90℃, RH 95% MAX
storage temperature	-30℃ ~ 80℃, RH 95% MAX	-40℃~80℃, RH 95% MAX
lens angle	170°	120° /170°
waterproof	1	IP68

4.Accessóries

a.power cable 1.2m 1 pcs b.video cable 5m 1 pcs

c.screws/nuts 2sets (for bracket mount)