Wireless DVR Monitor

Operation Manual

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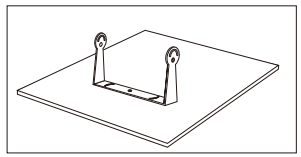
Warranty

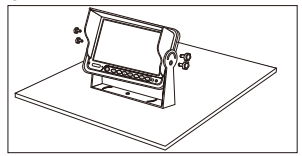
Thanks for use our products, we will offer the below service:
1. 12 months free charge maintenance warranty.
While below status, we will charge maintenance cost:
1) Can't offer purchase invoice;
2) Invoice was changed by buyer;
3) Accident or human damage;
4) Leader wire was cut down;
5) Product was opened without discuss with us;
6) More than warranty period.

Bracket Installation

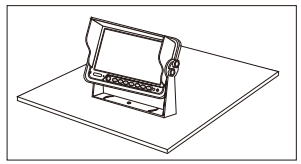
7" Model 2 and 9" Model 1: can choose the bracket:
Metal; U-Bracket

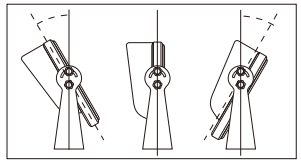
1. U-Bracket Installation
1) Use the screw fixed the U-bracket. Put the monitor into the bracket, adjust angle and locking it.



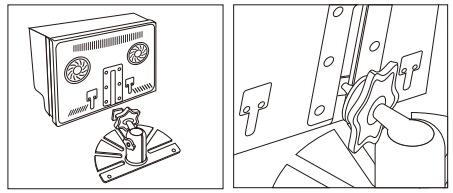


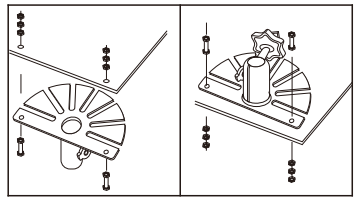
2) Finished the installation. Adjust the angle forward 30° to backward 30° .
User can adjust a suitable angle by oneself.

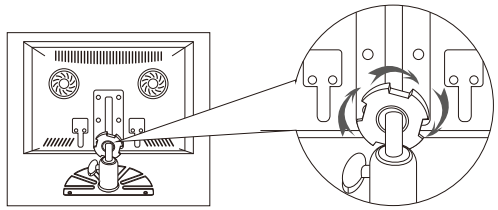




2. Plastic/Metal Bracket Installation
1) Firstly fixed the bracket via the screws, the screws of the top need lock to nut of under.
2) Secondly put the metal buckle piece on the top of the fan-shaped bracket into the notch at the back of the monitor.
3) Move the bracket to the proper location.
4) Screw down the nut of bracket, until the monitor fastening.







Wiring Diagram

Reversing Display:

When the green wire is activated, the monitor automatically switches to CAM1

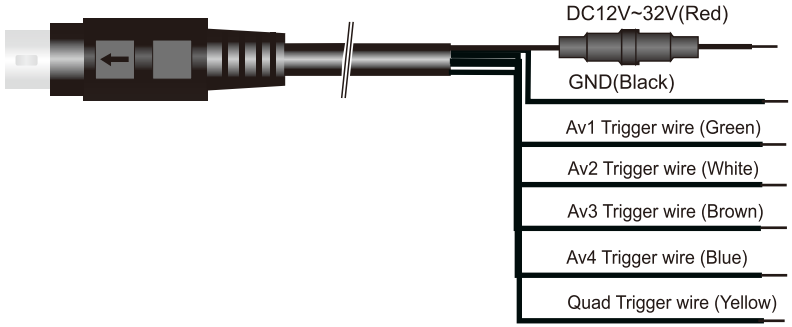
When the white wire is connected to the positive wire of the left turn light , the monitor automatically switches to CAM2(left side camera) when the left turn indicator is activated.

When the blue wire is connected to the positive wire of the right turn light, the monito automatically switches to CAM3(right side camera) when the right turn indicator is activated.

When the brown wire is connected to the positive wire of back-up light, the monitor automatically switches to CAM4 (back up camera) when the backup light is turned on. The distancing grid will also be displayed.

When the yellow wire is connected to the positive wire, the monitor automatically switches to quad or split display. Connection depends on the application request.

Four way video inputs:



Preface

Thanks for your support. Our company stick the management philosophy of “Quality First, Honest Based!” , and based on meeting customer’s requirement and supplying high quality products, perfect after-sales service as our purpose, be absorbed in offer the best products.

To ensure long-term trouble-free service of the products, please read this manual carefully before using the product.

Notes:

1. Do not try to open the covers. It is a high precision product. Please close the power in time if anomalies.

2. Do not use organic solvent clear the covers, to avoid it peel off painting.

3. Do not enforce to the lead wire., to avoid damage or poor connect.

4. Keep the product out of the dirty, direct sun, high temperature and humidity condition.

5. Protect the product from fall down and shock.

6. Please wiring as diagram strictly, if wiring wrong will lead product can’t work and even damage vehicle electrical system.

7. Do not use any affect operation of driving.

8. Do not let the product working at higher or lower than the suitable temperature of machine.

For the sake of safety, please do not watch the video while driving, except driving assist video!

Features

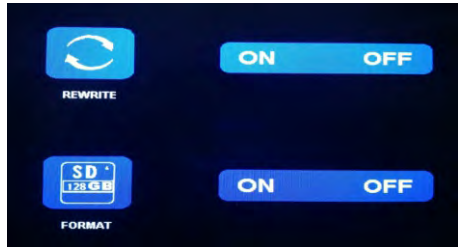
1. TFT LCD monitor with wide angle view and high resolution display.
2. NORMAL, MIRROR, FLIP and MIR-FLIP viewing available.
3. Split mode, auto scan mode and singledisplay mode available.
4. Auto pairing: Auto pairing happens when camera is activated.
5. Support 4 channel composite and singlechannel recording in AVI signal format.
6. Auto dim function available.
7. Full-function remote control.
8. 4 wireless camera input.
9. Multiple video formats: PAL / NTSC.
10. Wide voltage input: 10-12V
11. On-board speaker.
12. Auto switch to the working channel when trigger is activated

Technical Specifications

LCD size	7"
Resolution	800 x 3 (RGB) x 480
Contrast	500:1
Brightness	400 cd/m²
Viewing Angle	U: 50 / D:70, R/L: 70
Aspect Ratio	16:9
Channel	20CH
Operating Frequency	2400 - 2483.5 MHz
Receiving Sensitivity	-89 dBm
Decompression Form	MPEG4
Transmit Output Power	8DBM MAX
Modulation	2.4G FSK/GFSK
Time Delay	120ms
Transmitting Distance	30-120 M
SD Card	Max. 128G
System Format	PAL / NTSC
Power Supply	DC 10-32V
Power Consumption	Max. 6W
Loudspeaker	1.5W/8Ω
Operating temperature	-20~+70°C,RH90%
Storage temperature	30~+80°C,RH90%

Menu

(7) Press ◀ or ▶ to select RECORD, Press AV to enter

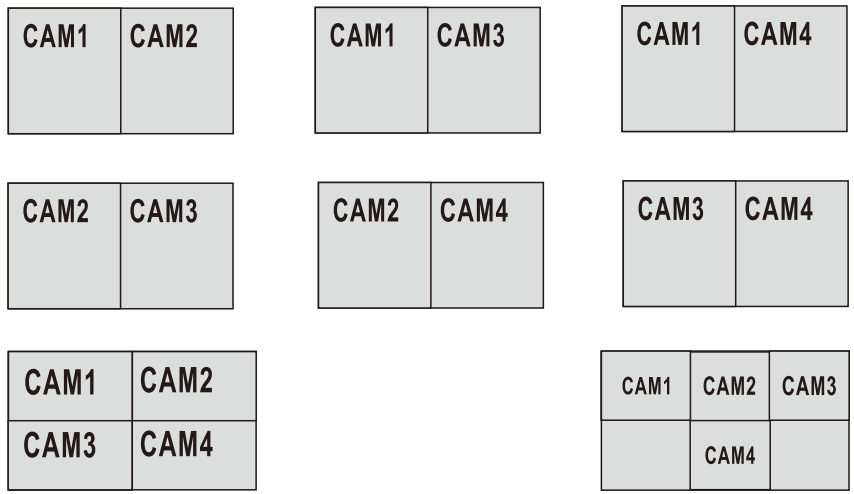


Press ◀ or ▶ to select REWRITE / FORMAT, and then press AV to enter the setting accordingly.When the icons turn red, press ◀ or ▶ on menu for selection decreasing or adding. Press AV to exit the menu. At the submenu, press M return to main menu.

REWRITE: When disk is full, the monitor will delete the earliest manual/timing record file one by one, and keep recording.

FORMAT :Micro SD card must be formatted before being used. All documents in TF card will be lost once users format the disk.

Display Mode



Menu

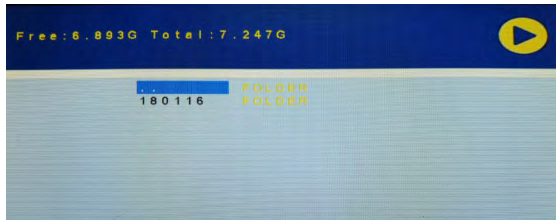
COLOR-SYS: Press ◀ or ▶ to select COLOR-SYS, Press AV to enter, Press ◀ or ▶ to select NTSC/PAL.

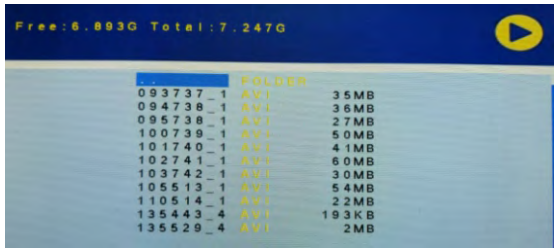
AUTO-DIM: Press ◀ or ▶ to select AUTO-DIM. Press AV to enter, and then press ◀ or ▶ to select ON/OFF. When it is on, the monitor will automatically turn darker when it is placed in dark environment for 5s.

P-Line press ◀ or ▶ to select ELETRONIC DISTANCE LABEL. Press AV to enter, and press ◀ or ▶ to select ON/OFF, to open or close the electronic distance label. When it is on, the electronic distance label will be displayed in Back channel.

Setting scale of DELAYTIME is 1- 20S, with the step time of 1s.

(6) Press ◀ or ▶ to select PLAY, Press AV enter.





Press ◀ or ▶ to selectrecording file,Press AV to enter playback mode.

Daily recording file can be searched under file folder named in format of YYMMDD. Each file folder includes the video files which are named in format of HHMMSS_Channel Source(1,2,3,4). For example, 180116 stands for year 2018, January. 16rd . 093737_1 stands for 09:37:37 am, Cam1. The recording file f ormat is AVI , maximum recording time for every single file will last for 10 minutes.

Recording Time

For the recording time of SD cards with different capacities, please refer to the table below. The actual recording time is subject to the operating environment.

TF / MODE	8G	16G	32G	64G	128G
SINGLE (640x480x1)	14h	28h	55h	110h	220h
QUAD (320x240x4)	11h	22h	43h	86h	172h
SPLIT (400x480x2)	13h	25h	50h	101h	201h

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 on OFF position.
No signal	Check whether the camera has power supply. Pair the monitor and the camera again.
No sound	Check whetherthe 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.

Keystroke Instruction

Remote Instruction

1 Power On

2 Mode

3 Analog Increase

4 Volume Down

5 Volume Up

6 Analog Decrease

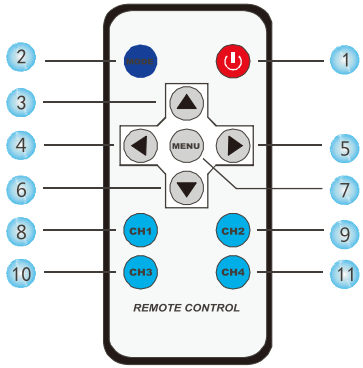
7 Menu

8 CH 1 (Video)

9 CH 2 (Video)

10 CH 3 (Video)

11 CH 4 (Video)



Menu

(4) Press ◀ or ▶ to select CAM-SETUP, and press AV to select

Press ◀ or ▶ to select CAM1/CAM2/CAM3/CAM4/SCANTIME, andrthe press **AV** to enter the setting accordingly. When the icons turn red, press ◀ or ▶ on menu for selection decreasing or adding. Press **M**:o exit the menu.

At the submenu, press **M** return to main menu.

If the channel is turned OFF, image of the corresponding camera will not be shown in AUTOSCAN display mode.

Setting scale of SCANTIME is 5- 45S, with the step time of 5s.

(5) Press ◀ or ▶ to select SYSTEM, Press **AV** to enter

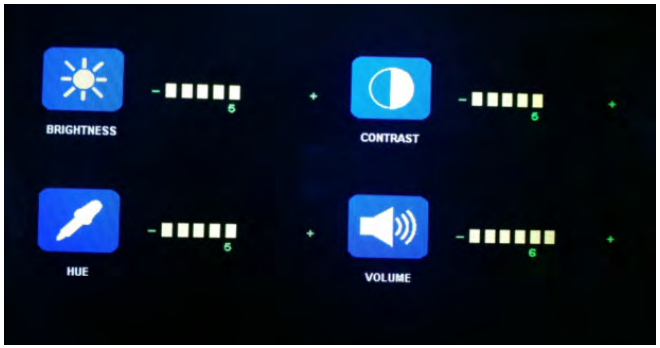
TIME : Press ◀ or ▶ to select TIME, Press **AV** to set. Press ◀ or ▶ for selection decreasing or adding. Press **AV** to continue the setting when finishing the previous operation.

LANGUAGE: Press ◀ or ▶ to select language, press **AV** to set.

Chinese; English; French; German; Italian; Spanish; Portuguese; Russian; Korean; Finnish; Dutch

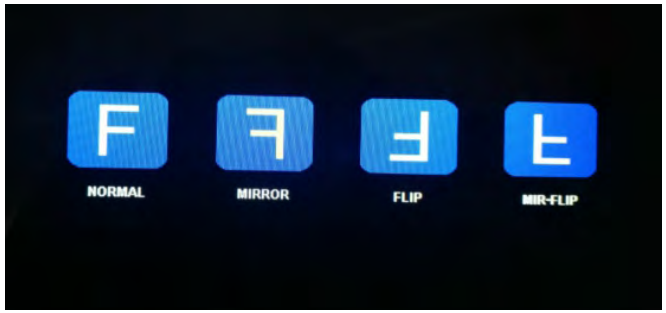
Menu

(2) Press ◀ or ▶ to select PICTURE, and press AV to enter the submenu



Press ◀ or ▶ to select BRIGHTNESS / CONTRACT / HUE / VOLUME,and then press AV to enter the setting accordingly. When the icons turn red, press ◀ or ▶ on menu for selection decreasing or adding. Press M to exit the menu. At the submenu, press M return to main menu.

(3) Press ◀ or ▶ to select MIRFLIP, and press AV to select

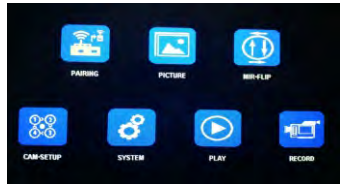


Press ◀ or ▶ to select NORMAL / MIRROR / MIRFLIP / FLIP. Press M return to main menu

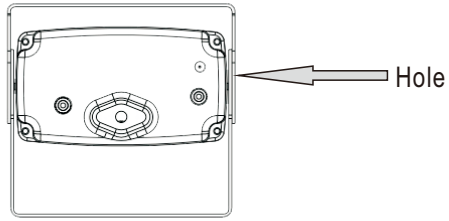
Menu

- MENU is allowed for operation under single image mode, not under quad view.
- Press M to displaythe following options and settings:

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



(1) Press ◀ or ▶ to select PAIRING, then press AV to enter.



Auto pairing:

1. Choose the channel that needs to be set up, and the monitor display the message "PAIRING START 50 " and a counter that counts down 50s.
2. Within the countdown, power the camera.
3. The monitor and cameras will synchronize themselves with each other after the camera is powered for 5s.
   For successful auto pairing, the picture appears. If pairing is unsuccessful, the monitor displays the message "No Signal" . Repeat the pairing procedure.

Manually pairing:

1. Choose the channel that needs to be set up, and the monitor display the message "PAIRING START 50" and a counter that counts down50s.
2. Press the pairing button on the power-on camera.
3. The monitor and cameras will synchronize themselves with each other.
   For successful auto pairing, the picture appears. If pairing is unsuccessful, the monitor displays the message "No Signal" . Repeat the pairing procedure

Warning:
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE：
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.

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.

RF exposure compliance statement:
This device has been evaluated to meet the general RF exposure requirement