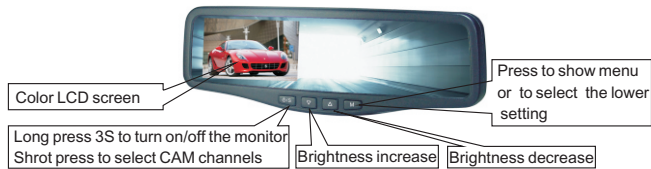


## 4. Accessories



## 5. Parts Identification

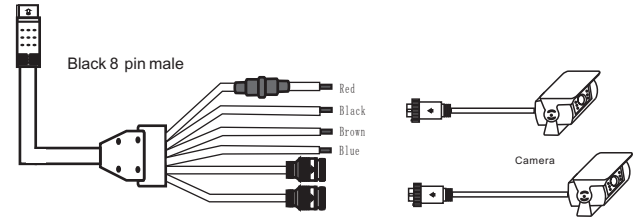


## 6. Basic Operation

### (1) Connection Diagram:

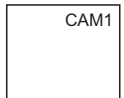


Black 4 pin male for Camera1 /Camera2.  
Single red wire to positive power supply of DC/12-32V.  
Single black wire to GND.  
Single brown wire to positive power wire of back-up light.  
Single blue wire to positive power wire of left light.

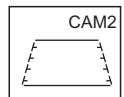


### (2) Reversing Display:

1. When the blue wire is connected to the positive wire of the left-turn light , the monitor will automatically switch to CAM1 (left side camera) when the left turn indicator is activated.



2. When the brown wire is connected to the positive wire of back-up light, the monitor will automatically switch to CAM2 (back-up camera) .The distancing grid will also be displayed.



## 7. Menu

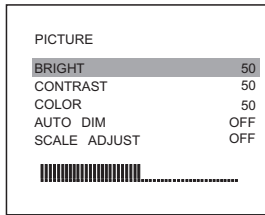
- Press M to display the following options and settings:

1. PICTURE
2. OPTION

### (1) Picture

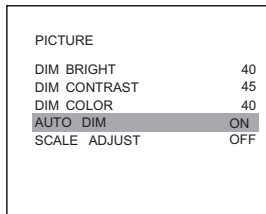
The BRIGHT, CONTRAST, COLOR, AUTO DIM and SCALE ADJUST options will display on the screen as illustrated below:

- Press M to select BRIGHT.

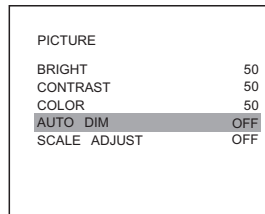


Press  $\nabla/\Delta$  to adjust the brightness level.

- When auto dim is turned on in dark environment, OSD turns into dim mode for dim setting; When auto dim is turned on/off in bright environment, OSD displays normal mode.



Dim mode



Normal mode

## 2. Features

1. TFT LCD monitor with wide angle view and high resolution display.
2. Select from 8 languages for user operation.
3. Automatic backlighting for buttons.
4. Multiple video formats available: AUTO/PAL/NTSC.
5. 2 CAM inputs.
6. Operate from 12 - 32V. Support 12V or 24V automobile battery.
7. Automatically switch to back-up, left or right side camera views.
8. The scale can be adjusted for up and down.

## 3. Technical Specifications

1. 4.3" TFT LCD color monitor with digital panel.
4. Power supply: Automobile storage battery(DC/12-32V).
5. Power consumption: about 3W.
6. Outer dimension: 280.33mm(W)× 91.52mm (H) × 30.5mm (T).
7. Pixel pitch: 0.198 (H) x 0.198 (V)mm.
8. Resolution: 480(H)x 3(RGB) x 272(V).
9. Contrast: 500:1.
10. Brightness: 800cd/m<sup>2</sup>.
11. Viewing angle: U: 50° / D:70°, R/L: 70°.
12. Operating temperature: -20°C~+70°C, RH90%.
13. Storage temperature: -30°C~+80°C, RH90%.



### Special Notice

All specifications are subject to change without notice.

● Maintenance

1. Remove all the cable connections from the monitor before cleaning the unit.
2. Use a mild household detergent and clean the unit with a slightly damp and soft cloth. Never use strong solvents such as thinner or benzene, as they might damage the finish of the device.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol is intended to alert the user not to waste electrical and electronic equipment.

**CAUTION**

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.

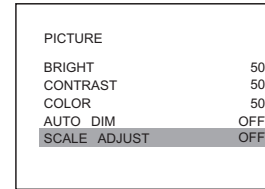
● Declaration of conformity



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference.  
(2) This device must accept any interference received, including interference that may cause undesirable Operation.

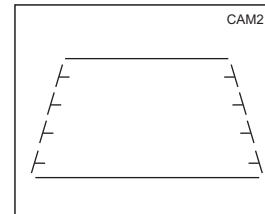


● Press M to select **SCALE ADJUST**.



Press  $\nabla/\Delta$  to select OFF or  $\uparrow/\downarrow$  for scale adjustment.

● When the brown wire is connected to the positive wire of back-up light, the distancing grid will be displayed.

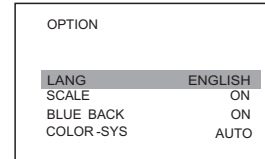


If  $\uparrow/\downarrow$  is selected, press  $\nabla/\Delta$  to adjust the scale up/down.

(2) Option

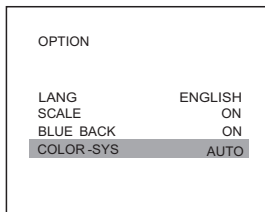
The LANG, SCALE, BLUE BACK, COLOR-SYS options will display on the screen as illustrated below :

● Press M to select **LANG**.



Press  $\nabla/\Delta$  to select English, Deutsch, Français, Español, Português, Italiano, Nederlands or Русский options.

- Press M to select COLOR-SYS.



Press  $\nabla/\Delta$  to select AUTO/PAL/NTSC.

## 8. Troubleshooting

The Symptoms described below do not necessarily mean a failure within the display. Please check the following items before you initiate request for repair.

Symptom	Possible Causes/Solutions
No picture	Improper connection of automobile adapter. Use of unauthorized power supply. Power switch is on OFF position.
No picture	Check whether AV cable is properly connected.
Dark picture	Check whether brightness and contrast are adjusted correctly; Check whether the environment temperature is too low.
No color	Adjust the color settings.
No reversing function (i.e. Picture)	The black wire of the AV cable connected to the reversing light may be loose. The red wire of the monitor may be loose.

## 1. Precautions

- Storage and Keeping

1. Do not expose the monitor to excessive heat or cold. The storage temperature of this device is -30~+80°C, and the operating temperature is -20~+70°C. The humidity is Rh90%.
2. Never use this device near a bathtub, washing basin, kitchen, damp basement, swimming pool or similar places.
3. Never use this device in environment with excessive moisture, dust or smoke.
4. Avoid dropping or striking this device.
5. Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.
6. Never puncture, scratch or use abrasive cleaning materials on this device.
7. Do not place cables where they may be pinched or stepped on.
8. Leave at least a 2" space between the monitor and walls, cabinets or other objects to allow adequate air circulation around the unit.
9. The monitor is not designed to be waterproof.

- Operating Precautions

1. The device may be powered by a 12 or 24 volt automotive battery or vehicle electrical system.
2. Make sure all cables are connected properly. Improper cable connections may damage the monitor. Remove power connection after use.

### Warning!

1. High voltage is present within the monitor. The opening of the case should be by professionals.
2. Do not watch the video while driving unless you are monitoring the rear view camera display.

### Special Notice

Occasionally, a few highlights or dark spots may occur on the LCD screen. This is a very common phenomenon in active matrix display technology, and doesn't necessarily indicate any defects or faults. Never try to repair this device by yourself. In case of any problems, please turn off the display at once and notify our company or authorized dealers. The monitor is a complex device. Any disassembly or modification may lead to damage and void the warrantee.

# Contents

1. Precautions.....	1
2. Features.....	3
3. Technical Specifications .....	3
4. Accessories .....	4
5. Parts Identification .....	4
6. Basic Operation .....	5
7. Menu.....	6
(1) Picture .....	6
(2) Option .....	7
8. Troubleshooting.....	8

# Operating Instructions



## Digital LCD Color Monitor

Please read this manual thoroughly before operating the unit,  
and keep it for future reference.

V1.3