

TRAILER_{LIFE} PATHWAY

2.4G DIGITAL 1080P 7" LCD WIRELESS MONITOR USER MANUAL



Please read these instructions carefully before operating your new product.
Keep this instruction manual in a safe place for future reference

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1 Safety Instructions**Storage**

- 1) Do not expose the monitor to extreme heat, cold, or sudden temperature changes. The storage temperature of this device is -30 to+ 80°C or -22 to +176°F . The operating temperature is -20 to+ 70°C or -4 to 158°F with humidity under Rh90%.
- 2) Never use this device in environments with excessive moisture, dust or smoke.
- 3) Avoid dropping or striking this device.
- 4) Never puncture, scratch or use abrasive cleaning materials on this device.
- 5) Leave at least a 2" space between the monitor and walls, cabinets or other objects to allow adequate air circulation around the device.
- 6) The monitor is not designed to be waterproof.

Operating Precautions

- 1) The device can be powered by a 10 -32 volt automotive battery or vehicle electrical system
- 2) Improper cable connections may damage the monitor. Remove the power cable connections when you do not intend to use the device.

**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 warranty.

Maintenance

- 1) Remove all 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. Never use strong solvents such as thinner or benzine, as they might damage the finish of the device.



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK
DO NOT REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL**



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.

FCC WARNING

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, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

2 What's In the Box

		
Suction Cup Mount Bracket x1	Center Mount Bracket x1	Monitor x1
		
Pairing Cable x1	Camera x1	Cigarette Lighter x1
		
Camera Conversion Cable x1	User Manual x1	
 Please pair the camera with the monitor by using external 12V power supply and provided Pairing Cable before installing this system on your RV.		

The product is under continuous improvement and the specifications will change without notice. Picture for reference only. Please refer to the actual product and accessories.



Special Notice

Accessories supplied in kit may be different for each application.

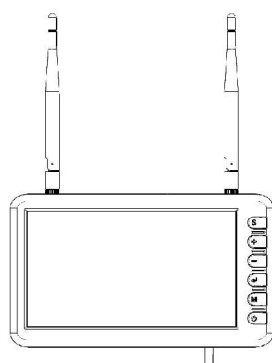
3 Features

1. NORMAL, MIRROR, FLIP and MIR-FLIP viewing available.
2. Split mode, auto-scan mode and single-display mode available.
3. Auto pairing: Auto pairing happens when camera is activated.
4. Support 4-channel composite and single-channel recording in AVI signal format.
5. Auto dim function available.
6. 4 wireless camera inputs.
7. Video input: 1080P.
8. Wide voltage input: 10 - 32V.
9. The back light of monitor buttons can be turned ON/OFF.
10. Camera night LED can be turned ON/OFF via monitor.

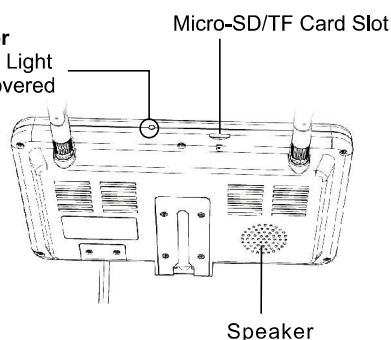
4 Specifications

LCD size	7" 16:9
Resolution	1024 x 3 (RGB) x 600
Contrast	800:1
Brightness	1000 cd/m ²
Viewing Angle	U/D: 85, R/L: 85
Aspect Ratio	16:9
Channel	4 channels
Operating Frequency	2400 - 2483 MHz
Receiving Sensitivity	-85 dBm
Video Compression	H.264
Latency	120ms
Transmitting Distance	984ft line of sight
Micro-SD /TF Card	Max. 256G
Video Format	AVI
Power Supply	DC 10-32V
Power Consumption	Max. 8W
Loudspeaker	1W/8Ω
Operating temperature	-20~+70°C, RH90%
Storage temperature	-30~+80°C, RH90%

5 Functions of Each Part



Light Sensor
Please Keep Light
Sensor Uncovered



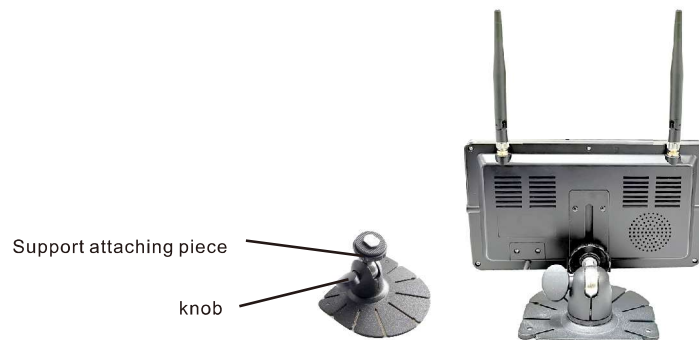
Button	Function
S	• Short press S button for channel selection. • Press S button for 2 seconds to turn ON/OFF camera night light. • When night light turned ON, display shows '🌙', camera left blue light ON. • When night light turned OFF, display shows '☀️', camera left blue light OFF. Left Blue Light Right Blue Light (Power Indicator) <i>Note: Once camera night light turned ON, it will automatically light up when there is no sunlight.</i>
+	Right or UP Button. Press for 2 seconds to turn on/off parking line.
-	Left or Down Button. Press for 2 seconds to turn on/off mute.
↩	Choose or Confirm Shortcut to Recording: Short-press to start recording, press again to pause recording. Shortcut to Pairing: Press the button for 3 seconds to enter pairing.
M	Enter MENU or return to previous MENU
⏻	Turn ON/OFF monitor or standby

6 Basic Operation

1) Installation of Center Mounting Bracket

1. Adjust monitor height by sliding monitor up or down in slot, then tighten knob

2. Adjust monitor angle by loosening lower knob on center mounting bracket, tilting monitor to desired angle and re-tighten knob



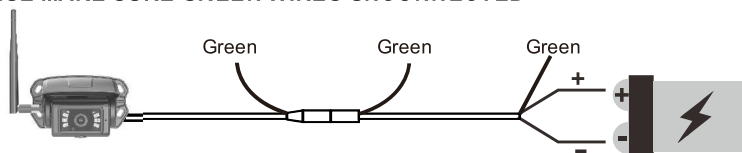
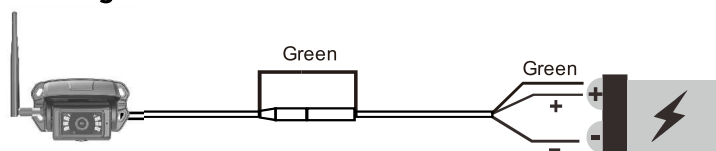
2) Installation of Suction Cup Mount



7 Wiring Instruction**Camera Wiring Method 1 (Suggested):**

Power on the camera by connecting the Red positive wire to 10 - 32 VDC power source, Black to Negative/Ground source, and connecting the camera plug.

PLEASE MAKE SURE GREEN WIRES UNCONNECTED

**Camera Wiring Method 2:**

Notice: Button invalid when triggering function activated. If you use the camera for long-hour observation, please do not follow Camera Wiring Method 2.

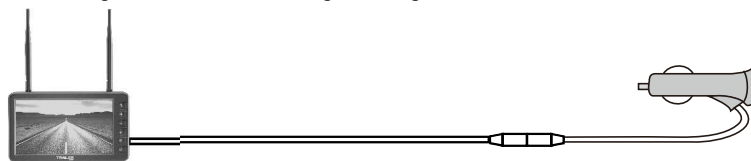
Connecting the camera plug and Green wires. Connecting the red and green wire to 10-32VDC power source, connect the Black wire to Negative/Ground source.

This wiring method can achieve camera triggering function. For example, if the green camera triggering wire is connected to the left turn signal light, the monitor will switch to this camera every time the left turn signal light is turned on.

For multi cameras, triggering function can help switch the screen display automatically without manually switching channels of cameras to avoid diverting the driver's attention during driving.

Monitor Wiring:

Connect the monitor to the cigarette lighter power adapter. Power the monitor through the vehicle's 12V cigarette lighter.



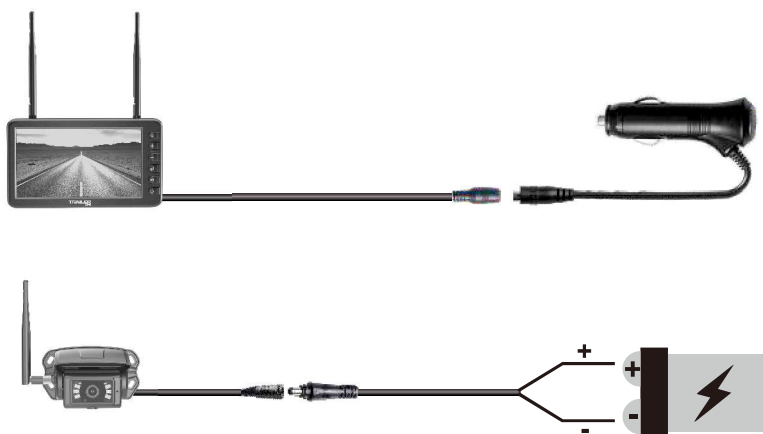
For additional cameras, cameras can be paired separately to CAM1/CAM2/CAM3/CAM4. Please refer to page 20 PAIRING.

8 Installation

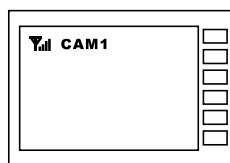
Please find best signal reception position before installation

The metal body of the vehicle can attenuate wireless signal strength sharply. It is necessary to test the signal strength before installation.

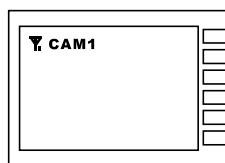
- ① Please connect monitor and camera as below picture



- ② Pairing the camera to the monitor, please refer to page 20 PAIRING. 4 cameras can be paired separately to CAM1/CAM2/CAM3/CAM4.
- ③ Put the monitor and the camera at the intended position to test signal strength.



Good signal



Poor signal

If signal strength of the position that you planned to install a camera is under 3 bars, please change to another position, or mount the camera higher to make sure the antenna highest of the top without being blocked. Please refer to below pictures:



Installation Position 1: Mount the camera higher than your vehicle's roof, keeping the antenna vertical.

Installation Position 2: Mount the camera lower but as close as possible to vehicle's roof, and move the antenna outward **15-30 degree**. The antennas proximity to any metal surfaces on the vehicle may affect signal strength.

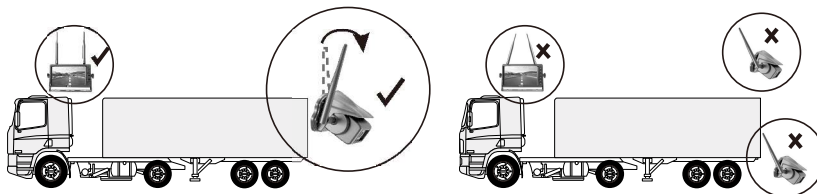


Special Notice

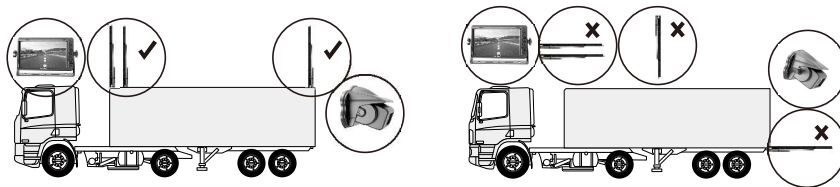
After position adjustment, you can start installation if your signal strength is still above 3 bars.

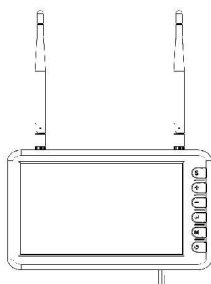
Installation

- 1) Antennas should be vertically lined to the ground. Make sure there is no obstacle around antennas.



- 2) Magnet based extension antenna should be attached on the top of the vehicle. Make sure there is no obstacle around.



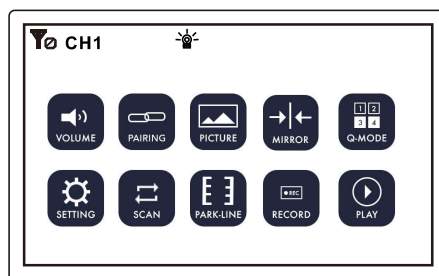


If you get poor signal reception, or signal cannot reach at least 2 bars, keep the antennas perpendicular and adjust the angle of antenna to find the best signal reception position.

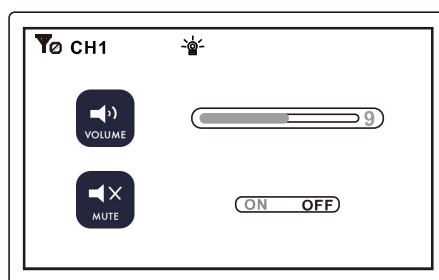
9 Menu

9.1 Menu

Press the 'M' button to enter the below interface. MENU is only available when in single image mode. When in Quad Mode, you cannot access the MENU.



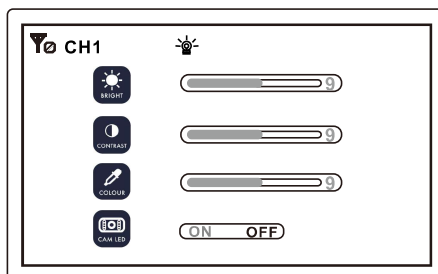
9.2 Volume



- 1) Press "M" to enter MENU, then enter VOLUME settings by pressing . Press  again to choose VOLUME, press + or - to adjust levels. Press  to confirm the setting.
- 2) Press + or - and  to set MUTE or UNMUTE.

9.3 Picture

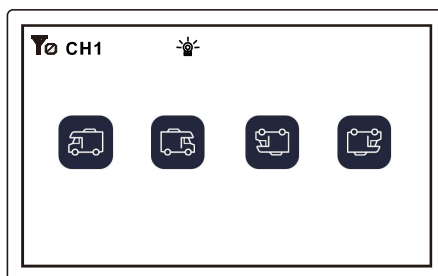
- 1) Press "M" to enter MENU
- 2) Press + or - to select PICTURE, then press  to enter



- 3) Press + or - to select BRIGHTNESS/CONTRAST/COLOR
- 4) Press  to confirm. Press + or - to adjust the settings. Press  to save the setting.

9.4 Mirror

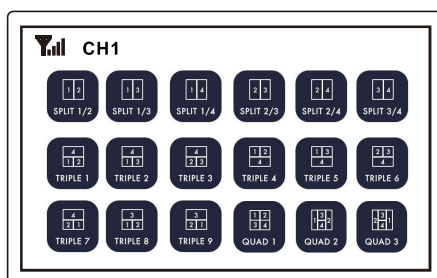
- 1) Press "M" to enter MENU. Press + or - to select MIRROR, then press  to enter



- 2) Press + or - to select NORMAL/MIRROR/MIR-FLIP/FLIP for that camera. Press  to save the setting.

9.5 QMODE

- 1) Press "M" to enter MENU, press + or - to select QMODE, then press  to enter



- 2) Press + or - to select display mode. Press  to confirm.
- 3) Press + or - to select the desired display mode. Press  to confirm.
- 4) Quad or Split Audio Setting
When the monitor is display QMODE or Split picture you can press + or - to play audio of any of the CAM channels. An audio icon will appear in the CAM that has the audio active.

CAM1		CAM2
CAM3		CAM4

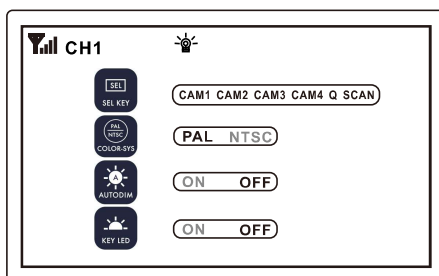
CAM1	CAM2	
CAM3	CAM4	

CAM1	CAM2
CAM3	CAM4

CAM1	CAM2
CAM3	CAM4 

9.6 Setting

- 1) Press "M" to enter MENU, press + or - to select SETTING, then press  to enter
- 2) SEL KEY: User defined CAM switching. For example, if CAM 1, CAM 2, Q(QUAD MODE) are selected, when pressing the S button, the display will switch from CAM 1 to CAM 2 and QUAD MODE, it will skip CAM 3, CAM 4 and SCAN
- 3) Press + or - to move the selection. Press  to select or cancel, the yellow dot indicates the current selection



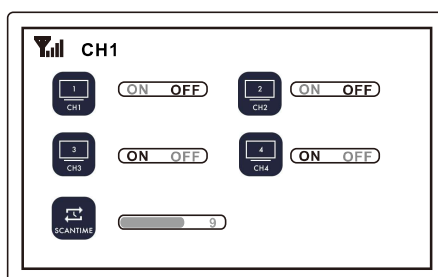
ICON	FUNCTION
	Set video format of the camera. Please refer to below table.
	When the option is turned "ON", monitor will automatically decrease brightness in low light. Or you can turn "OFF" the auto-dim function.
	The back light of monitor buttons can be turned ON/OFF at your will.

VIDEO FORMAT	COUNTRY
PAL	Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, China, Cyprus, Czechoslovakia, Denmark, Dubai, Egypt, Finland, France, Germany, Gibraltar, Greece, Hungary, Iceland, India, Indonesia, Ireland, Israel, Italy, Jordan, Kuwait, Luxembourg, Malaysia, Netherlands, New Zealand, Norway, Sultanate of Oman, Poland, Portugal, San Marino, Saudi Arabia, Singapore, Spain, Sweden, Switzerland, Turkey, United Kingdom,
NTSC	Bolivia, Canada, Chile, Colombia, Costa Rica, Ecuador, Japan, South Korea, Mexico, United States

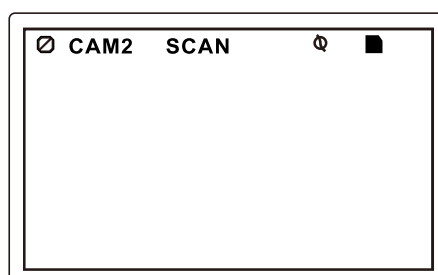
4) Press + or - and  to set TIME/PAL-NTSC/AUODIM

9.7 SCAN

- 1) Press "M" to enter MENU, press + or - to select SCAN. Press ↵ to enter

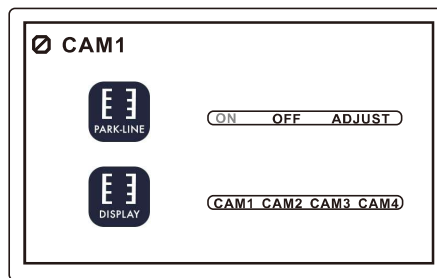


- 2) Press + or - and ↵ to select SCAN channels and SCANTIME.
- 3) Press "S" button to switch to SCAN interface. A SCAN icon will appear on the display. Press again to exit SCAN mode.

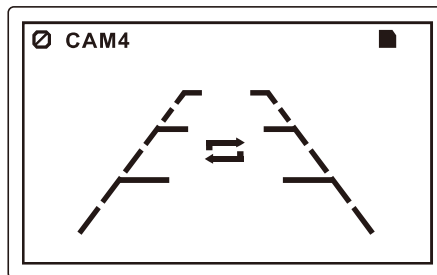


9.8 Park-line

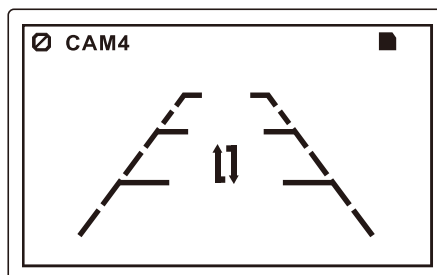
- 1) Press "M" to enter MENU, press + or - and ↵ to enter PARK-LINE
 Display: To set the park line display in a certain channel of CAM, press + or - button to select, press ↵ to confirm.



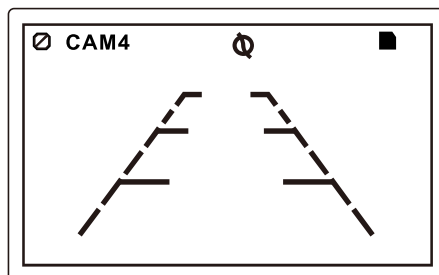
- 2) Turn on/off parking lines or enter adjust parking lines setting



- 3) Press + or - to adjust the position of parking lines



- 4) Press + or - to adjust the position of parking lines

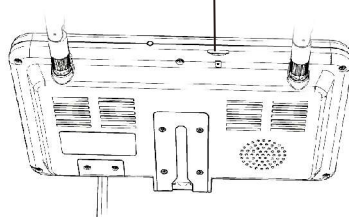


- 5) **Note:** Park line display in CAM4 as default, but it is settable if you want it to display in other channels of CAM

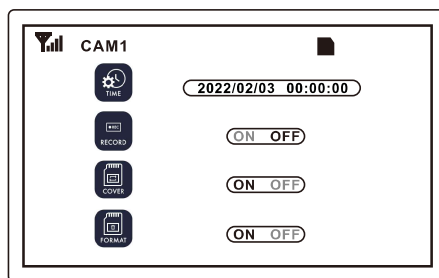
9.9 Record

- 1) Insert TF Card
Please insert TF card in TF card slot, max 256G Micro-SD/TF Card

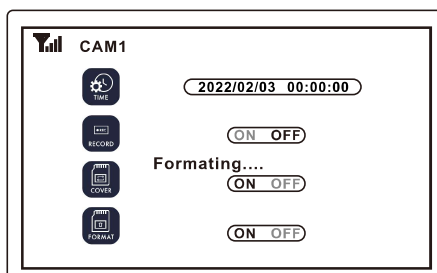
Micro-SD /TF Card Slot



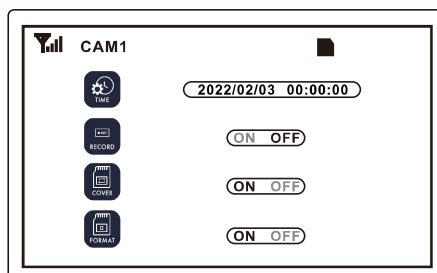
- 2) Format the TF Card
Note: TF card must be formatted before using
Press "M" button to enter menu interface, and enter RECORD setting



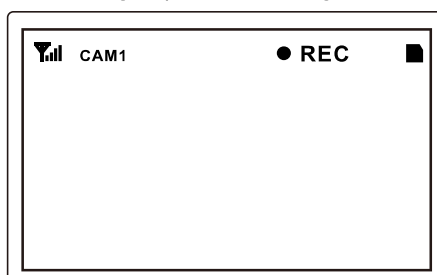
When COVER is turned on, overwrite function will be activated. Previously recorded video files will be overwritten when TF card memory is full.



After TF card is formatted, a yellow folder icon will be shown on the screen, indicating TF card is available now.



- 3) After setting, turn on RECORD to start recording or pause recording, or, you can press  to start recording or pause recording.

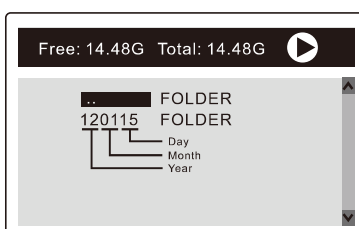


Note: Pressing  in QUAD or SPLIT display, the monitor will record all displayed channel of CAM at the same time.

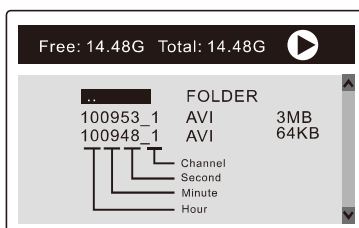
9.10 Play Recorded File

Recorded videos can be played by monitor.

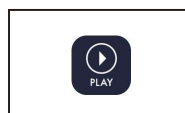
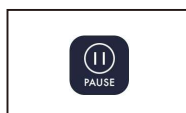
- 1) Press "M" to enter MENU, press + or - to select PLAY, then press  to enter
- 2) Press + or - and  to select a file



- 3) Press + or - and  to select TIME & CHANNEL. Confirm with 



- 4) Press  to PLAY or PAUSE the file



	091811_2	2022/01/01 00:00	AVI-Windows...	66.543 KB
	091811_2.MPB	2022/01/01 00:00	MPB	47.823 KB
	092311_2.MPB	2022/01/01 00:00	MPB	62.447 KB
	092312_2	2022/01/01 00:00	AVI-Windows...	87.727 KB
	092812_2	2022/01/01 00:00	AVI-Windows...	87.311 KB
	092313_2.MPB	2022/01/01 00:00	MPB	59.471 KB
	093312_2	2022/01/01 00:00	AVI-Windows...	89.359 KB

Read the SD card through the computer, there will be two formats of files. It is suggested to play the AVI format files for higher video resolution.

9.11 Pairing

Camera and monitor are paired at the channel of CAM 4 as factory default setting. When you open the box, power on the monitor and camera, press 'S' button to switch to CAM 4, the image will be displayed. Otherwise, please try below methods for pairing.

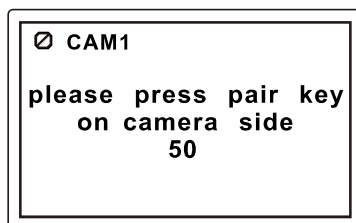
Please finish pairing before installation.

1) Press 'S' button to select a channel that needs to be paired.

2) Monitor Pairing

Method 1: Enter menu interface and select PAIRING, press  to confirm, you will have 50 seconds for pairing.

Method 2: Press  button for 3 seconds to enter PAIRING status, you will have 50 seconds for pairing.



3) Camera Pairing

Method 1: Press the pairing button on the bottom of the camera.

Method 2: Power off the camera and power on it again.



PAIR button

4) Video will be displayed after pairing complete.



Special Notice

If no picture displayed after pairing, please retry pairing steps and power-on again the camera. The pairing must be completed within 50 seconds, otherwise you need to re-power the camera for pairing.

10 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 unauthorized power supply. Power switch is OFF. Please re-pairing the system. Refer to page 20 PAIRING.
No signal	Check whether the camera is powered on. Please check whether antennas are plugged on both monitor and camera. Please check the angle of the antenna. Please check whether metal obstacles near the antenna. Please re-pairing the system. Refer to page 20 PAIRING.
No sound	Check whether the sound volume is turned off or set too low.
Dark picture	Check whether brightness and contrast are adjusted correctly.
No color	Adjust the HUE settings.
Button invalid	All Button invalid when trigger wire is activated. Please deactivate trigger wire signal to get the button function valid. For example, if you connect the camera to left turn signal light, the camera will automatically displayed on the monitor every time the left turn signal light turned on. Buttons invalid during triggering. Once triggering released, buttons will be operational again.
Unable to record	Please check whether TF card inserted Please check whether TF card formatted before recording Please check whether TF card storage full

The monitor is equipped with Anti-Glare screen. Please remove the screen protector to get best picture quality after installation.