

Haloview

<http://www.haloview.com>



Haloview User Manual



MC7611

7" HD WIRED REAR VIEW MONITOR

Please read all instructions carefully before using, and keep the manual for future reference.

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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% under.
2. Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar places.
3. Never use this device in environments 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 device.
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. Observe polarity. Improper cable connections may damage the monitor. Remove the power cable connections when you do not intend to use the unit.

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 dealer. The monitor is a complex device. Any disassembly or modification may lead to damage and void the warrantee.

● Maintenance

1. Remove all the cable connections from the monitor before cleaning the device.
2. Use a mild household detergent and clean the unit with a slightly damp, soft cloth.
3. Never use strong solvents such as thinner or benzine, 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 dispose of 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:
la FCC (Comisión Federal de Comunicaciones). El funcionamiento está sujeto a dos condiciones:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.



2 Product Features

1. TFT LCD monitor with wide angle view and high resolution display.
2. Picture image may be adjusted for Horizontal, Vertical, Mirror and Normal viewing.
3. Select from 8 languages for user operation.
4. Automatic back lighting for buttons.
6. Multiple video formats: 1080P 25fps, 1080P 30fps, 720P 25fps, 720P 30fps, PAL D1, NTSC D1.
7. Up to 3 camera inputs.
8. Operates from 10 -32V. Supports 12V or 24V automobile battery.
9. On-board speaker.
10. Automatic scanning function.
11. The scale can be adjusted for left, right, up and down.
12. Automatically switches to back-up, left, right camera views.

3 Technical Specifications

1. 7" LCD Color monitor with digital IPS panel.
2. Audio output: 1W.
3. Loudspeaker: one 15 x 24mm round loudspeaker.
4. Power supply: Automobile storage battery (DC 10-32V).
5. Power consumption: about 8W.
6. Outline Dimension: 182mm x 122mm x 26mm.
7. Pixel pitch: 0.15mm(W) x 0.15mm(H).
8. Resolution: 1024 x 3(RGB) x 600.
9. Contrast: 800:1.
10. Brightness: 550cd/m².
11. Viewing angle: U/D: 85°; L/R: 85°.



Special Notice

All specifications are subject to change without notice.

4 Accessories

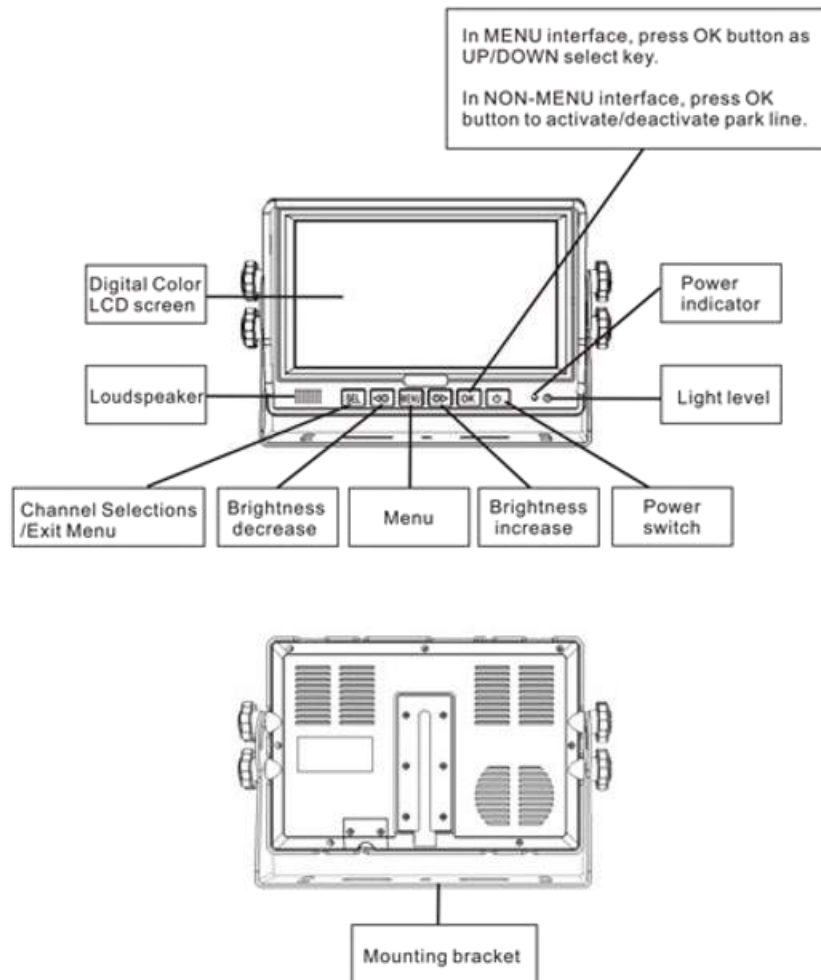
 U-Support Bracket X 1	 Center Mount Bracket X 1
 Sun Shield X 1	 Power cable X 1
 Angle Adjustment Screws X 4	 User Manual X 1



Special Notice

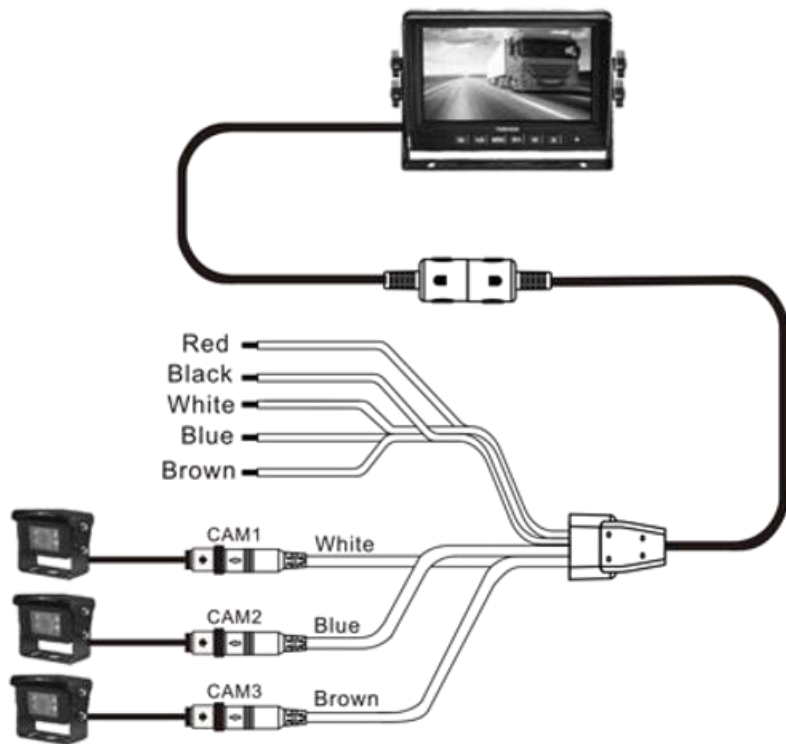
Accessory supply may be different for different application.

5 Parts Identification



6 Installation

- ① White 4pin male for Camera 1.
- ② Blue 4pin male for Camera 2.
- ③ Brown 4pin male for Camera 3.
- ④ Single red wire to power wire of DC 10-32V.
- ⑤ Single black wire to GND.
- ⑥ Single brown wire to positive power wire of the back-up light.
- ⑦ Single white wire to positive power wire of left light.
- ⑧ Single blue wire to positive power wire of right light.



7 Menu

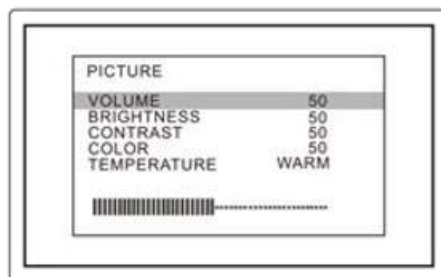
- Press MENU to display the following options and settings:

1. PICTURE
2. SETTING
3. ROTATION
4. PARK LINE
5. AUTO SCAN

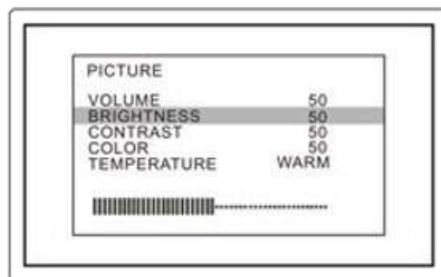
Note: Exit MENU quickly by pressing "SEL" button.

- (1) Picture
VOLUME, BRIGHTNESS, CONTRAST, COLOR, TEMPERATURE options will display on the screen as illustrated below:

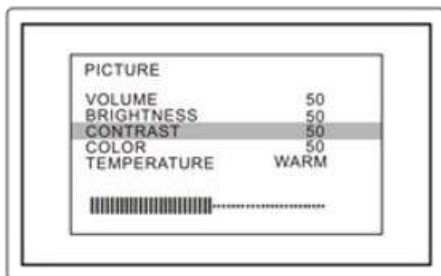
- Press ◀⚙ or ⚙▶ adjust the volume level.



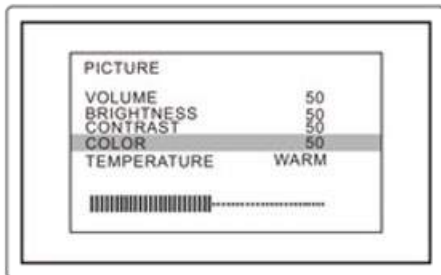
- Press "OK" to select BRIGHTNESS, press ◀⚙ or ⚙▶ to adjust brightness.



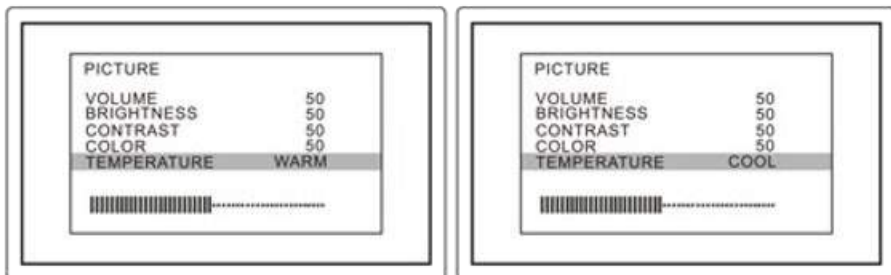
- Press "OK" to select CONTRAST, press ◀⚙ or ⚙▶ to adjust contrast.



- Press "OK" to select COLOR, press ◀⚙ or ⚙▶ to adjust color.

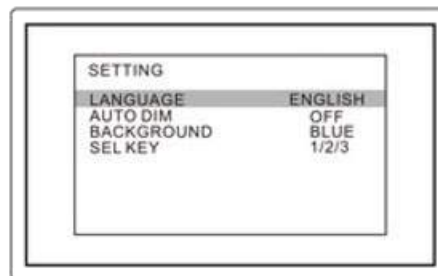


- Press "OK" to select Temperature, press ◀⚙ or ⚙▶ to adjust temperature.

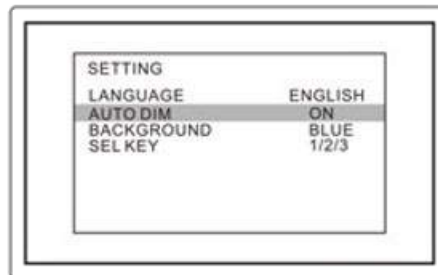


(2) SETTING
LANGUAGE, AUTO DIM, BACKGROUND, SEL KEY functions will display on the screen as illustrated below:

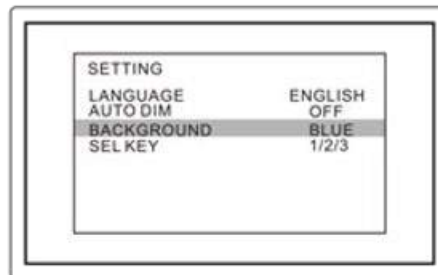
- Press "OK" to select LANGUAGE, press ◀⚙ to ⚙▶ select English, German, French, Spanish, Portuguese, Italian, Dutch, Russian



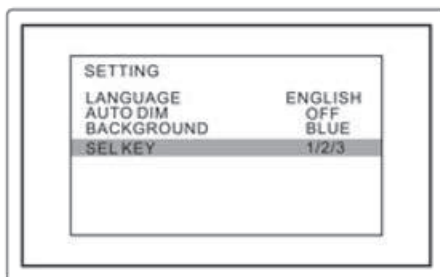
- Press "OK" to select AUTO DIM, press ◀⚙ or ⚙▶ to turn ON/OFF auto-dim, when auto-dim is turned on, monitor will automatically decrease brightness in low light. DIM BRIGHTNESS will be activated. Pressing ◀⚙ or ⚙▶ button to adjust brightness.



- Press "OK" to select BACKGROUND, press ◀⚙ or ⚙▶ to adjust background color BLUE/BLACK.



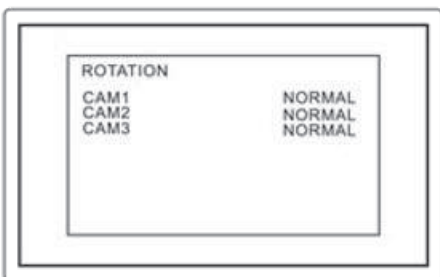
- Press "OK" to select SEL KEY, to set display CAM channel: 1/2/3, 1/2, 1/3, 2/3 selectable. If you set SEL KEY 1/2, pressing SEL button to change channels, display will skip CAM3, only switch between CAM1 to CAM2.



(3) ROTATION

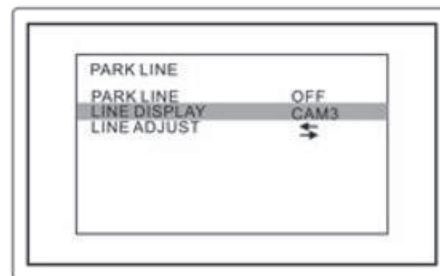
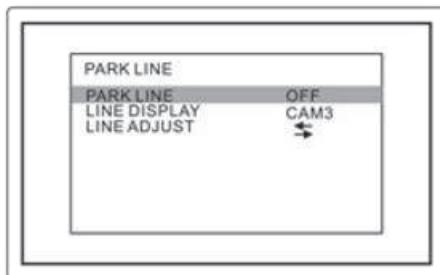
Press Menu button to enter ROTATION.

Press or to select NORMAL/MIRROR/MIR-FLIP/FLIP.

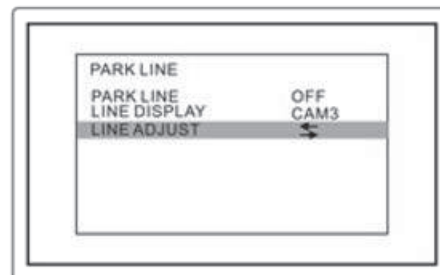


(4) PARK LINE

Turn ON/OFF park line

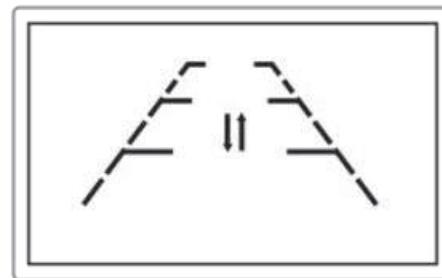
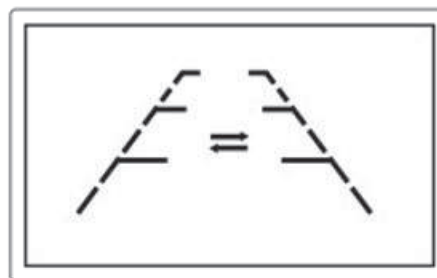


To set the park line display in a certain CAM



Press left/right button to adjust the position of park line.
Press OK to switch to up/down adjustment. Press left/right button again to adjust the park line.

Exit menu and again press "OK" to display the parking line.



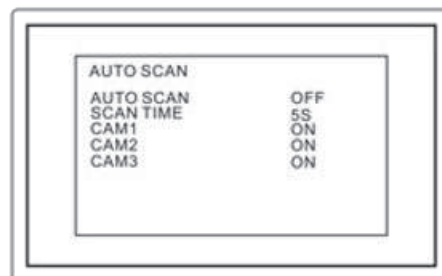
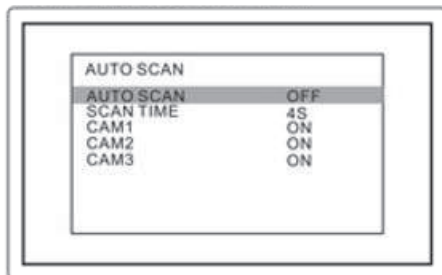
If is selected, press or to adjust the scale up/down;

If is selected press or to adjust the scale left/right.

(5) AUTO SCAN

AUTO SCAN, SCAN TIME, CAM1, CAM2 and CAM3, options display on the screen as illustrated below:

- Press "OK" select SCAN TIME. When AUTO SCAN is turned ON, the display will show SCAN after exit MENU.



Press ◀ or ▶ to select 1S~90S.

Press OK to select SCAN TIME/CAM1/CAM2/CAM3

Press ◀ or ▶ to adjust setting

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.

Symptoms	Possible Causes/Solutions
No picture, no sound	Improper connection of automobile adapter. Use of un-authorized power supply. Power switch is on OFF position.
No picture	Check whether AV cable is properly connected. Power on again, or press power switch again.
No sound	Check whether audio wire is properly connected or the sound volume is turned off or set too low.
Dark picture	Check whether brightness and contrast are adjusted correctly; Check whether the environments temperature is too low.
No color	Power on again, or press power switch again.
Upside down or lateral inverted picture	Mirror/Flip setting can be done in ROTATION MENU.
No reversing function (i.e. Picture)	The black wire of the monitor AV cable to the reversing light may be loose. The red wire from the monitor may be loose.

CAMERA SPECIFICATION

Model No.: CA611

Image Device	1/2.8" SONY CMOS	
TV System	PAL (1080P/25fps)	NTSC (1080P/30fps)
Effective Pixels	1920 (H)*1080 (V)	
Horizontal Sync Frequency	28.125 kHz	33.750 kHz
Vertical Sync Frequency	25 Hz	30 Hz
Electronic Shutter	1/25~1/50, 000 Seconds	1/30~1/60, 000 Seconds
Scanning System	Progressive Scanning	
Sync. System	Internal	
Resolution	1080P	
Video Output	AHD, 1.0Vp-p, 75 Ohm	
Gamma Consumption	0.45	
AGC	Auto	
S/N Ratio	Better than 52dB	
White Balance	Auto	
BLC	Auto	
Power Supply	DC12V	
Waterproof rating	IP69K	
Viewing Angle	130°	
Audio	Yes	
Minimum Illumination	0 Lux with IR ON	
Night vision distance	8~10m	
Image mode	Mirror	
SMART IR-CUT	Yes	
Operating Temperature	-30°C ~ 70°C, RH90% MAX	
Storage Temperature	-40°C ~ 80°C, RH90% MAX	