



**Digital Wireless
Backup Camera
7" Monitor
Kit**



120° Wide
View Angle

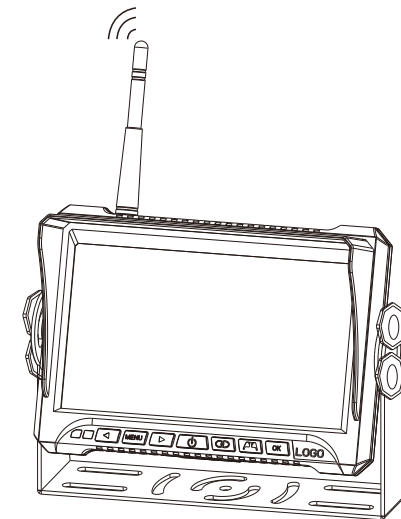
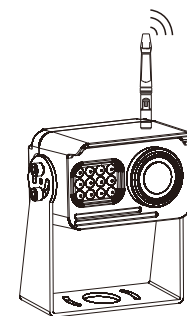
7.0" Color
Display

Smart
IR-CUT

2.4GHz Wireless
transmission

HD

FX909TR



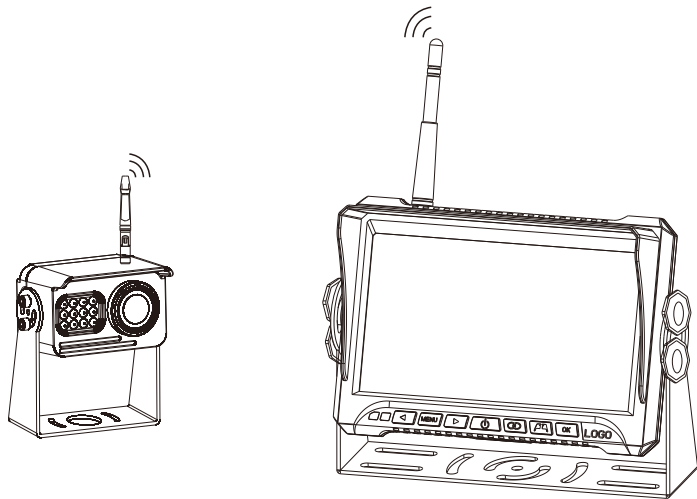
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Guangming District, Shenzhen, China
TEL: +86-755-27909433
FAX: +86-755-23009693
E-mail: info@szfxt.com
Website: www.szfxt.com



Made in China

size:210x150mm

Thanks for choosing digital wireless backup camera kit



Please read this manual carefully before installing the device.

introduction:

Thank you for purchasing our digital wireless backup camera system! With this manual you can install and operate this device correctly.

Digital wireless connection---this product uses the latest point-to-point wireless connection technology and it does not interfere with other wireless devices.

While this digital wireless backup camera system is installed in your car, the camera is powered by a wire connected to your reverse light and the monitor is powered directly from the cigarette lighter socket without any wires.

When the vehicle is reversing, the image behind the vehicle is transmitted to the monitor via wireless.

The digital wireless backup camera can help us observe the situation behind the car and the parking position by the monitor when reversing the car to provide reliable security for parking.



Points for Attention:

Please use this product within the specified voltage range.

Please pay attention to the positive and negative poles of the power cord. If the positive and negative sides are connected in reverse, it may burn out.

If smoke or burning smell is detected, please disconnect the power immediately.

Please wrap the cable with tape when connecting it.

Please fix the product firmly before use.

If you do not understand the installation process, please consult professionals.

Suggestions:

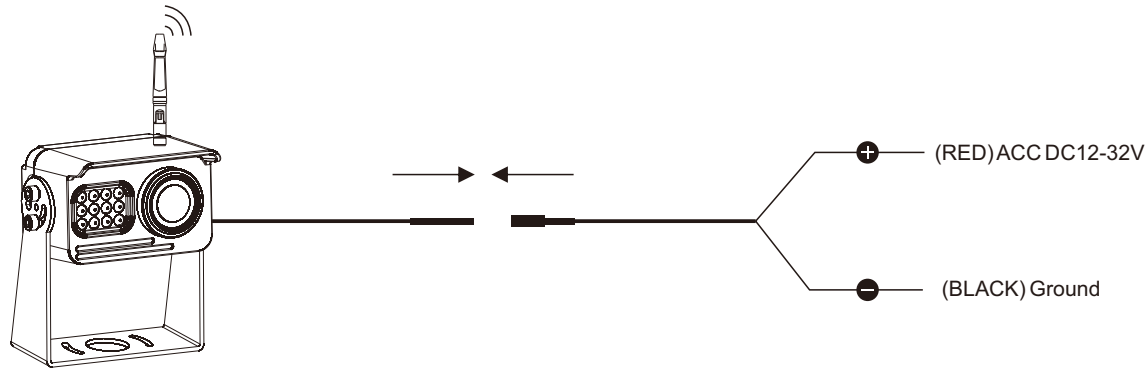
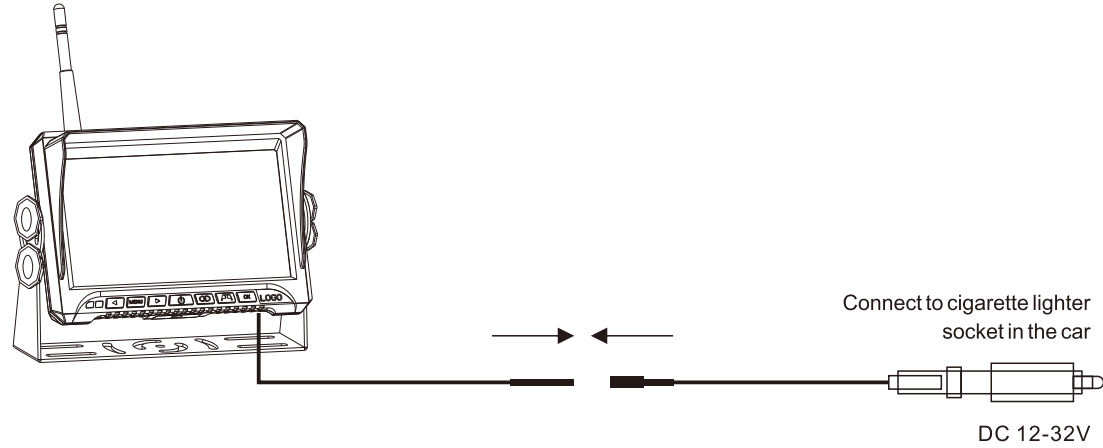
It is recommended to connect the power supply to do a temporary test before installation to ensure the normal work of the product.

If you have any questions, please contact us. Thank you

Product packaging accessories:

1. 7-inch monitor x1
2. Camera x1
3. 7-inch monitor car charger power cable x1
4. Camera power cable x1
5. 7-inch monitor mounting bracket x1
6. Camera fixing bracket x1
7. Camera mounting screw accessory kit x1
8. Mounting screw accessory kit for 7-inch monitor x1
9. Antenna x2
10. Manual x1

Connection:



Specifications:

Monitor:

LCD Size	7 Inch Color Monitor
Operating Frequency	2.4GHz~2.4835GHz
Transmission Distance	1650ft
Power Supply	DC+12V~+32V
Power consumption	450mA/12V
Built-in DVR recording	Holding up to 16G/32G/64G/128G SD cards
Brightness	900 cd/m ²
Channel	4 Channel Max
Resolution	1024x600
Operating temperature	-40°C~+70°C
Storage temperature	-40°C~+80°C
Size	184x129x26mm

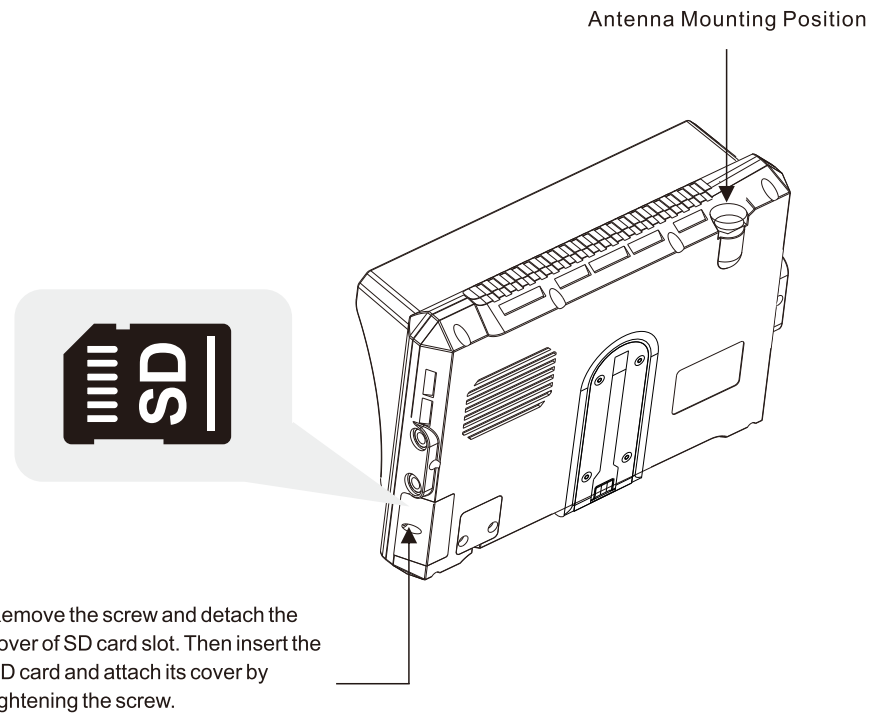
Camera:

Operating Frequency:	2.4GHz~2.4835GHz
Power Supply:	DC+12V~+32V
Power consumption:	150mA/12V
Latency	Less than 200ms
Image Sensor:	1/2.7 " HD
View angle:	120°
IR Control:	Smart IR-CUT 650nm Day/850nm Night Auto
IP Class(Protection type):	IP69k,waterproof
Operating temperature:	-40°C~+70°C
Storage temperature:	-40°C~+80°C
Size	78x64x50mm

Product Installation:

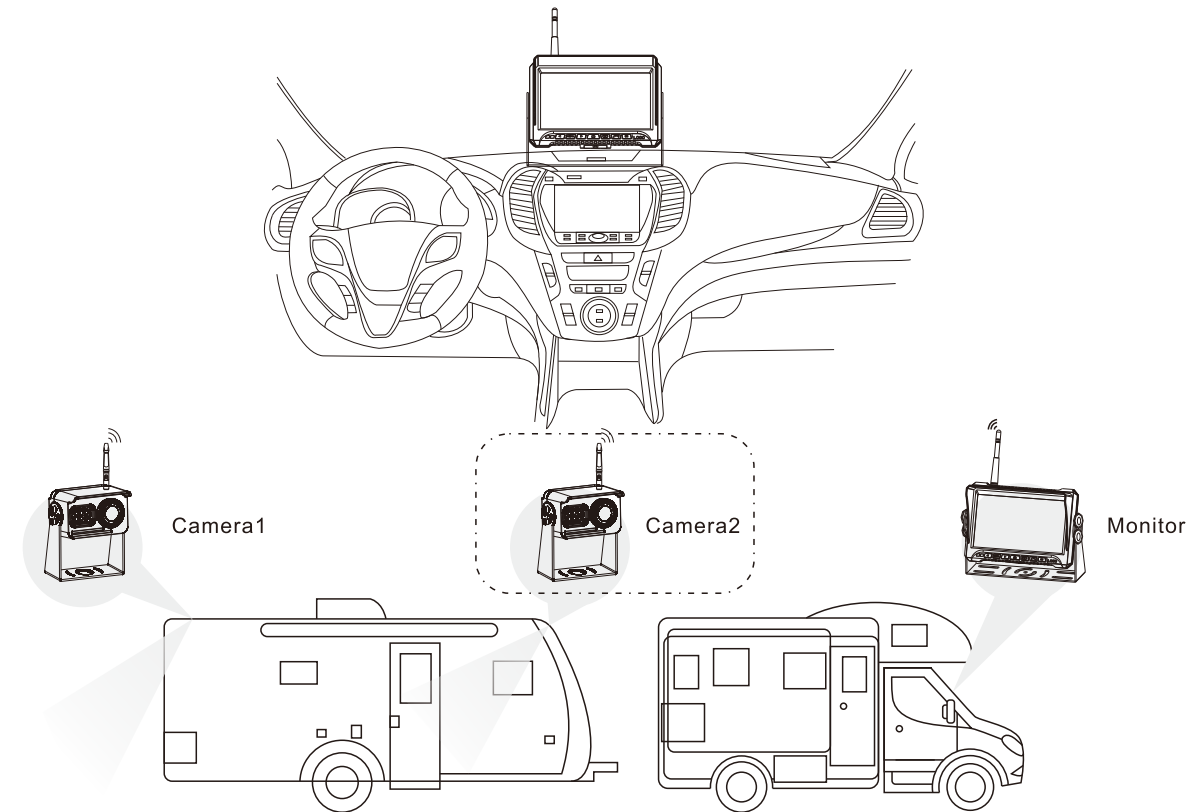
Monitor stand installation and SD card insertion:

1. Slide the bracket into the slot at the back of the monitor, adjust the viewing angle suitable for yourself and lock it tightly.
2. Open the SD card slot cover, insert the SD card, and close the SD card slot cover, then lock it.



Fixed Position:

Fix the camera position: choose several cameras based on your vehicle type(max 4 cameras)



(Due to the different installation positions of different vehicle types, this picture is just for reference.)

Install the camera:

Step 1: Choose the location to fix the camera.

Step 2: If necessary, drill holes and screws to fix and thread in order to insert the camera cable into the vehicle.

Step 3: Find the positive and negative poles of the vehicle power supply DC 12/24V, carefully strip the wire, then connect the red positive wire of the camera cable to the positive pole of the vehicle power supply, and then connect the black wire of the camera to the negative pole of the vehicle power supply. After the connection is firm, wrap it with tape, pay attention to waterproof.

Step 4: After all the cables are connected, power on for a temporary test, and then do the follow-up work after confirming the normal work

Install the monitor:

Step 1: Choose the location to fix the monitor.

Step 2: Connect the monitor to the cable of the car cigarette lighter adapter.

Step 3: Insert the car cigarette lighter adapter into the car cigarette lighter socket, and place the monitor cable to avoid collision or endangering the safety of the vehicle and passengers.

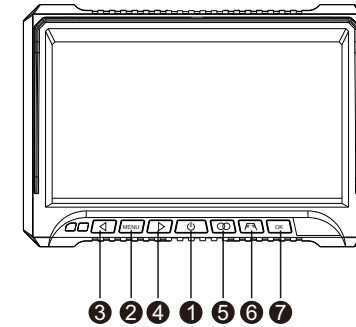
Step 4: After all the cables are connected, power on for a temporary test, and then do the follow-up work after confirming the normal work



Pay attention to safety

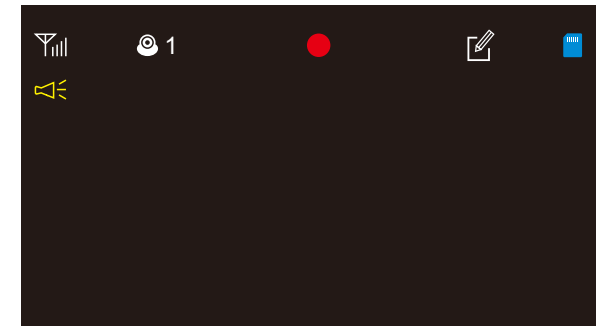
The position of the monitor should not affect the driver's field of vision! In addition, do not damage the function and operation of equipment, control units and systems in the car. Observe the laws and safety regulations applicable to the vehicle!

Button function introduction:



- ① POWER
- ② Menu/Return
- ③ ④ Switch left and right /value addition and subtraction
- ⑤ Switch video window
- ⑥ Guide lines ON/OFF
- ⑦ Confirm/Record

Introduction of icon on the monitor:



The top of the screen shows the current working status of the device.

From left to right:

1. Antenna symbol: represents the signal strength between the current devices
2. Camera number: represents the camera number connected to the current screen
3. Video indicator: When the video recording function is turned on, the red dot icon starts to flash, and when the video stops, the red dot disappears
4. Storage cycle coverage reminder: When REWRITE is turned on in the record menu, this icon will appear, which means that after the recording file is full, the system will automatically start to overwrite the file from the earliest time and perform cycle recording.
5. SD icon: When the SD card is inserted, the system normally detects the SD card, and this icon is displayed.
6. Speaker icon: it means that the current CAM has an open sound (this version does not support the sound function)

Product instructions:

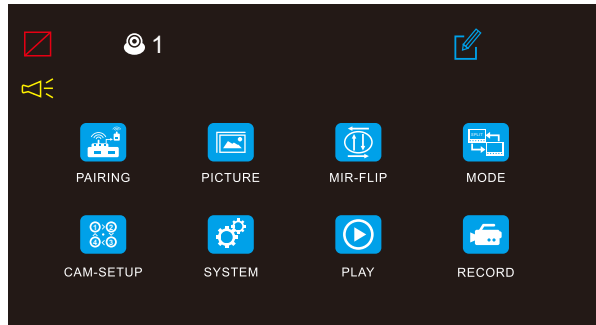
1. Monitor status:

After plugging the car charger into the car's cigarette lighter socket, just start the car to turn on the monitor. When the camera is not turned on, the monitor will light up for about 6 seconds, and it will automatically shut down and enter standby without operation, and the monitor power indicator will light up in red. The monitor goes into hibernation.

When reversing, the camera power will be turned on to establish connection with the monitor, the monitor will be opened automatically, the indicator light of the monitor will light up in blue, and no operation indicator light will go off 6 seconds after reversing.

Menu operation introduction:

Press MENU to enter the main menu, press ◀▶ to switch the left and right, press OK to confirm, press MENU to return.

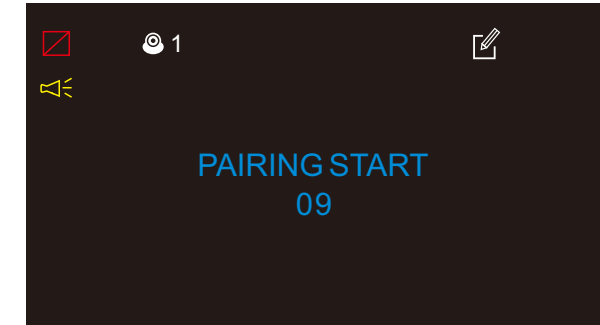


- | | | | |
|-------------|-----------|------------|----------|
| 1.PAIRING | 2.PICTURE | 3.MIR-FLIP | 4.MODE |
| 5.CAM-SETUP | 6.SYSTEM | 7.PLAY | 8.RECORD |

Menu interface introduction:

1.PAIRING

After opening the menu, press the OK button, the screen displays PAIRING START, and the remaining time of the pairing state is displayed at the same time. You can stop pairing by pressing the return button. (normally it has been paired at the factory)



Menu interface introduction:

1.1 Pairing

Normally, the monitor is paired with the backup camera before leaving the factory, and you can find them in the same package. It is limited to pairing with a new backup camera when the old camera needs to be replaced due to malfunction or damage.

Make sure that the camera and monitor are turned on, then press the MENU button to enter the main menu, and press the PAIRING button to pair.

Pairing instructions:

- 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.

Remarks: When pairing, 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.

2. PICTURE- image and other parameter settings: contrast, saturation, brightness, volume

- 2.1 After entering the PICTURE interface, use the left and right buttons to switch to the parameter icon that needs to be adjusted (the selected icon will turn yellow);
- 2.2 Press the OK button, you can enter the parameter that needs to be adjusted (the corresponding icon will turn red), and you can adjust the parameter by pressing the left and right buttons;
- 2.3 The return key can exit the current option;

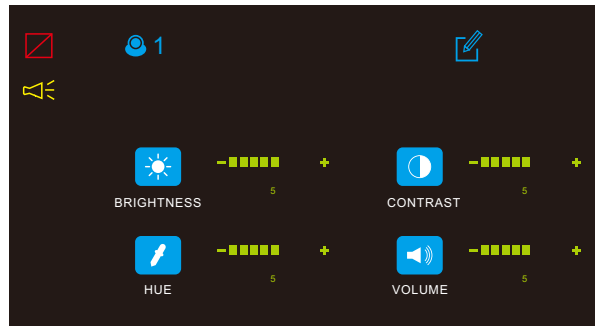
(Note: This parameter is only valid for CAM that is currently connected. For example, if you want to adjust the effect of CAM2, you need to switch to the CAM2 screen for this setting. This option cannot be set if there are multiple screens and not connected.)

BRIGHTNESS: adjust the brightness parameters of the picture

CONTRAST: adjust the contrast of the picture

HUE: adjust the saturation of the picture

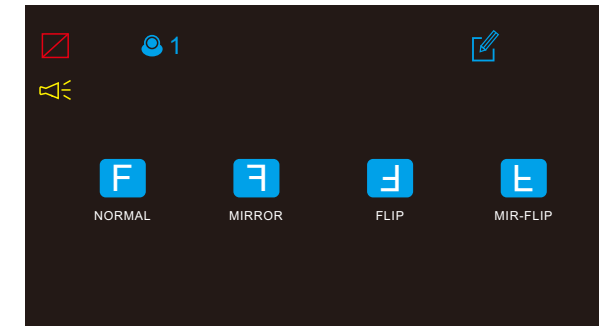
VOLUME: adjust the volume of the sound



3. MIR-FLIP-Screen flip function, you can set the direction of the camera screen.

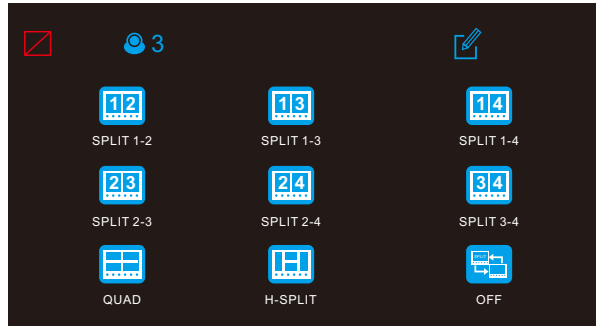
- 3.1 After entering the MIR-FLIP interface, use the left and right buttons to switch to the parameter icon that needs to be adjusted to select the desired camera screen direction (the selected icon will turn yellow).
- 3.2 Press the OK button, you can enter the parameter that needs to be adjusted (the corresponding icon will turn red), and you can use the left and right buttons to adjust the desired screen flip form.
- 3.3 The setting parameters here are for the camera, that is to say, the rotation of the picture is reserved in the current camera register. If the camera is changed midway, the direction will also change with the parameters in the camera.
- 3.4 The return key can exit the current option;

(Note: This parameter is only valid for CAM that is currently connected. For example, if you want to adjust the effect of CAM2, you need to switch to the CAM2 screen for this setting. This option cannot be set if there are multiple screens and not connected.)



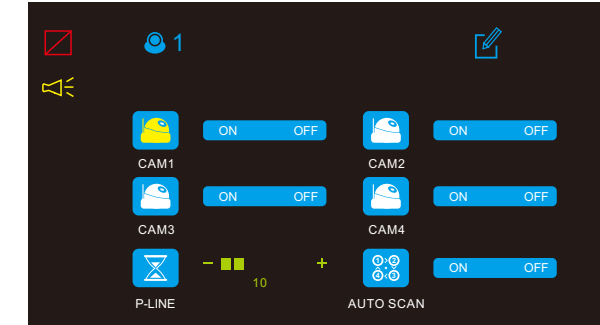
4.MODE-screen grid mode

- 4.1 According to the CAM ON/OFF setting in CAM-SETUP, different partition modes can be selected (1+2, 1+3, 1+4, 2+3, 3+4, quad, H partition).
- 4.2 If the CAM of OFF is selected in CAM Setup, the grid mode related to it will not be selected in this interface. For example, if CAM2 is set to OFF, the grid options of 1/2, 2/3, and 2/4 will be gray and cannot be selected.



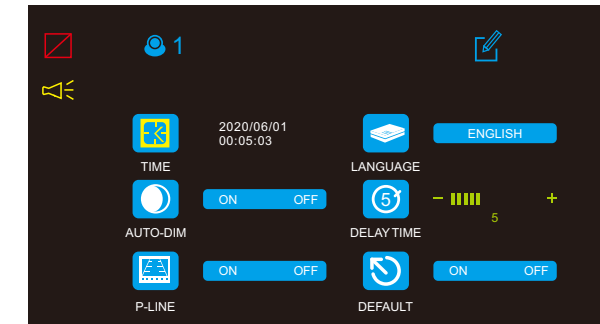
5.CAM-SETUP-camera ON/OFF and preview settings

- 5.1 After entering CAM-Setup, the camera can be switched ON and OFF. There are CAM1-CAM4 options. ON/OFF is used to decide whether to display on the monitor side.
- For example, if CAM2 is set to OFF, then in the single screen and grid state, all related to CAM2 will be invalid and not displayed.
- 5.2 SCAN-TIME, set the duration of the screen preview, that is, the duration of the current screen.
- For example, set to 10 seconds: switch to the next screen after the current screen is displayed for 10 seconds.
- There are 5-15-20-25-30-35-40-45 grades for you to choose from.
- 5.3 AUTO SCAN, set whether to open the preview mode. When the ON is selected, the screen will start to switch automatically according to the set SCAN TIME.
- For example, if the current CAM1, SCAN TIME is set to 10 seconds, it will automatically switch to CAM2-CAM3-... after 10 seconds. Continuous cycle.



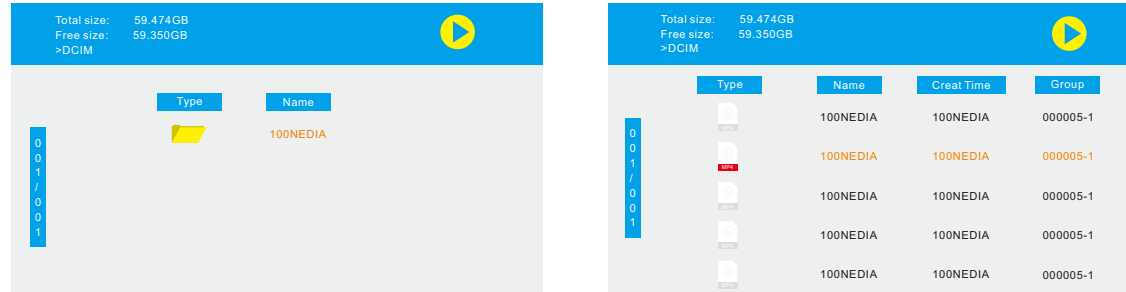
6.SYSTEM

- 6.1 TIME-Set system time.
- 6.2 LANGUAGE-Set the system language, a total of 8 languages can be set: English, French, German, Italian, Spanish, Russian, Japanese.
- 6.3 AUTO-DIM-Automatic 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.
- 6.4 DELAY TIME-Screen delay time, after reversing trigger, continue to display the time of triggering CAM, which can be set between 1-20 seconds.
- 6.5 P-LINE-Set the Guide Line ON/OFF.
- 6.6 DEFAULT->Restore initialization, switch to ON, and press the OK button, the device will be restored to the default settings, and all the parameters that have been set will be erased.



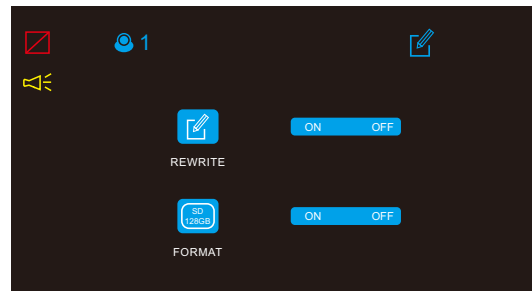
7.PLAY- video playback

- 7.1 Enter the PLAY menu to display the video content in the current memory card, which can be played back.
- 7.2 Use the left and right buttons to switch, select the time period you want to play, press the OK button to play the selected file, and the return button to exit.
- 7.3 The interface will display the current SD card capacity and the remaining space.
- 7.4 The video file is in MP4 format.



8.RECORD

- 8.1 REWRITE- Automatic overwrite setting, you can choose whether to automatically overwrite when the storage is full. If it is turned on, an automatic overwrite prompt will appear at the top of the screen.
- 8.2 FORMAT-Memory card initialization settings, you can format the memory card.
(The card used for the first time or the memory card with modified storage format must be initialized)
- 8.3 The device supports up to 128G memory card.



Troubleshooting:

Error/Fault	Possible Reasons/ Solutions
No picture	Check whether the power supply of the monitor and camera is properly connected
No signal	Whether the camera power connection is correct or loose. Try to pair the monitor with the camera again.

Warranty and service:

One Year Warranty To Cover any hardware Issues. First Class best support for all customers.
All emails would be replied in 24 hours, and 100% satisfaction guaranteed.

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 on guarantee the interference will not occur in a particular installation. If this equipment does 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 the receiving antenna.

-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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.