Product manual

Please read the manual carefully before using it.

Catalog

1　Note

(1) Please read the manual carefully before using this product, please keep the manual for future reference.

(2) User is prohibited to remove the product and the quality of the product caused by the disassembly of the product is not within the scope of the guarantee.

(3) The quality of products caused by the use of third party parts is not within the scope of the guarantee.

(4) The product is a monitoring product. Users did not properly save the monitoring video cause personal privacy leak problem or be held liable; the product manufacturing company is not responsible.

2　product specifications

Wireless parameters: 24CH, 2.4GHz

Screen size: 7 inches

Screen resolution: 800 x 3 (RGB) x 480

Power parameters: 5V 1A DC

TV output: NTSC and PAL

Maximum supported storage capacity: 32G

Open transmission distance: 300m (984ft)

3　product usage scenarios

House wireless monitoring.

The office, shopping malls, shops, factories, warehouses and other places wireless monitoring.

4　products and components

Labels in figure:
- 2.4 G antenna
- 7 inches
- modification key
- back key
- selection key
- menu key
- power key
- WIRELESS DVR
- parameter label
- antenna head
- sound hole
- TF card
- DV 5V
- AV-OUT
- sucker clasp
- bracket
- tamper proof label
- 2.4 G antenna
- waterproof shell
- 3.6 mm lens
- infrared lamp board
- 360 ° fixed bracket
- antenna head
- power cable
- pairing key
- 360 ° fixed bracket
- DC 5V Power Supply
- 2.4 G antenna
- TV output line

5   products commonly used functions and settings

5.1 Monitor user interface and key functions (shortcut keys) definition

Host boots, LCD display lights. LCD display shows no information or shows camera monitoring image, such a screen display interface is called the monitoring interface.

Single camera monitoring interface and four camera monitoring interface, as shown in the following figure.


"⏻" **icon button (called power key):** In the monitoring interface, a short press, enter or exit from the host speaker volume settings interface and the host LCD screen brightness settings interface. In the monitoring interface, press 3 seconds to start or shut down.

"≡" **icon button (called menu key):** In the monitoring interface, short press, enter main menu interface. In the monitoring interface, press 3 seconds, start manually or stop manually the video recording.

"⇌" **icon button (called selection key):** In the monitoring interface, a short press, select the next camera as the current camera.

"<" **icon button (called back key):** In the monitoring interface, a short press, enter the video file playback menu interface.

"⊞" icon button (called modification key): In a single camera monitoring interface, short press, change into multiple (2-4) camera monitoring interfaces. In multiple (2-4) camera monitoring interface, short press, change into the current single camera monitoring interface.

5.2 Menu user interface definition and key functions are definition

Host boot, LCD display lights, press the "☰" icon button (menu key), LCD Screen displays menu. Such a screen display interface is known as the menu interface. In the menu interface, the text illustrates the function of the corresponding buttons. The main menu interface is shown in the following figure.


"⏻" icon button (power key): In the menu interface, short press, exit from the current menu. In the main menu, short press, return to the monitoring interface. In the menu interface, press 3 seconds to start or shut down.

**"☰" icon button (menu key):** In the menu interface, a short press, display a sub menu item.

"⇌" icon button (selection key): In the menu interface, a short press, select the next menu item, when reaching the last menu item, short press, select the first menu item,Long press the key, selection item continues to change.

"<" icon button (back key): In the menu interface, short press, exit from the current menu. In the main menu, short press, return to the monitoring interface.

"⊞" icon button (modification key): In the menu interface, short press, increase the value of the object, when reaching the maximum value, a short press, change into a minimum value. Long press the key, object values continue to change.

5.3 Host startup

Host shutdown state, when the host connects to the 5V DC power, LCD display lights, and the host directly starts up. If the host has built-in battery, DC power charges the battery until full.

Host shutdown state, when the host does not connect to the 5V DC power supply, if host has built-in battery and power of the battery is enough, long press "⏻" icon button (power key) for 3 seconds , host starts up, battery supplies power to the host, LCD display lights.

5.4 Host shutdown

Host startup state, long press "⏻" icon button (power key) for 3 seconds, host shutdown。

5.5 Host menu language setting

The menu of this product host supports English and Chinese languages.

In the monitoring interface, short press "☰" icon button (menu key), enter main menu interface. Multiple short press "⇌" icon button (selection key), select "system settings" menu item, as shown below.

Short press "☰" icon button (menu key), enter "system settings" submenu, multiple short press "⇌" icon button (selection key), select the menu item "language", as shown below.

Short press "☰" icon button (menu key), enter sub menu of the "language" menu, multiple short press "⇌" icon button (selection key), select "Chinese" menu item, or the "English" menu item, short press "☰" icon button (menu key), set menu language. After the success of the language setting, the menu text will be changed immediately to the language of the setting. As shown below.

Short press "＜" icon button (back key), exit from the current menu interface. In the main menu interface, short press, return to the monitoring interface.

5.6 Camera pairing setting

Only after the host (wireless receiver) and the camera (wireless transmitter) pairing success, the host LCD display could correctly show surveillance images taken by the camera.

In the monitoring interface, short press "☰" icon button (menu key), enter main menu interface. The default selection is "camera settings" menu item, as shown below.

Then short press "☰" icon button (menu key), enter the "camera settings" menu, the default selection is the "pairing" sub menu, as shown below.

Then short press "≡" icon button (menu key), enter the "pairing" sub menu, the default selection is 1st camera, as shown below.

Then short press "≡" icon button (menu key), the host and the 1st camera start pairing, at this time, immediately short press the pairing key on the power line of the 1st camera (please ensure that camera is connected with a DC 5V 1A power. If you are not sure which camera is the 1st camera, you can short press pairing key of each camera), as shown below.
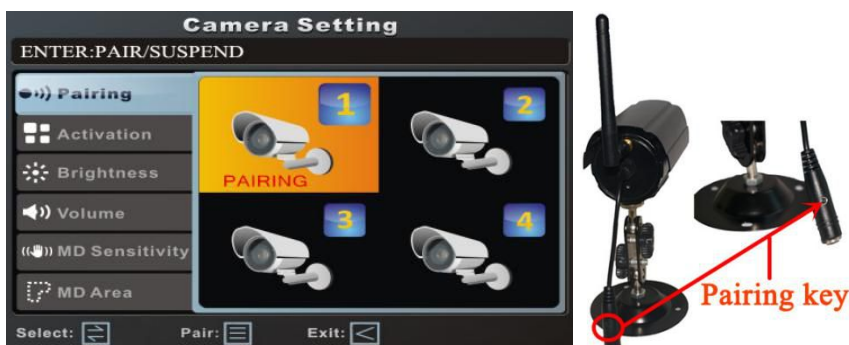
If the "pairing" menu interface of host shows "pairing time out", please repeat the above operation again for pairing. The success of the pairing menu interface for 1st camera is as shown below.

Short press "⇌" icon button (selection key), select another camera, repeat the above operation, complete the pairing operation of the host and other cameras.

5.7 Camera activation setting

Enter the menu item in order: the main menu - > camera set - > activation, you can turn on or off the camera monitoring functions.

5.8 Host system time setting

Enter the menu item in order: the main menu - > system settings - > time setting, press "⊞" icon button (modification key), modify the host system time.

Year interval is limited between 2015 and 2036, every time short press "⊞" icon button (modification key), the year value increases 1 years, when the year reaches the maximum value 2036, short press, change the year value to minimum value 2015. Long press "⊞" icon button (modification key), change the year value continuously.

5.9 Host speaker volume and LCD display brightness setting

In the monitoring interface, short press "⏻" icon button (power key), enter or exit from the host speaker volume and the host LCD screen brightness settings interface.

In the host speaker volume and host LCD screen brightness settings interface, short press "<" icon button (back key), host the speaker volume increases a level. When the volume reaches the maximum value, short press "<" icon button (back key), change the volume to the minimum value. Long press "<" icon button (back key), change the volume to the minimum value.

In the host speaker volume and the host LCD display brightness settings interface, short press "⊞" icon button (modification key), the host LCD display brightness increases a level. When the brightness reaches to the maximum value, short press "⊞" icon button (modification key), change the brightness to the minimum value. Long press"⊞" icon button (modification key), change the brightness to the minimum value.

5.10 Change between single camera monitoring interface and multi camera monitoring interface

In a single camera monitoring interface, short press "⊞" icon button (modification key), change into multiple (2-4) camera monitoring interfaces, play camera monitoring sound of the current selection. Short press "⇌" icon button (selection key), select the next camera as the current camera, playing the current camera monitoring sound. When arrive at the end of the camera, short press"⇌" icon button (selection key) to select the first camera as the current camera.

In multiple (2-4) camera monitoring interface, short press "⊞" icon button (modification key), change into a single camera monitoring interface, play the camera monitoring sound. short press"⇌" icon button (selection key) to select the next camera as the current camera, play the current camera monitor sound, display the current camera monitor image. When arrive at the end of the camera, short press"⇌" icon button (selection key) to select the first camera as the current camera.

5.11 Manual recording

In the monitoring interface, press "☰" icon button (menu key) for 3 seconds, start manually or stop manually the video recording.

5.12 Record video file playback and deletion

In the monitoring interface, short press "<" icon button (back key),enter the video playback menu interface, The default selection is "video" menu item, short press "☰" icon button (menu key), enter the time information menu item, system shows the time information which the video

files belong to according to the date (year/month/day format (such as 2018/08/08)), hours (such as 7 am ~ 8 am), minutes and seconds (such as 08:08 ~ 18:08) order gradually. Press "⇌" icon button (selection key) to select the next time information menu item, when reach the last time information menu item, short press, select the first time information menu item. Press"<" icon button (back key) to select the previous time information menu item, when reach the first time information menu item, short press, select the last time information menu item.

Record video file playback: In the minutes and seconds (such as 08:08 ~ 18:08) time information menu interface, short press "☰" icon button (menu key), start playback of video files or pause playback of video files. In the video file playback interface, short press "⇌" icon button (selection key), play next video file directly. In the video file playback interface, short press "<" icon button (back key), play previous video file directly. In the video file playback interface, short press "⏻" icon button (power key), exit from the video file playback interface.

Record video file deletion: In the time information menu interface, short press "⊞" icon button (modification key), set delete tag on all of the video files corresponding to the time information menu item, then short press "☰" icon button (menu key) to execute delete operation.

6   product other funtions and setting

6.1 Camera setting

Pairing: Refer to the 5.6 chapter.

Activation: Refer to the 5.7 chapter.

Brightness: Adjust the monitor image brightness of current camera.

Volume: Adjust the monitor volume of current camera.

MD Sensitivity: Adjust the motion detection sensitivity of current camera.

MD Area: Select the area to close or to start motion detection function of current camera. Long press "☰" icon button (menu key),   close or start the motion detection function of multiple regions.

6.2 Record setting

Record Time: Set the record time length of video file stored in TF card. For example, set record time to 10 minutes, play time of each surveillance video file stored in TF card memory is 10 minutes long.

Date Stamp: Open or close Date watermark of the surveillance video.

Snapshot Quality: Set monitor image quality level.

Pre-Record: Open or close the pre recording function.

SD Over Write: Open or close the function which over writes SD card.

SD Format: Set whether to format the SD card.

6.3 Record trigger setting

Record Trigger Setting: First set the time period of video recording, and then set the video trigger mode such as MOTION(mobile detection), SCHEDULE(time recording), NONE(do not record at the time)), as shown in the following figure.

If the record trigger is not needed, it can be deleted.

6.4 System Setting

Time Setup: Set the system time: year, month, day, hour, minute.

TV Output: Use AV cable to connect host and TV, set TV display data format to show monitor image.

Power Saving: Set how long to enter the power saving mode, or turn off the power saving mode.

Camera switch interval: Set the time interval to switch the current camera to another camera.

Resolution: Set the recording video resolution and display resolution.

Language: Set menu language to Chinese or English.

Default setting: Confirm whether to enable default setting.

6.5 Alarm Switch

Turn on or turn off the alarm sound of low power and motion detection recording.

6.6 Image Zooming

Short press "三" icon button (menu key), switch between image zooming display interface and image normal display interface.

In the image normal display interface, short press "⇌" icon button (selection key), display image of another camera.

In image zooming display interface, press "<" icon button (back key), image moves along the horizontal direction to the left. When the most right side of the image displays, short press "<" icon button (back key), display the most left side of the image. Long press "<" icon button (back key), image moves along the horizontal direction to the left continuously.

In image zooming display interface, press "田" icon button (modification key), image moves along the vertical direction to the bottom. When the top of the image displays, short press "田" icon button (modification key), display the bottom of the image. Long press "田" icon button (modification key), image moves along the vertical direction to the bottom continuously.

In the image display interface, short press "⏻" icon button (power key), exit from the image display interface, return to the main menu interface.

6.7 SD card capacity display and firmware upgrade

Display SD card available capacity and upgrade the host firmware. Upgrade host firmware is only suitable for factory debug firmware, customers are prohibited to use.

7 Troubleshooting guide

7.1 Host LCD display cannot light

(1) If it is in a power saving state, press any key, the display is turned on.

(2) Check whether the 5V DC power supply is power on. Determine the 3.5mm cylindrical plug of the power adapter has been properly inserted into the host 5V DC socket. The two metal plugs at the other end of the power adapter is correctly inserted into the power socket, power socket is energized.

7.2 Host LCD display does not show monitor image

(1) Determining that the camera and the host antenna have been properly installed, poor signal will cause no image.

(2) Determining the host has been connected to the 5V DC power supply, LCD display lights.

(3) Determining the camera is connected to the 5V DC power supply.

(4) The host and the camera are paired, activated. Refer to the 5.6 chapter, the 5.7 chapter.

FCC Statement

This equipment has been tested and found to comply with the limitsfor a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates 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.

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

This device may not cause harmful interference, and this device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

FCC RF Radiation Exposure Statement

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