






Advanced Rear View Camera User Manual

CAUTION

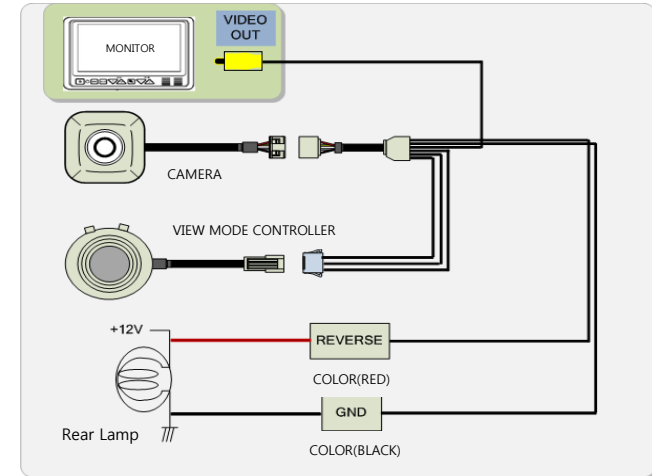
Before installing the Rear View Camera, please ensure that you read and understand the User Guide.

- The normal operating power source for this device is DC12V.
(Operating Voltage is DC5V to DC15V)
- Please ensure that the power is off when installing.
- The camera has been waterproofed. Do not open, damage, alter or place heavy items on the power cord.
Any of these actions may cause an electrical short circuit, which may lead to fire or electrical shock.
- There is a distance difference between an actual camera and the monitor, so please give attention to user after installation.
- Do not wipe out or scratch by using sharp things, it may cause a blur the image (faulty image. In this case, we could not offer a warrant service)
- Use only the recommended power accessories. Use of power sources not expressly recommended for this equipment may lead to overheating, distortion of the equipment, fire, electrical shock or other hazards.

1. Package Contents

			
Camera	Cables	Fixing Tape	Fixing Nut
			
View Mode Controller			

2. Installation & Connections



System Configuration Diagram

- 1) Select a position for the camera installation on rear of the vehicle.
(Rear garnish or side of number plate lamp)
 - 2) Please make a space to put the cable harness inside the trunk after installing the camera.
 - 3) Like picture above, please connect the extension cables to the camera cables.
 - 4) Connect RED wire to +DC12V power cable of the rear lamp, and connect BLACK wire to the body of vehicle or GND of the lamp.
 - 5) Connect RCA cable to video input port of the monitor.
 - 6) Connect the Extension Cables with the View Mode Controller.
- ※ Rear lamp will be turned on when changing 'R' gears and the Rear View Camera is going to be operating at the same time.
The camera images will be displayed with the monitor.

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3. Specifications

Item	Specifications	
Video Format	Composite Video NTSC 720H x 480V	
Frequency	15.734KHz(H),59.94Hz	
Frame Rate	30fps (60 Field)	
Sensor	¼" Aptina CMOS Image Sensor / ASX340CS(M139)	
DSP	Nextchip NVP2610	
Effective Pixels	728*560, 410K Pixels	
Resolution	450TVL	
Operating Voltage	DC 12V	
Performance Guarantee Temperature	-86°F ~ 158°F (-30°C ~ 70°C)	
Operating Temperature	-104°F ~ 185°F (-40°C ~ 85°C)	
Power Consumption	Max. 60mA	
Lens	FOV	H : 190° , V : 142° , D : 212°
	Focal Length	0.9mm
	Relative aperture	1.8
S/N Ratio	46db	
Min. Illumination	0.1Lux	
Exposure	Auto	
White Balance	AWB	
2 DNR	Auto	
Lens Distortion Correction	ON	
Camera IP Rating	IP 68	
Dimension	18mm×32mm	

4. View Mode Controller

User can change various view modes by using the controller as below. When push the button of the controller, view mode is to be changed to the next view and the last view mode will be saved automatically.



1) LDC (Lens Distortion Correction) + Top View



4) Top View



2) LDC (Lens Distortion Correction)



5) Original Image



3) PGL (Parking Guide Line)

