

# Operating Instructions



## 2.4GHz 720P 7" Digital Wireless Color LCD Monitor

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

V 1.0



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# 1. Precautions

## ● Storage and Keeping

- (1) Do not expose the monitor to excessive heat or coldness. Storage temperature is  $-30\sim+80^{\circ}\text{C}$ ; Operating temperature is  $-20\sim+70^{\circ}\text{C}$ ; Battery operating temperature is  $0\sim70^{\circ}\text{C}$ ; Humidity is Rh90%.
- (2) Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar places.
- (3) Never use this device in the environment with excessive moisture, dust or smoke.
- (4) Avoid dropping or striking.
- (5) Never use 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 12V or 24V 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 device.



### Warning!

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





### Special Notice

Occasionally, a few highlights or dark spots may occur on the LCD screen. That is a very common phenomenon in active-matrix display technology, and it doesn't necessarily indicate any defects or faults.

Never try to repair this device by yourself. If any problem, 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 invalidate warranty.

## ● 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 benzene, as they might damage the finish of the device.

	Caution	
	Risk of electric shock Do not open	
<p>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.</p>		



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.

## 2. Features

- (1) TFT LCD monitor with wide angle view and high-resolution display.
- (2) Image can be set to horizontally flipped, vertically flipped and normal.
- (3) Support multiple image display modes like single, dual, quad, H-split.
- (4) Support 5 x triggers, trigger priority & trigger delay are selectable.
- (5) Support auto scan, scan channel and scan time are selectable.
- (6) Support backlight adjustment manually and automatically.
- (7) Supports parking line, parking line size and position can be adjusted.
- (8) With 1.5W speaker.
- (9) Monitor operated by remote control or keypad.
- (10) Working voltage: 10-32V.
- (11) Compliance with CE standards.
- (12) 4 wireless camera input.
- (13) Capacitive touch screen.

### 3. Technical Specifications

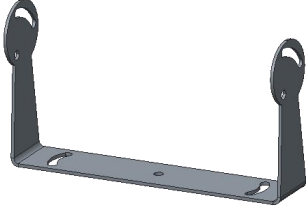





LCD Size	7"
Resolution	1024 x 3(RGB) x 600
Contrast	700:1
Brightness	600cd/m <sup>2</sup>
View Angle	U: 85 / D: 85, R / L: 85
Aspect Ratio	0.1506(W) x 0.1432(H)
Channel	4
Operating Frequency	2400 -2483.5MHz
Receiving Sensitivity	-78 dBm
Decompression Form	H.264
Modulation	FHSS
Time Delay	200 ms
Transmitting Distance	Max. 300 m
Micro SD Card	Max. 128 GB
Power Supply	DC 10-32V
Power Consumption	Max. 12W
Loudspeaker	1.5W / 8Ω
Operating Temperature	-20~+70°C,RH90%
Storage Temperature	-30~+80°C,RH90%



#### Special Notice

All specification are subject to change without notice.

## 4. Accessories

 <p>U-Support Bracket</p>	 <p>Center Mount Bracket</p>
 <p>Sun Shield</p>	 <p>Power cable</p>
 <p>Angle Adjustment Screws</p>	 <p>IR Remote control</p>



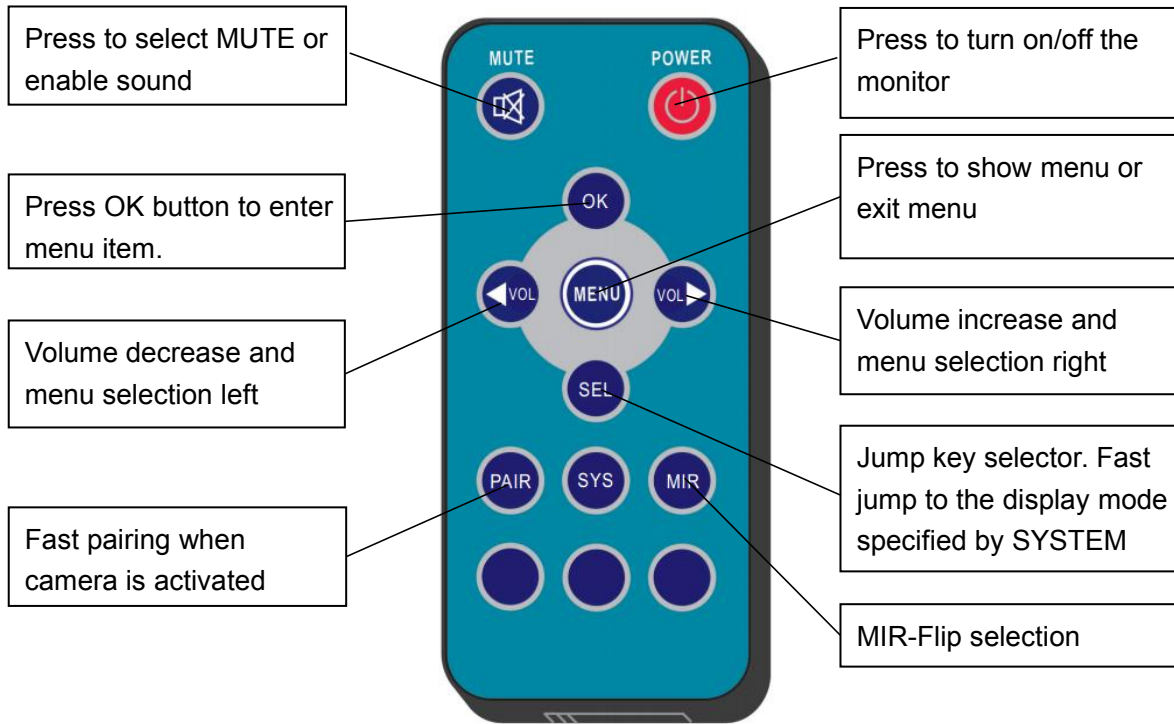
### Special Notice

All specification are subject to change without notice.

## 4.Parts Identification



## 6. Remote Control Operation



- MUTE (Mute)

Press to select MUTE or enable sound.

- POWER (Power switch)

Press to turn on / off the monitor.

- OK

Press OK button to enter menu item or save user settings.

- MENU

Press to show menu or exit menu.

- VOL-

Volume decrease and menu selection left.

- VOL +

Volume increase and menu selection right.

- SEL

Jump key selector. Fast jump to the display mode specified by SYSTEM SETUP - JUMP KEY.

- PAIR

Fast pairing when camera is activated.

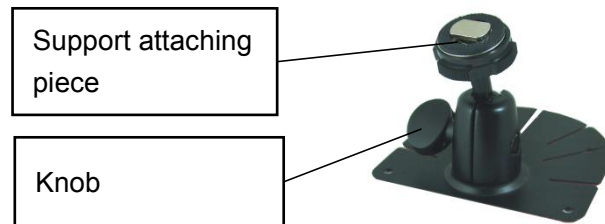
- MIR

MIR-Flip selection.

## 7. Basic Operation

### 7.1 Installation of Center Mounting Bracket

- ① Adjust monitor level by sliding the support to the desired height.
- ② Adjust the angle of the monitor and tighten the knob on the center mounting bracket.

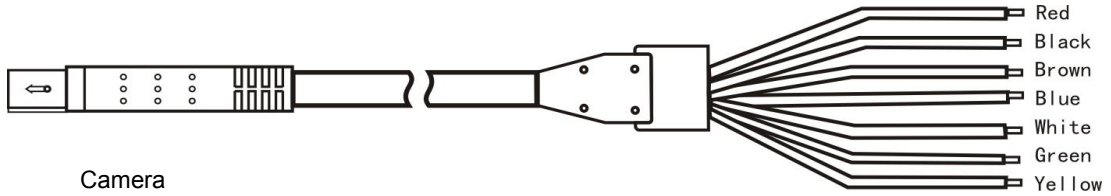


### 7.2. Installation of U-support Bracket





Red wire to positive power supply of DC/10-32V.  
Black wire to Ground.  
Single brown wire to positive power wire of back-up light.  
Single white wire to positive power wire of left light .  
Single blue wire to positive power wire of right light .  
Green or yellow wire to other positive power wire.



Camera  
DC/ 12V

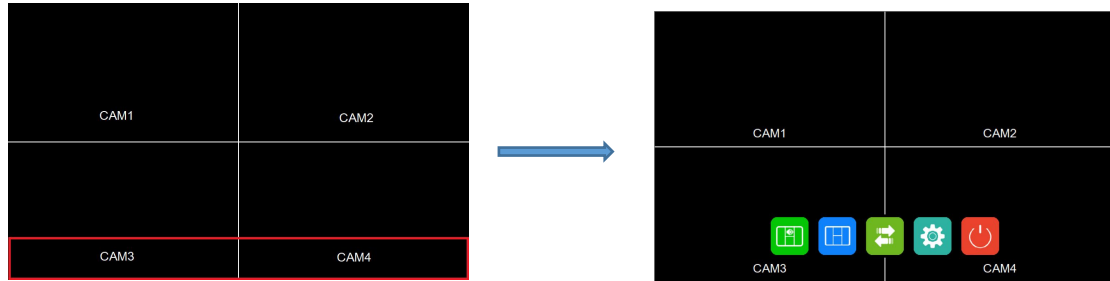


Video inputs

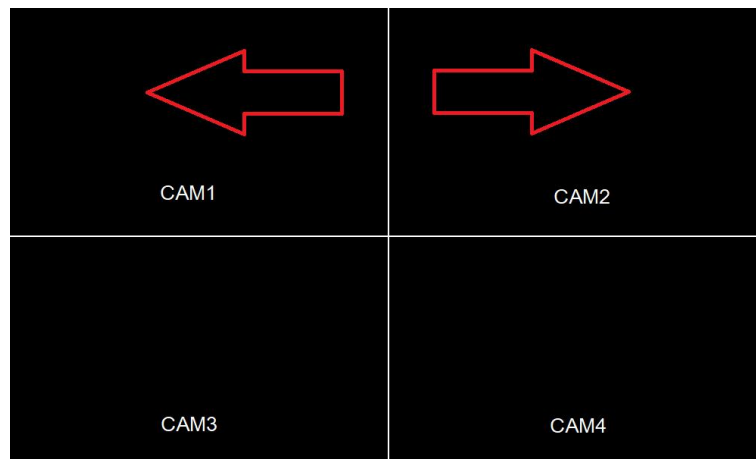


## 8. Menu Instruction

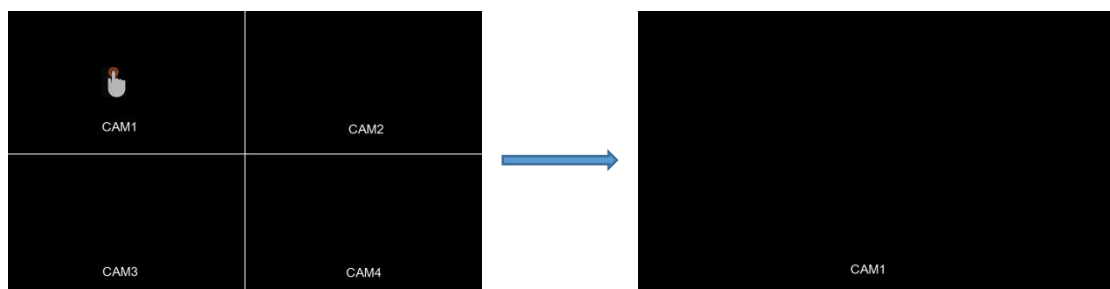
### 8.1 Preview Interface



- Touch any area within the red box to bring up the main menu

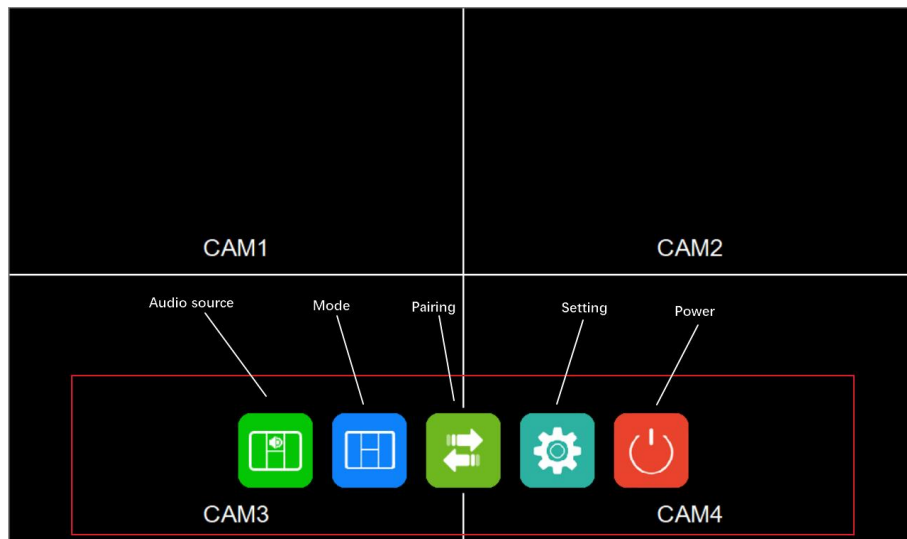


- Swipe left/right on the screen to switch to different views, in the order: CAM1->CAM2->CAM3->CAM4->DUAL->H SPLIT->QUAD
- Swipe up/down on the screen to exit/enter standby mode quickly



- In the split view, touch the single view channel to zoom it to full screen, and touch it again to return to multi-split view

## 8.2 Main Menu



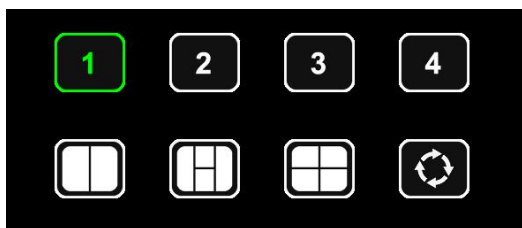
- Touch the icons to enter the menu or touch the area outside the red line to exit

- **Audio source**



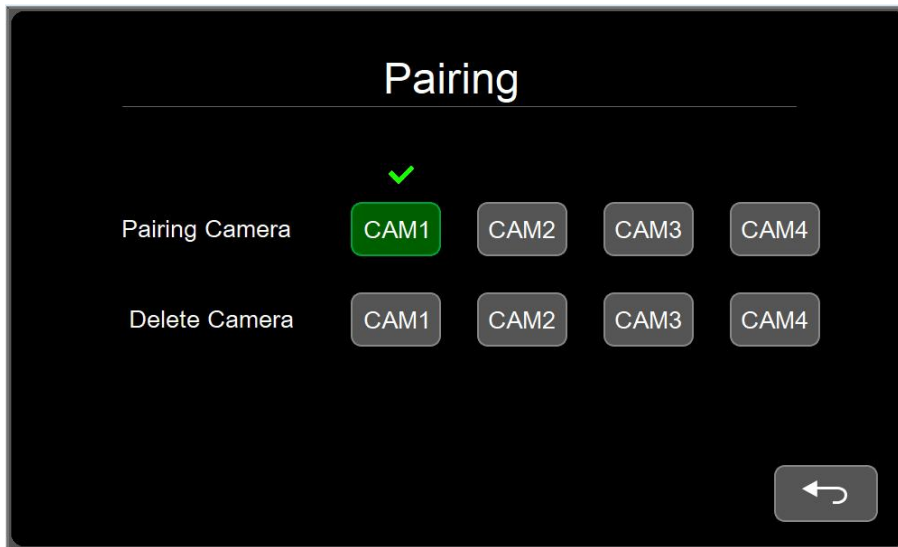
Switch audio channels in the multi-split view screen

- **Mode**



Select different icons to switch to the corresponding screen, the last icon is to enable automatic scanning

- **Pairing**

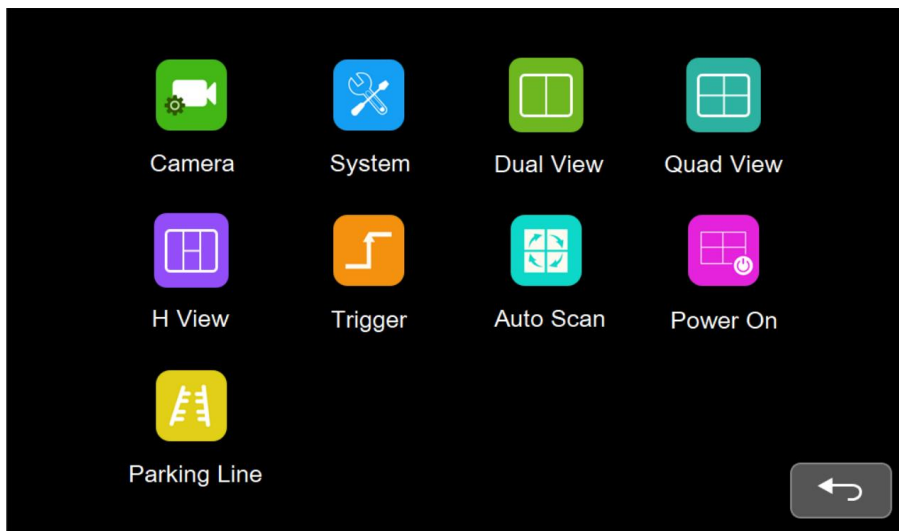


In Pairing Camera, you can connect to tx of the designated channel; In Delete Camera, you can delete the tx of the corresponding channel

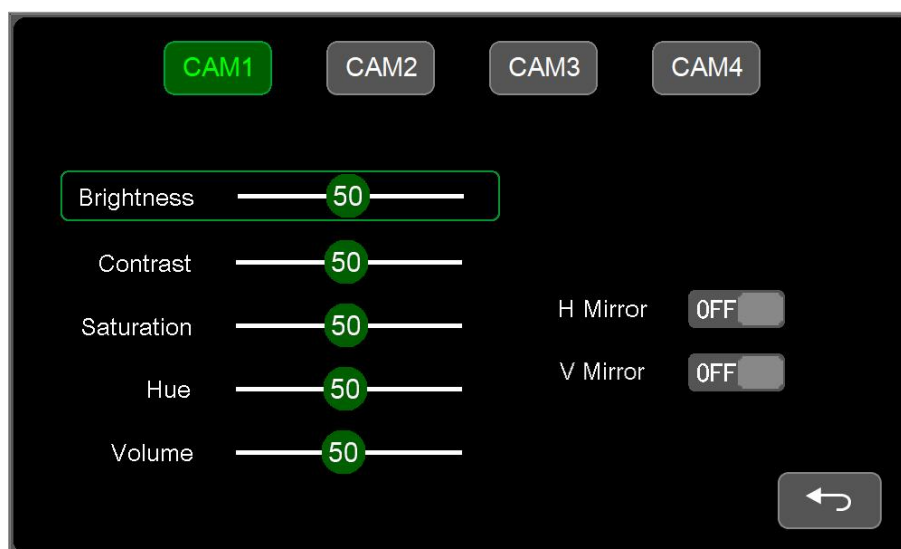
- **Record Control**

Click the icon to start or stop recording

### 8.3 Setting



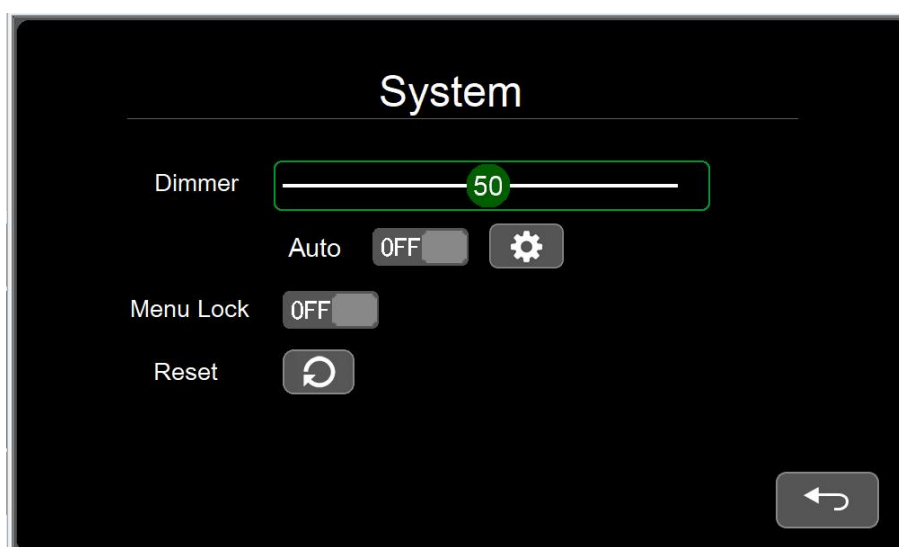
### 8.3.1 Camera



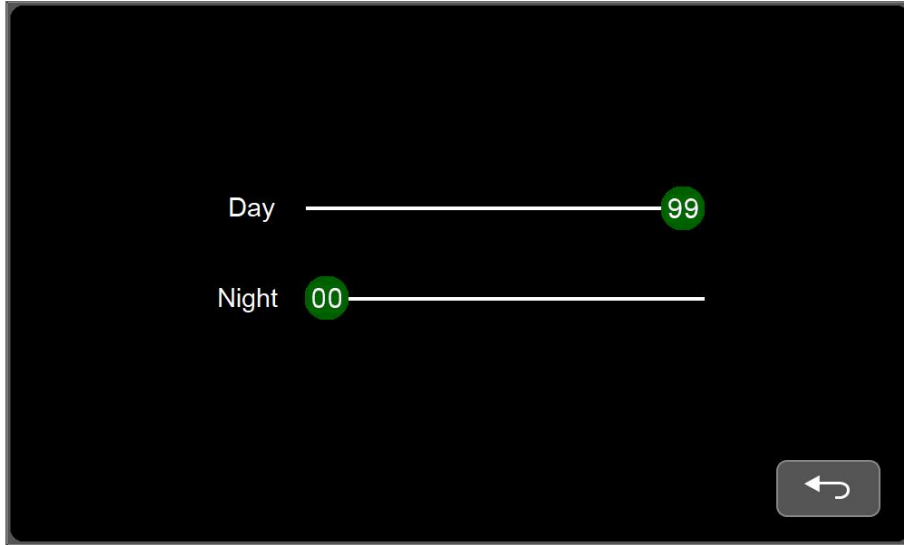
- Touch screen or press left and right keys plus OK key to switch to the corresponding channel
- Press the Menu key of remote control or button panel to return to the channel selection
- Drag the corresponding slider bar and mirror setting icon, you can adjust the corresponding color, volume and mirror ON/OFF state

For key operation: when the cursor is in the slider area, different icons can be selected when the cursor is green. To adjust the value, press OK to turn the cursor red, and then press left/right to adjust the value. Press OK again and the cursor turns green again

### 8.3.2 System



- When Auto backlight (Auto) is off, drag the slider to adjust the screen brightness; when it is on, dragging the slider is invalid



- The brightness of the automatic backlight can be adjusted. Day indicates the brightness under high ambient brightness, and Night indicates the brightness under low ambient brightness
- Menu Lock disables the touch screen
- Long press the power button for 3s in the interface without menu display will open/close menu lock

### 8.3.3 Dual View



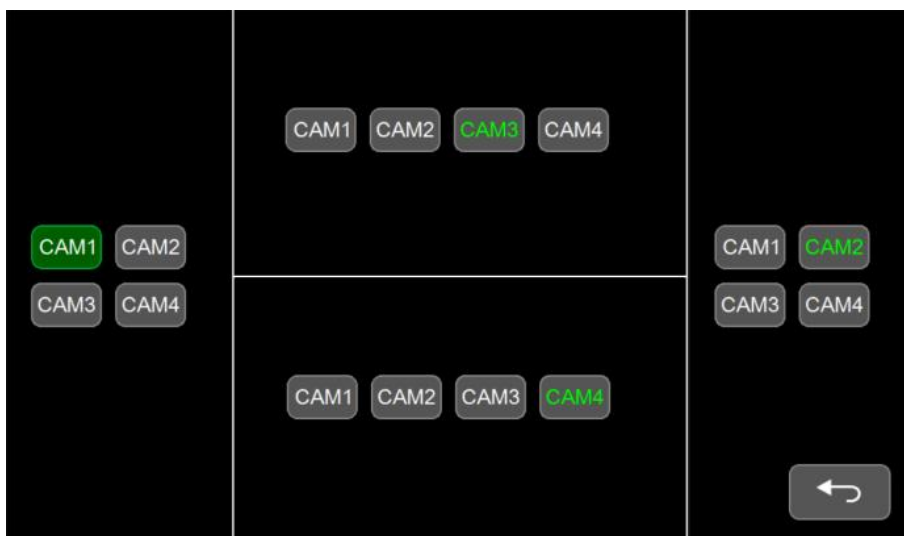
- The tx highlighted in green indicates the channel being displayed
- Touch screen or press left and right keys plus OK key to select any tx to put the corresponding position

### 8.3.4 Quad View



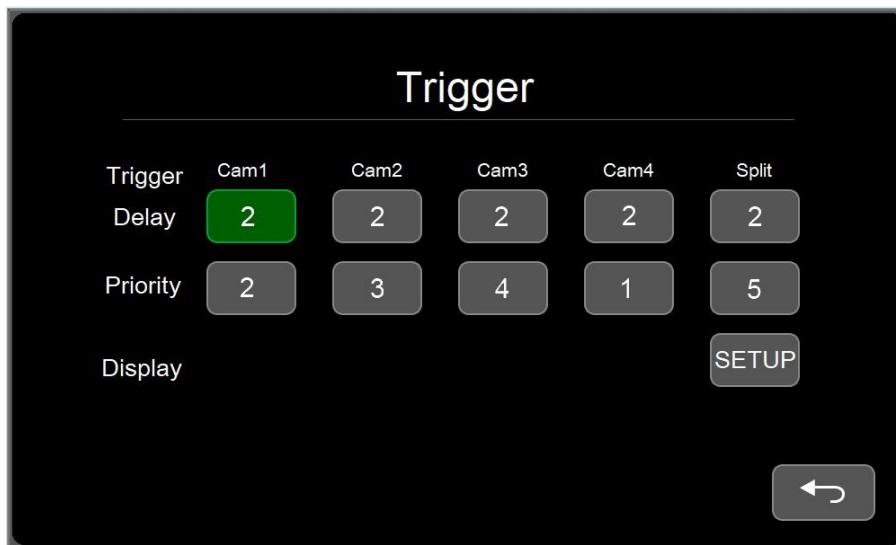
- The tx highlighted in green indicates the channel being displayed
- Touch screen or press left and right keys plus OK key to select any tx to put the corresponding position

### 8.3.5 H View



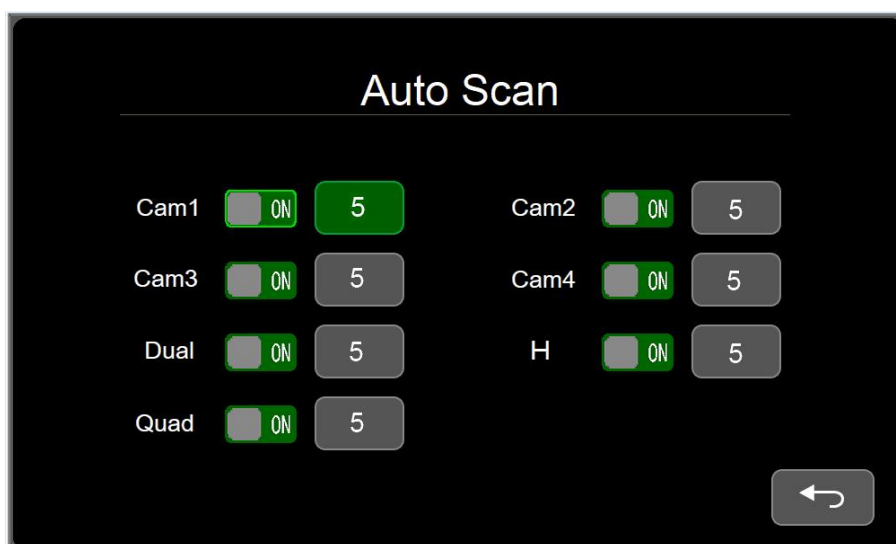
- The tx highlighted in green indicates the channel being displayed
- Touch screen or press left and right keys plus OK key to select any tx to put the corresponding position

### 8.3.6 Trigger



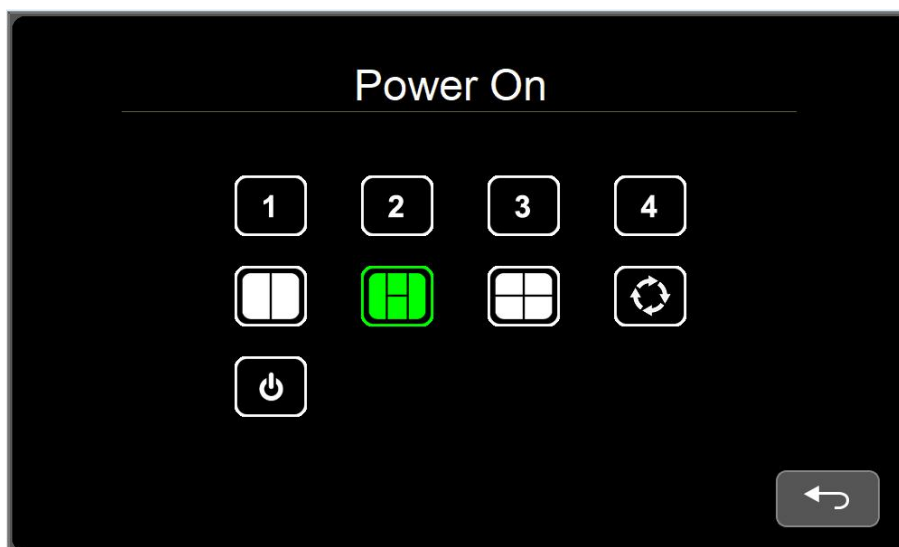
- Trigger Delay ranges from 1 to 60s
- Priority ranges from 1 to 5
- Trigger function takes precedence over automatic scan function
- When the trigger signal is detected, the signal source will automatically switch to the corresponding screen. When the trigger ends, it returns to the previous screen
- Support standby trigger
- Display only applies to yellow trigger wires

### 8.3.7 AutoScan



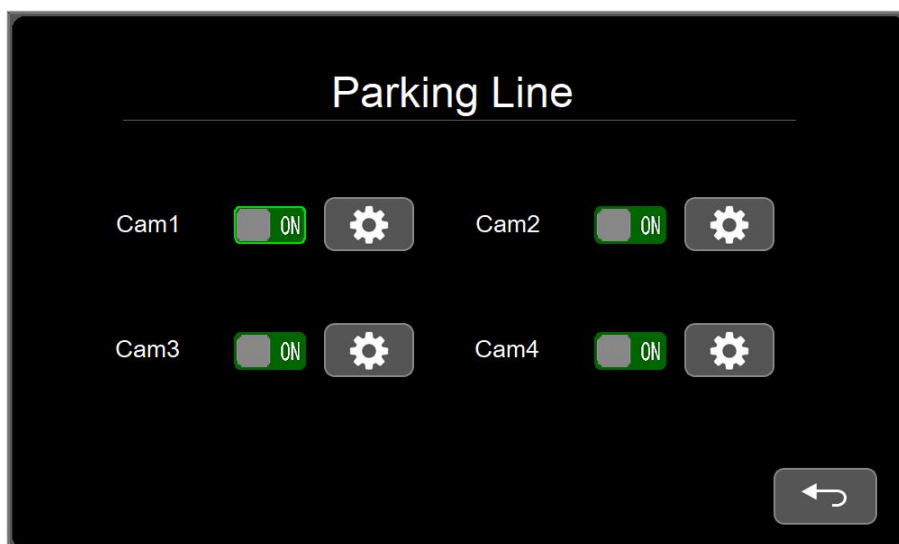
- The duration of automatic scanning ranges from 5 to 60s
- Each screen can be set to be automatically scanned

### 8.3.8 Power On

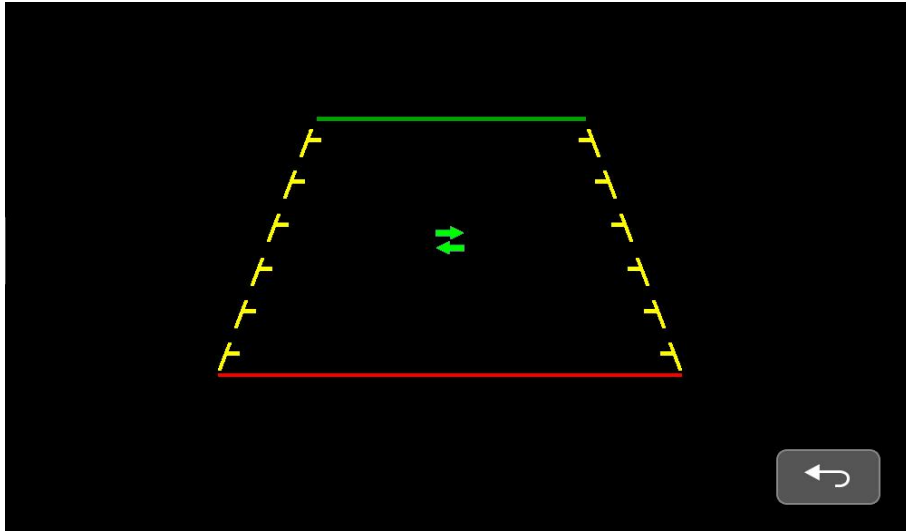


- Touch screen or press the left/right keys to select the corresponding icon, upon startup, the corresponding screen will be displayed or entering automatic scanning or standby state
- Click on the highlighted icon or press the OK key, the green cursor will disappear, and the last mode is enabled, in which the device will automatically enter the state before shutdown upon power on.

### 8.3.9 Parking Line



- When the switch is ON, the single view when it is triggered will display the parking line



The left and right keys enable the cursor to move left and right



The left and right keys enable the cursor to move up and down



The left and right keys enable the adjustment of cursor size

- The OK key is used to switch between different modes
- The cursor can be adjusted by sliding on the screen with one finger, and the cursor size can be adjusted with two fingers. The status of icons in the middle of the cursor does not affect touch adjustment

### 8.3.10 Power Off



- When Screen Off is selected, it will enter standby and respond when triggered. When Sleep is selected, it will enter Sleep state and will not respond to the trigger