

## FEATURES

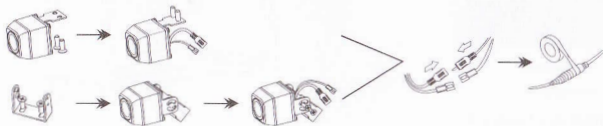
The camera is designed for passenger vehicle to provide the driver with a view of the rear vehicle.

- You can use the camera by a DC 12V/200mA.
- Install it near the bumper of the car to see rear view image.
- Water resistant housing, IP 68.
- Miniature size.
- With 2 kinds of fixing bracket for more convenient installation.
- Operates over a wide temperature range.

## INSTALLATION

We offer 2 kinds of bracket for more flexible installation as below (one attached on the camera already).

1. Fix the camera bracket on the vehicle firmly with the screws.  
If you want to use the other bracket, just unscrew the existing bracket and fix the new bracket.
2. Install the camera and adjust it to a preferred angle.
3. Installation finished.
4. Attach the camera cable to the 5M extension cable or the option adaptor. Run extension cable inside the vehicle.
5. Seal with supplied silicon tape to ensure waterproof.



Option adaptor:

To connect with 4PIN DIN plug camera.



## CLEANING AND CARING

### Caution!

Do not use sharp or hard objects to clean the device as these may damage the device.

- ◇ Clean the camera with a soft, damp cloth from time to time.

## CHECKING AND SETTING

- ◇ Check the function of the camera after you have connected it to a monitor.
- ◇ Align the camera using the image on the monitor to help you:  
The monitor image should show the rear or the bumper of the vehicle at the bottom edge of the screen. The middle of the bumper should be in the middle of the screen.
- ◇ Tighten the fastening screws of the camera bracket.

Settings for contrast and brightness can be made on the monitor.

## SPECIFICATIONS

Image type	OV7950 CMOS camera
	MT9V011+VC0702, CMOS camera
Resolution (pixels)	NTSC: 656 (H) x 492 (V) [OV7950] PAL: 720 (H) x 576 (V), NTSC: 720 (H) x 480 (V) [MT9V011+VC0702]
Image size	1/4 inch
Lens	1. 8mm/F2.5 (OV7950) 2. 2mm/F2.5 (MT9V011+VC0702)
Lens angle	160° (OV7950) 120° (MT9V011+VC0702)
Synchronization	Internal
Horizontal resolution	380 TV Lines
Power supply	DC 12V±10%
Power consumption	≤1.5W
Signal to noise ratio	≥48dB
Operating temperature range	-30°C to +65°C
Storage temperature range	-40°C to +85°C
Minimum illumination	2 LUX (OV7950) 1.5 LUX (MT9V011+VC0702)
Dimension	21.5 (L) x 21.5 (W) x 21.5 (H) mm
Weight	60g