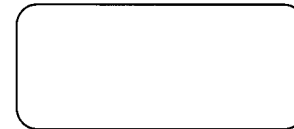
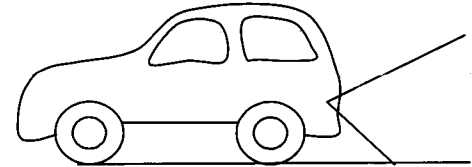


5. Specifications

Image Sensor	Color CCD	Color CMOS
TV system	PA or NTSC	PA or NTSC
Horizontal Resolution	420 TVL	420 TVL
Effective Pixels	PAL:512×582 NTSC: 512×492	OV7949:628*586(PAL), 510*496 (NTSC) PC1030 PAL/NTSC: 640*480
Sensing Area	1/3: 4.9mm*3.7mm 1/4: 3.6mm*2.7mm	OV7949: 5.961*4.276 (mm) PC1030: 3.5964*2.7084 (mm)
Min. Illumination	1.0 Lux/F=1.2,(0 Lux with IR on)	0.5 Lux (0 Lux with IR on)
Diagonal Viewing Angle	120° 170° (optional)	
Night Vision	0, 3-5m, 5-10m, 10-15 m (optional)	
Video Output	RCA connector, 1.0Vp-p,75Ω	
Current Consumption	50 – 60 mA	Max 300mA with IR on
Power Supply	DC12V	
Operating temperature	- 20℃ ~ 60℃, RH95%MAX	
Storage temperature	-40℃ ~ 80℃,RH95%MAX	

Car (Rear View) Camera Instructions

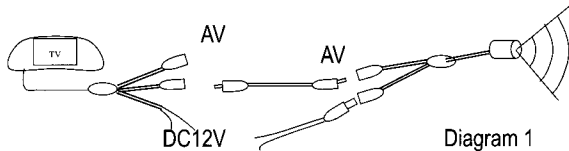


Please read this instruction carefully before installation and use. This instruction is applied to all our automobile cameras (for rear view or reversing as well as front view and side view). Installation should be done by professional staff.

1. Wire connection

Our cameras are applicable to all types of vehicles. They should be installed at proper position of the vehicle and used with monitor.

If the mirror/regular image function cannot be changed via monitor, then camera with mirror image function should be used for rear view at forward driving or reversing, and camera with regular image function for front view and side view. Wire connection as illustrated in diagram 1.



Connect the power cable of the monitor and the one for the camera with the power cable in the vehicle. When the camera is intended only for reversing, connect the power cable of the camera (and the power cable of the monitor) with that of the reversing gear. The red (or black/white) wire is positive, the black is negative.

2. Installation

Our cameras can be installed in the following ways:

- bracket-mount (Diagram 2,3)
- flush-mount (Diagram 4).
- licence plate screw hole mount (Diagram 5)
- licence plate mount

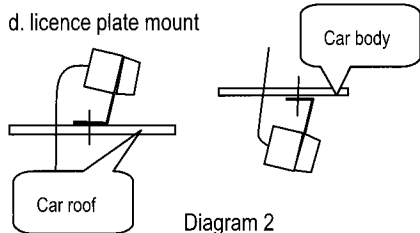


Diagram 2

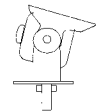


Diagram 3

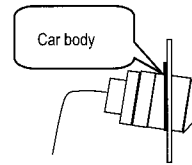


Diagram 4

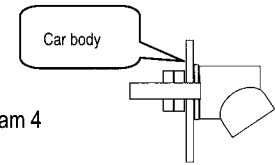


Diagram 5

- Bracket-mount camera can be installed inside or outside the vehicle, on car roof, above or under the bumper, at the side or front of the car, or elsewhere. Fix the camera with screws or adhesive tape. Important: Take care of sealing to prevent water leakage when the camera is installed on car roof.
 - Flush-mount cameras can be installed by drilling a hole in the bumper. Hole size to be drilled in car body as the size of camera body, better use the hole driller provided along with the camera.
 - The screw hole mount camera can be easily mounted in one of the 2 screw holes in the licence plate, without drilling any single whole, or on top of the car by drilling a small hole. The camera is easily fixed with a nut.
 - The licence plate camera can be easily mounted by making use of the 2 screw holes of the licence plate, without drilling any single whole in the car.
- ### 3. Accessories
- DC power cable 1 piece
 - Video extension cable 1 piece (optional)
 - Screws/nuts/washers 1-2 sets (for bracket mount and licence plate screw hole mount)
 - Hole cutter/driller: 1 piece (optional, depending on the camera)

4. Warranty

When the product is properly installed/used in the normal conditions described in this instruction, free maintenance within 1 year. Warranty shall be void in the following cases: failure or damage due to mistakes or errors in installation or use not in the limited conditions; failure or damage due to unauthorized disassembly, repair or alteration/modification, misuses (such as cutting the cable provided). Warranty shall not cover accessories. Life long service can be provided after expiration of the warranty period, customer only need to pay for material and labor cost or in the warranty void cases.