WARRANTY INFORMATION

Our product is guaranteed to be free from manufacturing defects for a period of 12 Months.
If your product becomes defective during this period, Electus Distribution will repair, replace, or refund where a product is faulty; or not fit for intended purpose.
This warranty will not cover modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.
To claim warranty, please contact the place of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim.
Any expenses relating to the return of your product to the store will normally have to be paid by you.
The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by:
Electus Distribution
Address 46 Eastern Creek Drive, Eastern Creek NSW 2766
Ph. 1300 738 555

size:200x140mm

RESPONSE

QM3844

DIGITAL WIRELESS
REVERSING
CAMERA KIT

INSTRUCTION MANUAL

1.Precautions

Storage

1.Do not expose the monitor to extreme heat ,cold, or sudden temperature changes
The storage temperature is -30 to +80°C with the humidity under RH85%.

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 monitors is not designed to be waterproof

Operating Precautions

1.The device can be powered by a DC10-32 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 your are monitoring the rear view camera display.
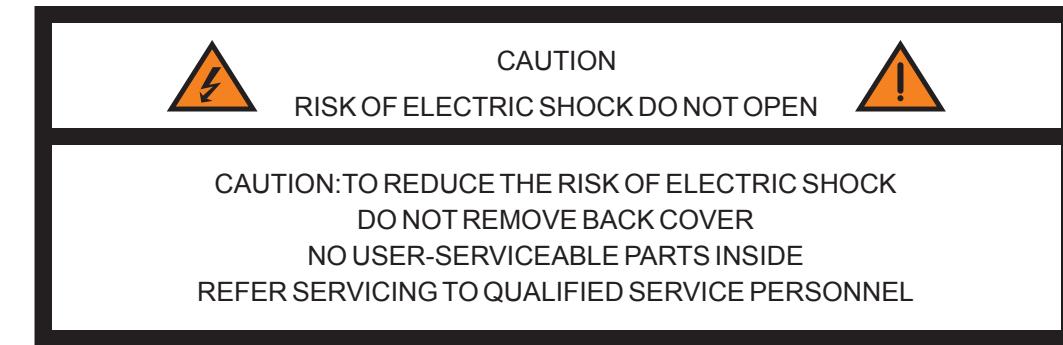
⚠ **Special Notice**

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

2.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.
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 BACK COVER
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 electronic 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.
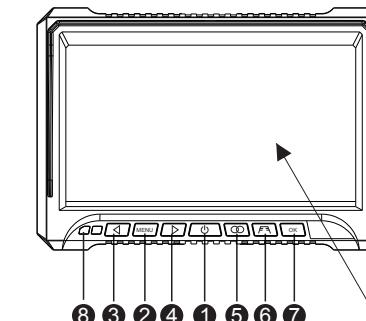
3.Specifications

LCD Size:	7 Inch Color Monitor
Resolution:	1024x3(RGB)x600
Brightness	900cd/m^2
Viewing Angle	U/D:85, R/L:85
Operating Frequency:	2.4GHz~2.4835GHz
Spread Spectrum	FHSS
RX Sensitivity	-85dBm
Transmitting Distance	1650ft line of sight
latency	160ms
Micro-SD Card	Holding up to 16G/32G/64G/128G SD cards
Video Compression	H.264
Video Format	MP4
Power Supply	DC 10-32V
Power Consumption	Max:6W
Operating temperature:	-20°C~+70°C
Storage temperature:	-30°C~+80°C
Size	184x128x26mm

4.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 simultaneous recording of video formats of cameras with up to 4 channels
5.Auto dim function available.
6.Support up to 4 wireless cameras
7.HD Resolution:720P.
8.Wide voltage input:DC10-32V

5.Functions of each part

❶ POWER
❷ Menu/Return
❸ ❹ Switch left and right /value addition and subtraction
❺ Switch video window
❻ Guide lines ON/OFF /Long press to adjust reversing
❼ Confirm/Record
❽ IR Sensor

❽❸❷❹❶❺❻❼

Digital Color LCD screen

6.Product packaging accessories:

1. Camera x 1
2. Camera bracket x 1
3. Camera power cable x 1
4. Camera antenna x 1
5. 7 inch monitor x 1
6. 7 inch monitor sunshade cover x 1
7. 7 inch monitor car charger x 1
8. 7 inch monitor antenna x 1
9. 7 inch monitor U-support bracket x 1
10. 7 inch monitor foldable & extendable bracket x 1
11. Thumb screws for monitor U-support bracket assembling x 4
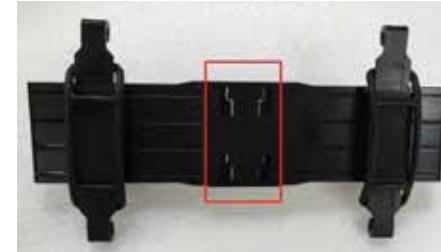12. Camera mounting screw accessories kit x 1
13. User manual

Installation
Install U-support bracket (No. 9) on 7 inch monito

1. Put U-support bracket on this way with small assembling hole on the top

2. With Thumb screws 4pcs(No. 11) to assemble U-support bracket on 7 inch monitor

Install foldable & extendable bracket(No.10) on 7 inch monitor

1. After successfully assemble U-support bracket on 7 inch monitor see below picture

2. Assemble foldable & extendable bracket(No. 10) to 7 inch monitor, pull up the head of the bracket to the toppest to lock it
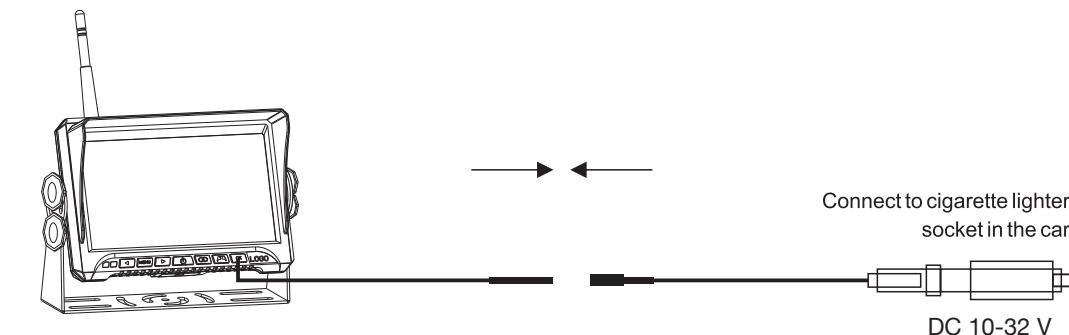
Screw out the button to extend the bracket

Press down the button to make sure suction cup stick firmly

7. **Wiring Instruction**
Connection:

Connect to cigarette lighter
socket in the car

DC 10-32 V

This is the most commonly used method for users who have the single camera system (one monitor and one camera). Connect the monitor with BMW connector adaptor. connect the DC connector of BMW connector adaptor to cigarette lighter. Power the monitor by vehicle 12V through cigarette lighter.
If you need parking lines display, you can easily switch camera display by Pressing Shortcut button 🄵🄴 For more cameras, extra cameras can be paired separately to monitor CAM1/CAM2/CAM3/CAM4;
Notice: Must be paired separately, finished one and then next one, cannot pair two cameras at the same time, Please refer to page 16 PAIRING
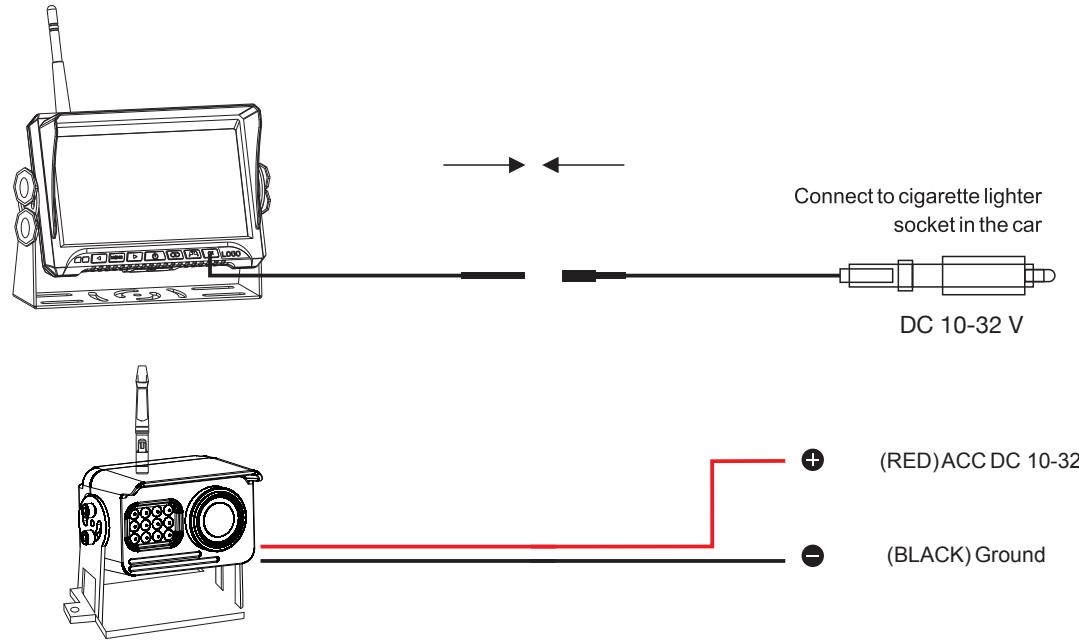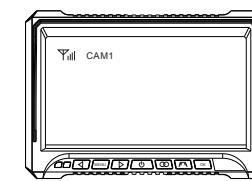
Getting Started

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.
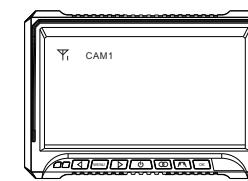
1. Please connect monitor and camera as below picture

Connect to cigarette lighter
socket in the car

DC 10-32 V

(RED)ACC DC 10-32V

(BLACK) Ground

2. Pairing the camera to the monitor, please refer to page 16 PAIRING.can be paired separately to CAM1/CAM2/CAM3/CAM4.
3. Put the monitor and the camera at the intended position to test signal strength.

CAM1

CAM1

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 be blocked.Please refer to below pictures

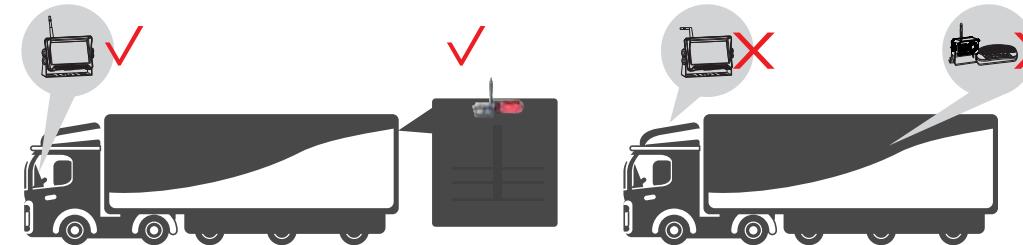×   ✓

Installation Position: Installation position: install the camera close to the vehicle's roof, keeping the antenna vertical or move the antenna outward 15-30 degree, avoid the antenna close to the metal surface of the vehicle, which will affect the signal strength.

Special Notice

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

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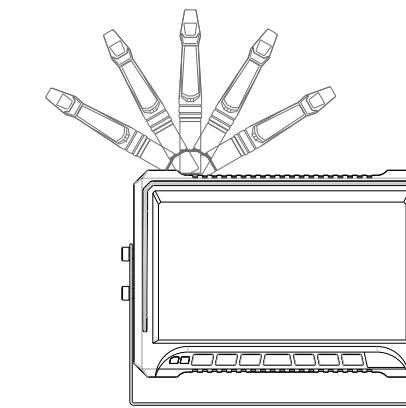
1)   Antennas should be vertically lined to the ground .Make sure there is no obstacle around antennas.
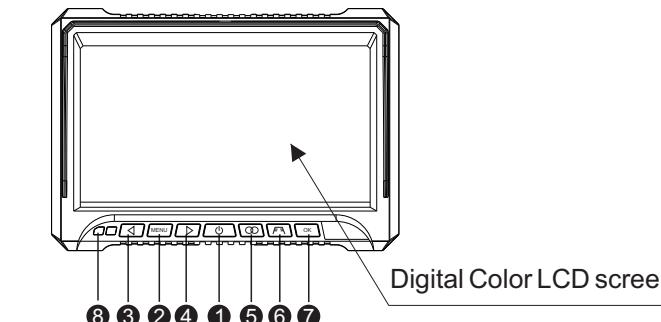
Antenna

If you get poor signal reception, or signal cannot reach at least 3 bars, please adjust the angle of antenna to find best signal reception position.

8. Menu

8.1 Button Function
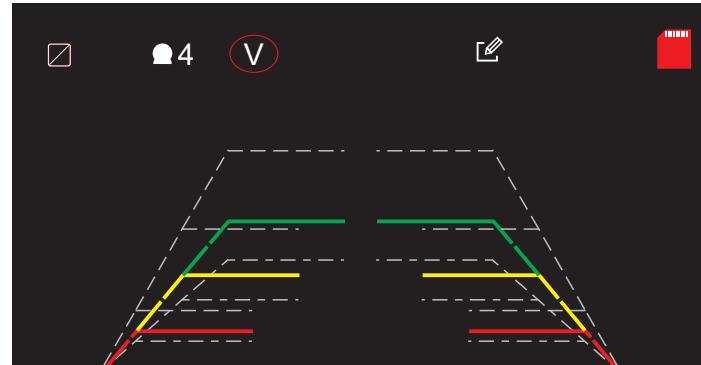

Digital Color LCD screen

❶   POWER

❷   Menu/Return

❸ ❹   Switch left and right /value addition and subtraction

❺   Switch video window

❻   Guide lines ON/OFF /Long press to adjust reversing

❼   Confirm/Record

❽   IR Sensor

▱ Button Function

1.Short press to open the reversing auxiliary line quickly, Short press again to close reversing auxiliary line.

2.Short press ▱ button to open reversing auxiliary line, long press ▱ button 3 seconds, screen will appear "V" character, then release button, press ◁▷ button, adjust the angle of reversing auxiliary line, adjustment finished, wait to quit automatically and saving. Or single press ▱ button to quit and save reversing line.
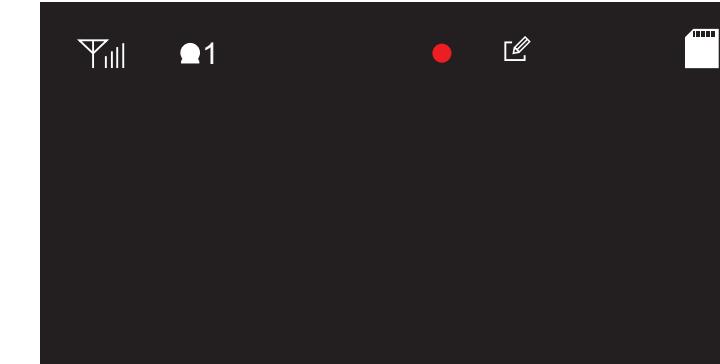

Note:

The split screen does not display the reversing line, Can't turn on the reversing line function on the split screen

OK / Confirm / Record

- Press OK button to enter menu item or save user settings.
- Press OK button-shortcut to start/stop recording

8.2 Definition of boot screen display
1)   The following screen will be displayed when power on

The top of the display screen displays some current working states of the equipment, which are arranged from left to right

1.1 Antenna Symbol: Represents the signal strength between current devices

1.2 camera number: represents the camera number connected to the current picture. support 4 cameras max.

1.3 recording indicator: when the recording function is turned on, the red dot icon starts to flash. When the recording stops, the red dot disappears

1.4 storage cycle coverage prompt: it means that after the video file is full, the system will automatically overwrite the file at the earliest time for cycle recording.

1.5 SD icon: While insert SD ,system can check the SD normally, Icon display

Please format SD Card when first using

8.3 Main Menu
    Press Menu button to the below interface.
8.4. PAIRING
Normally, the monitor is successfully paired with the backup camera before leaving the factory, factory
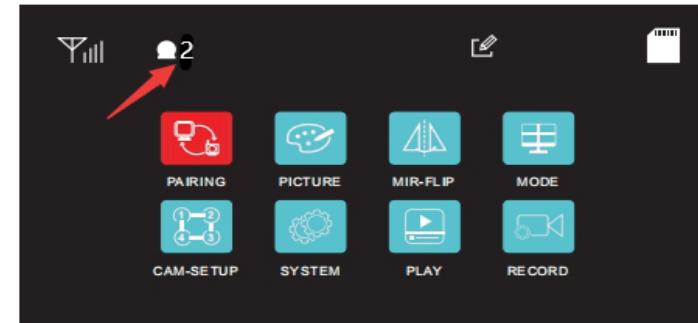   default successfully paired at the channel of CAM1.
Only below situations need to do pairing
    1. When the current camera needs to be replaced due to malfunction or damage, the new backup
            camera need to pair with the current monitor.
    2. Add new backup camera(max 4 cameras) for split screen display, new backup cameras need to
            pair with the current monitor.
    3. The current camera lost signal with current monitor, need to re-pairing the camera and monitor for
        well connection.
    Monitor and camera(with "PAIR" button on backside) pairing instructions
Please finish pairing before installation
1. First make sure to connect the power supply of the monitor and camera respectively, then short press
monitor ⚭ button to switch to CAM2 channel or CMA1/CMA3/CMA4 channel.
2. It will show CAM2 mark at the left top of monitor display like below picture

3. Short press monitor "MENU" [MENU] button to enter Menu, and select "PAIRING" [icon], short press monitor "OK" [OK] button to confirm, pairing starts, you will have 30 seconds for pairing. Then long press 3 seconds then release "PAIR" button on the backside of camera which need pairing, image will be displayed after pairing complete.
    Repeat above steps, and finish pairing of the rest cameras.
    1. Adding CAM requires one-to-one pairing after power-on
    2. Only after one camera is paired successfully, can the next camera be powered on and paired.
    3. Exchange the sequence of the display position of the CAM on the monitor, could power off the other cameras, and power on the paired camera and pair with the display position of the CAM on the monitor.
    4. When pairing successfully, short press
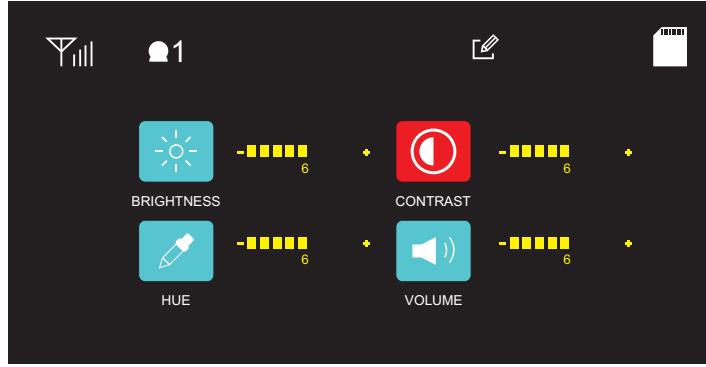   monitor ⚭ button to switch to split screen pictures
    Remarks: when pairing starts, you need to use the monitor to pair successfully within 30 seconds after the CAM is powered on, otherwise the CAM will automatically exit the pairing mode after 30 seconds, at this time, you need to disconnect the power of the CAM and re-power to pairing.

8.5. PICTURE
    This parameter is only valid for the currently connected CAM, For example, if you want to adjust the effect of CAM1, you need to switch to the CAM1 screen for this setting. This option cannot be set in the case of multi-picture division and not connected.
    1. 1) Press MENU button to switch to enter menu interface.
        2) Press "or" to select picture, Press "OK" to enter
        3) Press < or > to select BRIGHTNESS CONTRAST HUE VOLUME Press enter to confirm. Press "or" to
            adjust Bracket.

2. Press the OK button to enter the parameter that needs to be adjusted (the corresponding icon will become Red), you can adjust the parameters by pressing the left and right buttons;
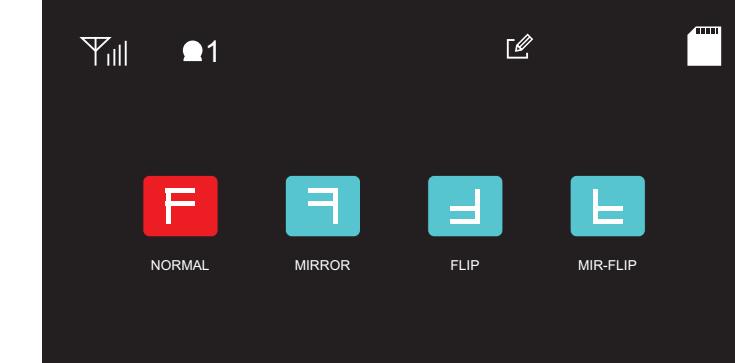
3. Menu key can exit the current option;

8.6. MIR-FLIP-> Screen flip function, You can set the orientation of the camera screen.

1) Press the menu button to switch, enter Menu interface. Press <or > to select image. Press OK button, enter camera setting.

2) Press <or> button, select NORMAL/MIRROR/MIR-FLIP/FLIP.

3) Back to the menu key to exit the current option;
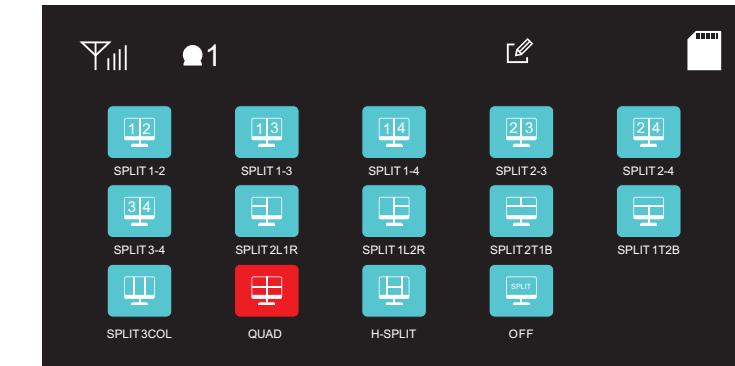
   Note: This parameter is only valid for the currently connected CAM, for example, if you want to adjust For the effect of CAM2, you need to switch to the CAM2 screen for this setting.This option cannot be set when multi-picture division and not connected
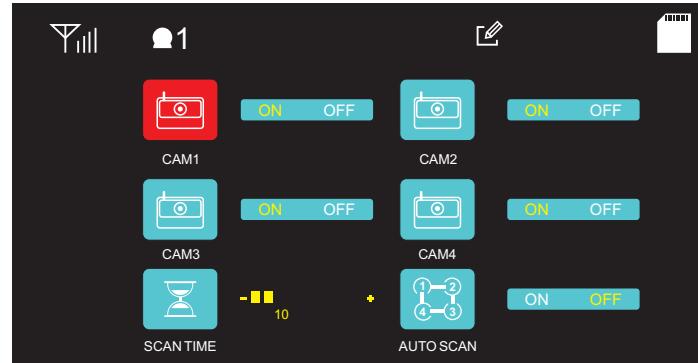
8.7 MODE-> multi-picture division mode selection

1)Press"menu"button to enter menu interface.

2)Press<or >button, select display mode.

3)Select CAM in OFF state in CAM SETUP, and switch the related segmentation mode in this screen will not be able to select. For example, if CAM2 is set to OFF, then the options in the 1/2, 2/3, 2/4 segmentation cannot be selected.
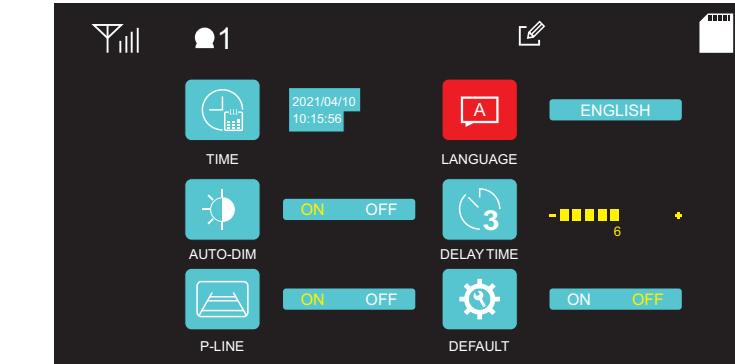
8.8 CAM-SETUP-> Camera switch and scan settings

1. Enter CAM-SETUP, The camera can be switched on and off, have CAM1-CAM4 option, Through ON/OFF to decide Whether to show on the display:For example select CAM2 to set OFF, Then in the single-screen, divided state, it involves CAM2 will be invalid and not displayed
2. SCAN-TIME, Set the duration of the screen preview, that is, the duration of the current screen,For example, if it is set to 10 seconds, the current screen will be displayed for 10 seconds before switching to the next screen Total are 5-15-20-25-30-35-40-45 several grade
3. AUTO SCAN, Setting whether to open the preview mode, when the mode is selected as ON,the screen will start to switch automatically according to the set SCAN TIME.For example, the current CAM1, SCAN TIME is set to 10 seconds, then it will automatically switch to CAM2-CAM3-... after 10 seconds. Continuous cycle
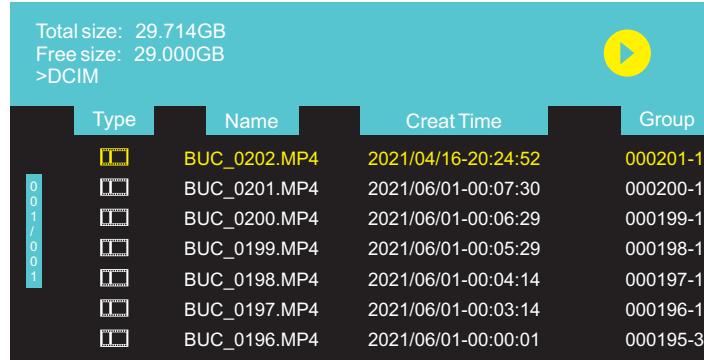
8.9 SYSTEM->SYSTEM SETTING

1. TIME->SETTING SYSTEM TIME
2. LANGUAGE-> Set the system language, a total of 8 languages can be set, namely: Chinese,English, Spain, Germany, Italy, Russia, Japan, France;
3. AUTO-DIM-> Automatic light sensitivity, the display will adjust brightness and darkness according to external light, After turning on this function, the brightness adjustment in the shortcut menu of the left and right buttons will not be available
4. DELAY TIME-> Picture delay time, after reversing trigger, continue to display trigger CAM, The time can be set between 1-20 seconds
5. P-LINE
   1)Press MENU button to enter menu interface .Press<or>and OK button to enter PARK-LINE. display: To set the park line display in a certain channel of CAM. Press<or>button to select, press "OK" button to confirm.
   2)Turn on/off parking line

6. DEFAULT-> Restore the initialization, switch to ON, and press the OK button, the device will be Restore to the default settings, erase all the parameters that have been set

8.10 ▶ PLAY-> Video file playback

Total size: 29.714GB
Free size: 29.000GB
>DCIM

Type	Name
☐	100MEDIA

001/001

Total size: 29.714GB
Free size: 29.000GB
>DCIM

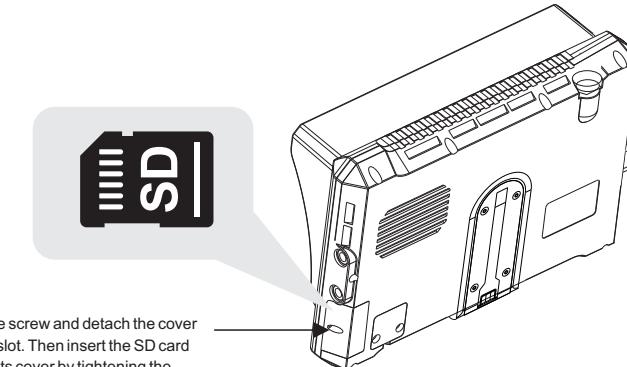| Type	Name	Creat Time	Group
☐	BUC_0202.MP4	2021/04/16-20:24:52	000201-1
☐	BUC_0201.MP4	2021/06/01-00:07:30	000200-1
☐	BUC_0200.MP4	2021/06/01-00:06:29	000199-1
☐	BUC_0199.MP4	2021/06/01-00:05:29	000198-1
☐	BUC_0198.MP4	2021/06/01-00:04:14	000197-1
☐	BUC_0197.MP4	2021/06/01-00:03:14	000196-1
☐	BUC_0196.MP4	2021/06/01-00:00:01	000195-3

001/001

1. Display the video content in the current memory card, you cannot enter this option without a memory card
2. Use the left and right buttons to switch, select the time period you want to play, and press the OK button to play the selected file, the return key can exit the current playback;
3. The interface will display the current SD card capacity and the remaining space, and the video file is in MP4 format

☐	BUC_0197.MP4	2021/06/01-00:03:14	000196-1
☐	BUC_0196.MP4	2021/06/01-00:00:01	000195-3

8.11 RECORD

1 Insert SD CARD

Remove the screw and detach the cover of SD card slot. Then insert the SD card and attach its cover by tightening the screw.
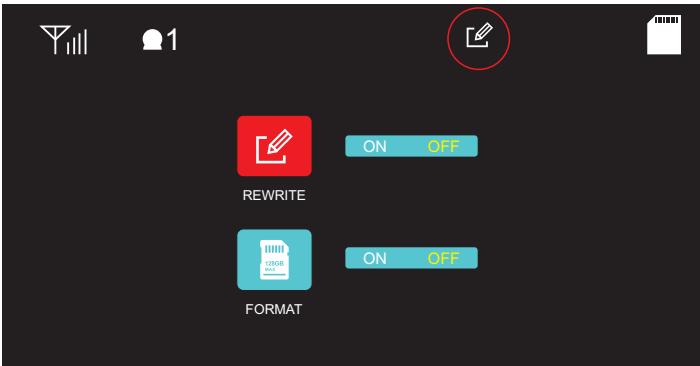
2)Format SD card

NOTE SD card must be formatted before using

Press MENU button to enter menu interface, and enter RECORD setting.
When COVER is turned on, overwrite function will be activated. Previous recorded video files will be overwritten when TF card memory is full.

After TF card 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 OK button to start

recording or pause recording.

8.12 REWRITE-> Auto overwrite setting, you can select whether to automatically overwrite when the storage is full
.If the function is enabled, an automatic overwrite prompt will appear at the top of the screen;
8.13 FORMAT-> Memory card initialization settings, you can set the memory card formatted
The card used for the first time or the memory card with modified storage format must be modified Initialization settings;
8.14 The minimum capacity of the device is 8G and the maximum capacity is 128G;
Reason for SD format / read failure
1.SD Card format corrupted
2.SD Card slot and hardware damage
3.SD Card pulling or loosening during card formatting
After formatting successfully
1. Automatically generate a hidden file related to file management. Remember not to delete, otherwise Rx
cannot recognized the SD card video file normally
2. Automatically generate DCMI folders
3. Automatically generate EMG folders within DCMI folders
4. You can perform subsequent screenshots, video recording and other operations
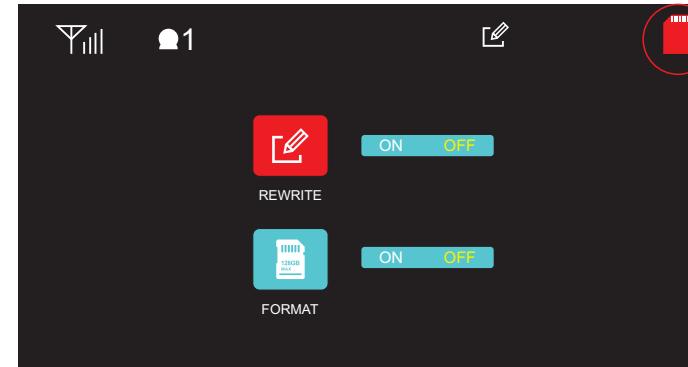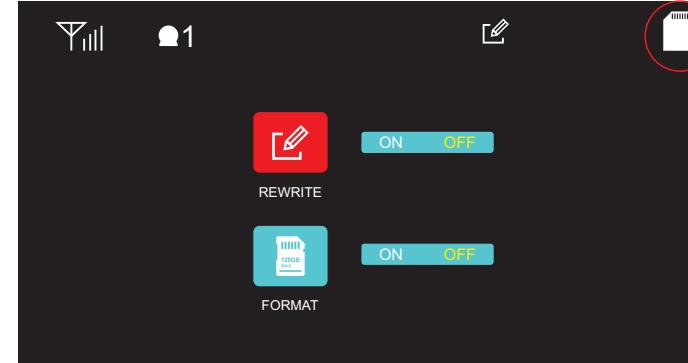5.SD card format is FAT32 or exFAT, and the allocation unit is 32K
6.EMG\TIMELAPS The folder is an empty file; 100sonix stores videos and photos
7.SD card is formatted as FAT32 or exFAT
8.When the memory card icon is blue, it indicates that the system has detected the SD card normally,
Red indicates that there is a card inserted, but the data cannot be written to the SD card. You can try the initial
operation SD card or restore factory settings
If there is no display here, it means that the SD card is not inserted

9. Trouble shooting

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

FAQ	Problem	Solution
Monitor no image	The positive and negative poles are connected in reverse	Cover the photo sensitive sensor of the camera by black object. if the LEDS turn red, the power cord has the correct polarity, otherwise the polarity is wrong ,please connect the power correctly
	Poor contact of power cord	Check the power connector is in good contact
	Vehicle supply voltage is not enough	Supply power to the camera with another power source, and use a multimeter to measure whether the voltage at the power cord connector is DC 10--32V
	Incorrect Pairing Operation	Please double check the pairing method, Refer to page "16"Please finish Pairing within 30 seconds, otherwise, pairing won't succeed.
	No signal/Weak signal	Dense objects and metal could be obscuring the signal. Please do remember pair the camera and monitor before installation .After that ,choosing a proper installation location according to the signal strength

	Antenna is Not Plug in	Before pairing ,please check if the camera and monitor antennas are fitted and plugged securely correctly
	Using Third Party Antenna	The third-party antenna does not match the camera and the monitor ,resulting in a weak wireless signal
Weak Signal	Obstructions in the installation location	Dense objects and metal could be obscuring the signal. choosing a proper installation location according to the signal strength.
	Antenna is NOT Plug in	Please check if the camera and monitor antennas are fitted and plugged securely.
	Antenna placed at incorrect angle	The antenna should not be close or parallel to the metal compartment. It should be at an angle to the metal compartment to reduce the shielding of the antenna.
	Multiple cameras are in dense in the same area	The cameras should not be too close to each other.
	Interference Nearby	Interference from electrical appliances may be affecting the wireless signal, like engine, generator, wireless devices. Turn off the appliances when using the system.

If above trouble shooting does not solve the problem, please contact us and provide the following information so that we can quickly and accurately analyze the problem.

(1) Picture of vehicle, and its length
(2) Picture of camera and monitor's position respectively
(3) Use a multimeter to measure the camera's input voltage, if within 10-32V