

HD 4CH Waterproof Monitor AI System

User Manual & Installation Instructions



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



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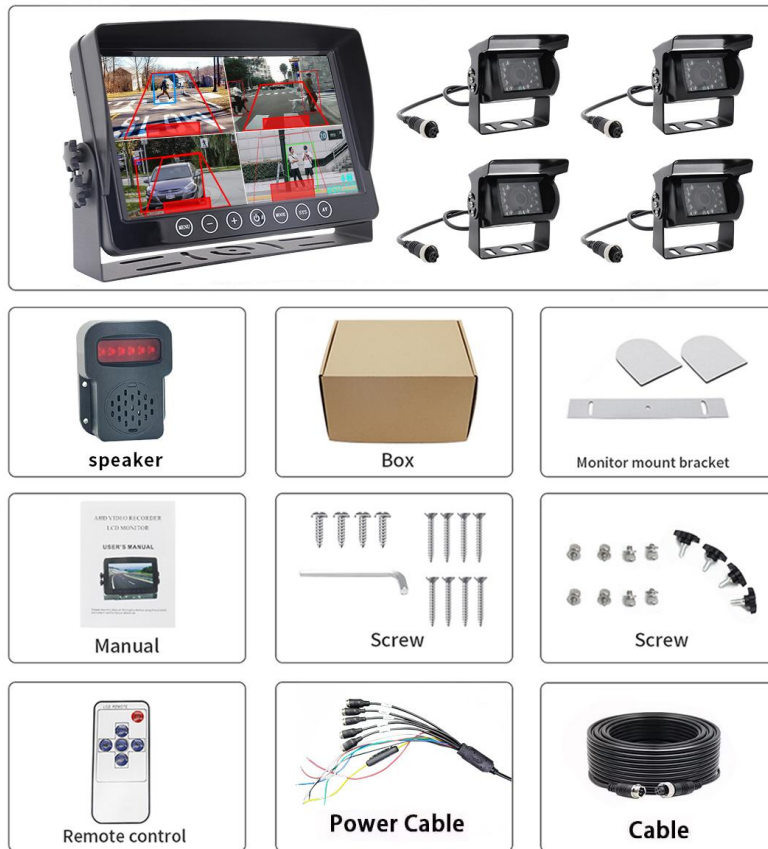


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PACKAGE CONTENTS



What You Get

Color CCD Weatherproof Wireless Backup Camera
7" Color LCD Monitor
Power cable
Sunshade
Universal Mount With Adhesive Pad
Screw Kit for Camera Installation
Camera extension cable
speaker

NOTE: The quantity and appearance of the cameras will vary depending on the product model.





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Seismic Contracting Co.

TABLE OF CONTENTS

INTRODUCTION

INSTALLATION

Camera Connection

Monitor Connection

OPERATION GUIDE

System Operations

Monitor Specification

Camera Specification

Troubleshooting

ONE YEAR WARRANTY

WARRANTY PERFORMANCE



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INTRODUCTION

NOTE!

Please read all of the installation instructions carefully before installing the product. Improper installation will void manufacture warranty.

Thanks on purchasing ours waterproof monitor AI System! With this manual, you will be able to properly install and operate the unit.

The Backup Camera System is intended to be installed as a supplement aid to your standard rear view mirror & driving recorder that already exists in your vehicle. The Backup Camera System should not be used as a substitute for the standard rear view mirror or for any other mirror that exists in your vehicle.

In some jurisdictions, it is unlawful for a person to drive a motor vehicle equipped with a TV viewer or screen located forward of the back of the driver's seat or in any location that is visible, directly or indirectly, to the driver while operating the vehicle.

Please read the entire manual and follow the instructions and warnings carefully. Failure to do so can cause serious damage and/or injury, including loss of life. Be sure to obey all applicable local traffic and motor vehicle regulations as it pertains to this product.

Improper installation will void manufacture warranty.

Usage:

- The Rear View Camera DVR System is designed to help the driver safety detect people and/or objects helping to avoid damage or injury. However, you the driver, must use it properly. Use of this system is not a substitute for safe, people or legal driving.
- Never back up while looking at the monitor alone. You should always check behind and around the vehicle when backing up, in the same way as you would if the vehicle did not have the Rear View Camera System. If you back up while looking only at the monitor, you may cause damage or injury. Always back up slowly.
- The Rear View Camera System is not intended for use during extensive back-up maneuvers or backing into cross traffic or pedestrian walkways.
- Please, always remember, the area displayed by the Rear View Camera System is limited. It does not display the entire panorama that is behind you.





INSTALLATION

- Electric shock or product malfunction may occur if this product is installed incorrectly.
- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.
- Take special care when cleaning the monitor.
- Make sure to firmly affix the product before use.
- If smoke or burning smell is detected, disconnect the system immediately.
- Where the power cable may touch a metal case, cover the cable with friction tape. A short circuit or disconnected wire may cause a fire.
- While installing the Rear View System be careful with the wire positioning in order to avoid wire damage.
- Do not watch movies or operate the monitor while driving; as it may cause an accident.
- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.
- Dropping the unit may cause possible mechanical failure.

Before drilling please check that no cable or wiring is on the other side of the wall. Please clamp all wires securely to recycle the possibility of them being damaged while vehicle is in use. Keep all cables away from hot/moving parts and electrical noisy components.

We recommend doing a benchmark test before installation to insure that all components are working properly.

Step 1: Choose the monitor and camera locations.

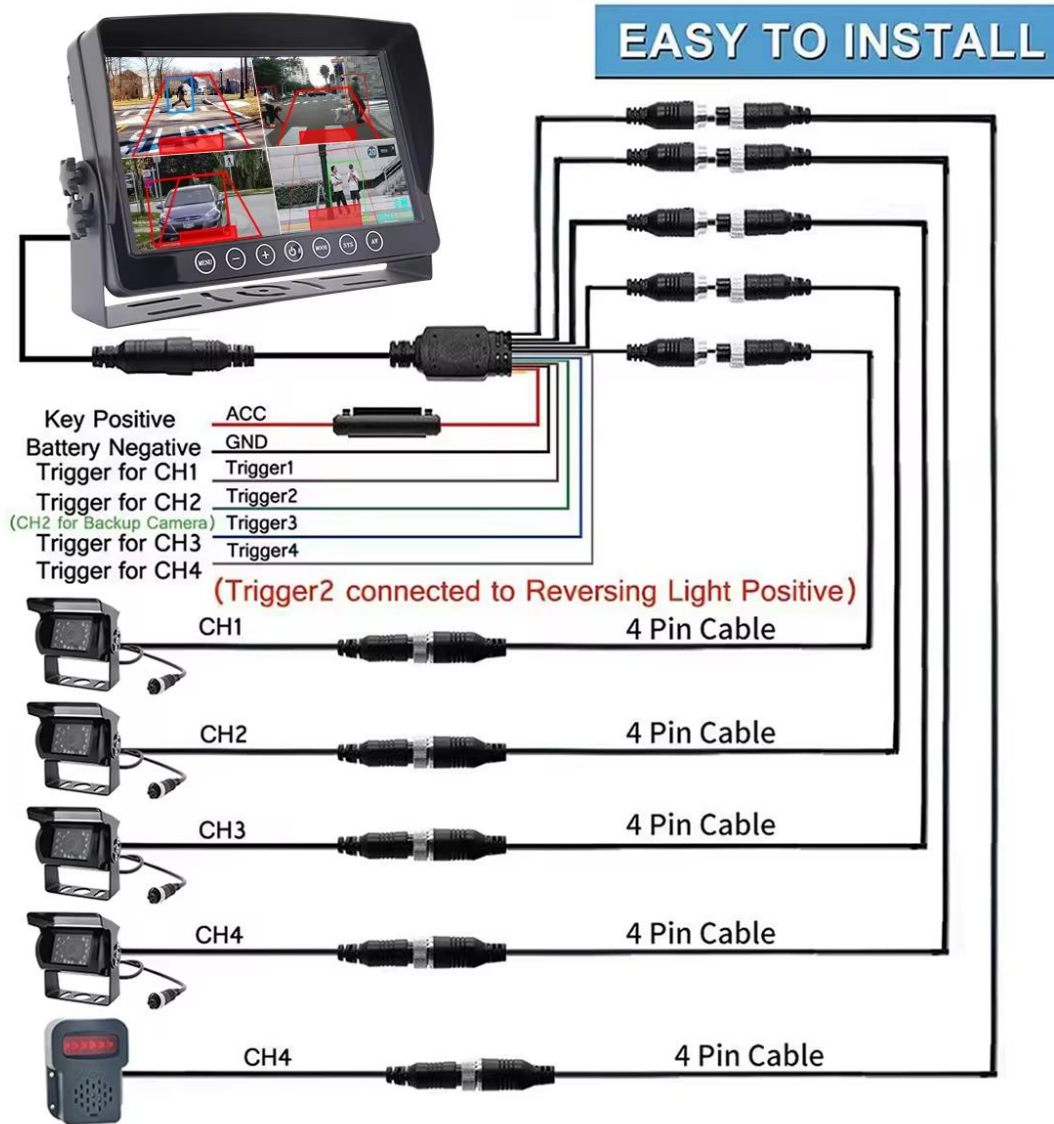
Step 2: Install all cables in vehicle, when necessary a 0.8(20mm) hole should be drilled for passing camera cable through vehicles walls. Install split grommets where applicable.

Step 3: Once all cables and wiring have been properly routed, perform a system function test by temporarily connecting the system.

Operating Precautions

1. The monitor may be powered by a 9-35 volt battery or the vehicle's electrical system.
2. Make sure all cables are connected properly. Improper cable connections may damage the





- (1) Red "ACC" to +9V-35V
- (2) Yellow "B+" to Battery Positive (ignore it if no)
- (3) Black "GND" to ground (Negative)
- (4) Brown "Trigger 1" to CH1
- (5) Green "Trigger 2" to CH2
- (6) Blue "Trigger 3" to CH3
- (7) Grey "Trigger 4" to CH4
- (8) "CH1"
- (9) "CH2"
- (10) "CH3"
- (11) "CH4"





Warning!

- 1.This monitor is high voltage. Only professionals should open the monitor's case.
- 2.Do not watch the video while driving unless you are monitoring the rear view camera display.

Special Note

Occasionally, a few highlights or dark spots may appear on the LCD screen. This does not necessarily indicate any monitor defects. Never try to repair this device yourself. If any problems occur, immediately turn the display off and notify our company or an authorized dealer. Any disassembly or modification may lead to damage and will also void the warranty.

Camera Connection:

Locate the clearance lights wiring on your vehicle. You may need to remove the interior panel in order to locate. Connect the power cables for camera: Red wire to light's positive; Black wire to chassis ground.

Monitor Connection:

Cigarette lighter adapter: firmly insert the lighter plug to the cigarette lighter socket.

Loose lead wire: To power the system connect the power (RED) 12V + wire to ignition power and the ground (BLACK) wire to the chassis ground. These are the only wires needed to power the system. Press "left" or "right" keys to toggle between different views.

DO NOT INSTALL monitor where it may obstruct driver view or obstruct air bag devices.



OPERATION GUIDE

1. The monitor will automatically turn on when connected to a power source.
2. Image will automatically appear on the screen when a trigger is activated.
3. Parking lines can be turned ON/OFF.
4. Support recycle driving record function. Support 8GB to 128GB TF card.

SAFETY NOTICE

This system is designed as a driver's aid.

Just using a backup camera will not completely erase a vehicle's blind spots.

System Operations

Button introduction



System Setting



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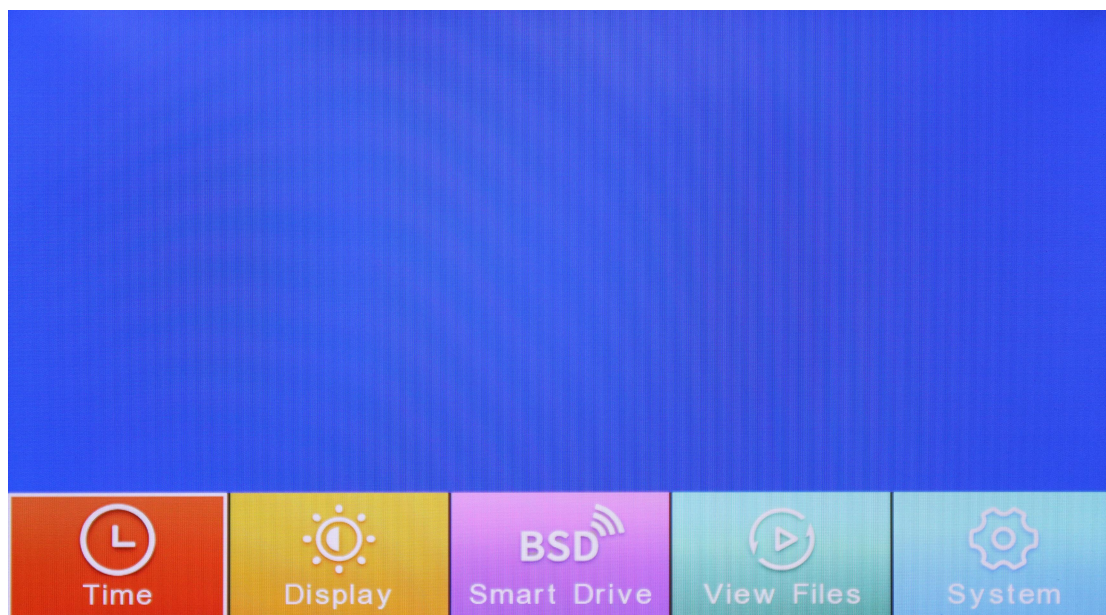
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(1) TIME

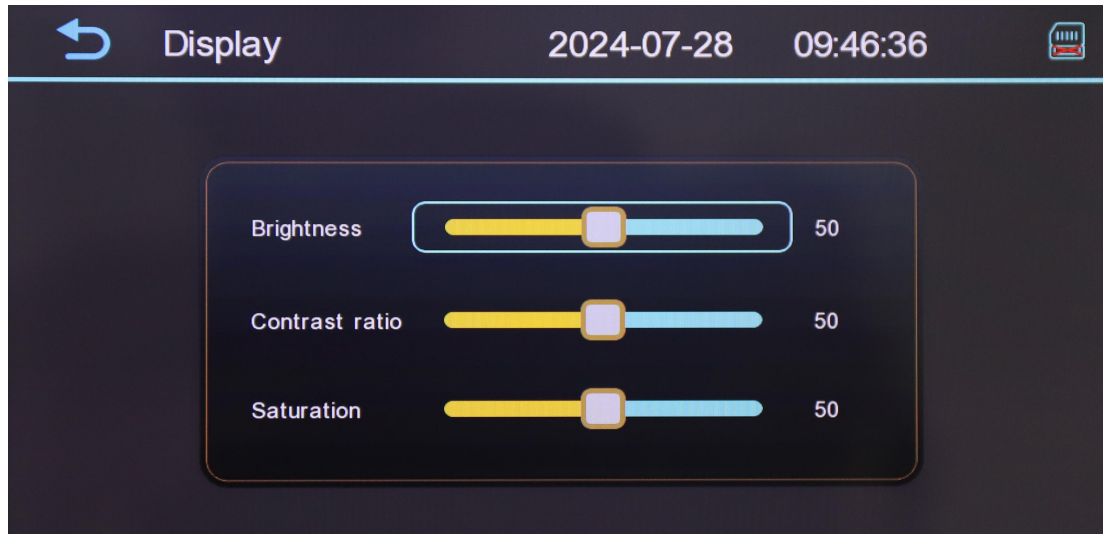
Time 2024-07-28 09:46:33

Year	Month	Day	Hour	Minute
2022	05	26	07	44
2023	06	27	08	45
2024	07	28	09	46
2025	08	29	10	47
2026	09	30	11	48

Press MENU and choose the “Time” icon and then press MODE to enter the time setting. Press “Increase” or “Decrease” to adjust the number. MODE is to save and skip to next section. “MENU” button to exit the setting.



(2) DISPLAY



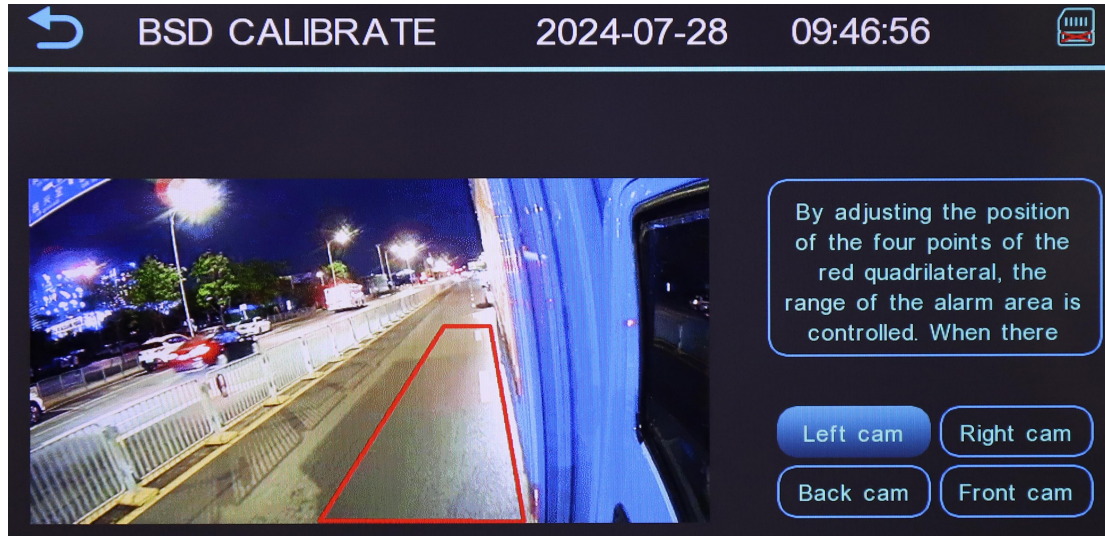
Press MENU and choose the “Display” icon and then press MODE to get in to the screen setting. User can use the Increase or Decrease and MODE button to set the screen BRIGHTNESS, CONTRAST RATIO, SATURATION. Press MENU button return to main menu.

NOTE: Every system may have a little difference.

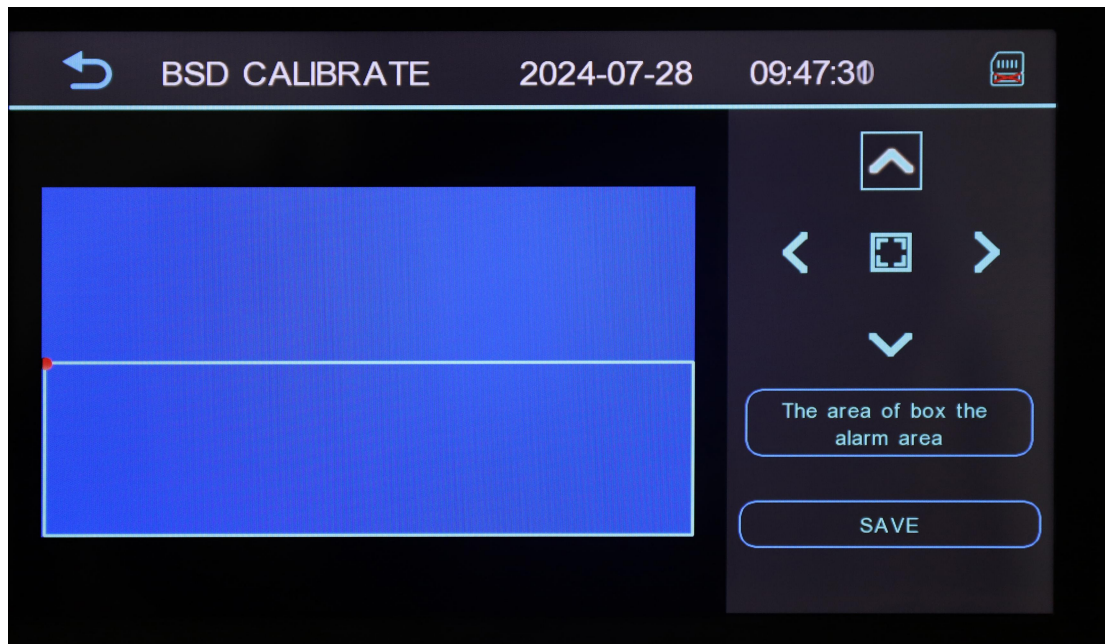
(3) BSD SMART DRIVE

Press MENU and choose the “BSD” icon and then press MODE to get in to the BSD setting. Press MENU button return to main menu. User can set the alarm area in “CALIBRATE”, turn on or off “BSD” function, and set the alarm sound.





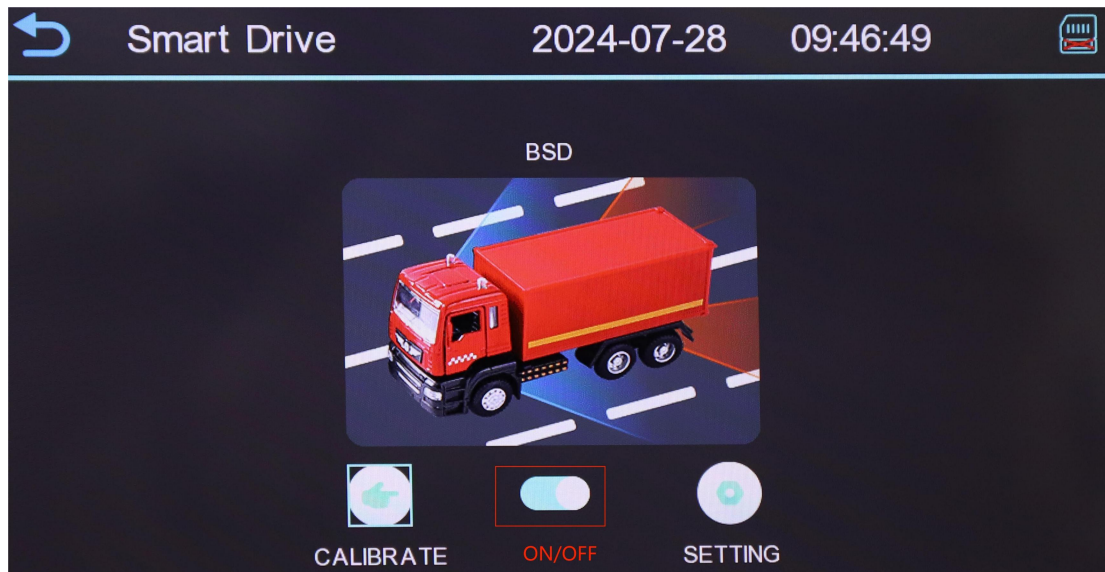
Enter "BSD CALIBRATE" setting, user can adjust the alarm area by each camera. Press "MODE" to enter the setting. "MENU" to return.



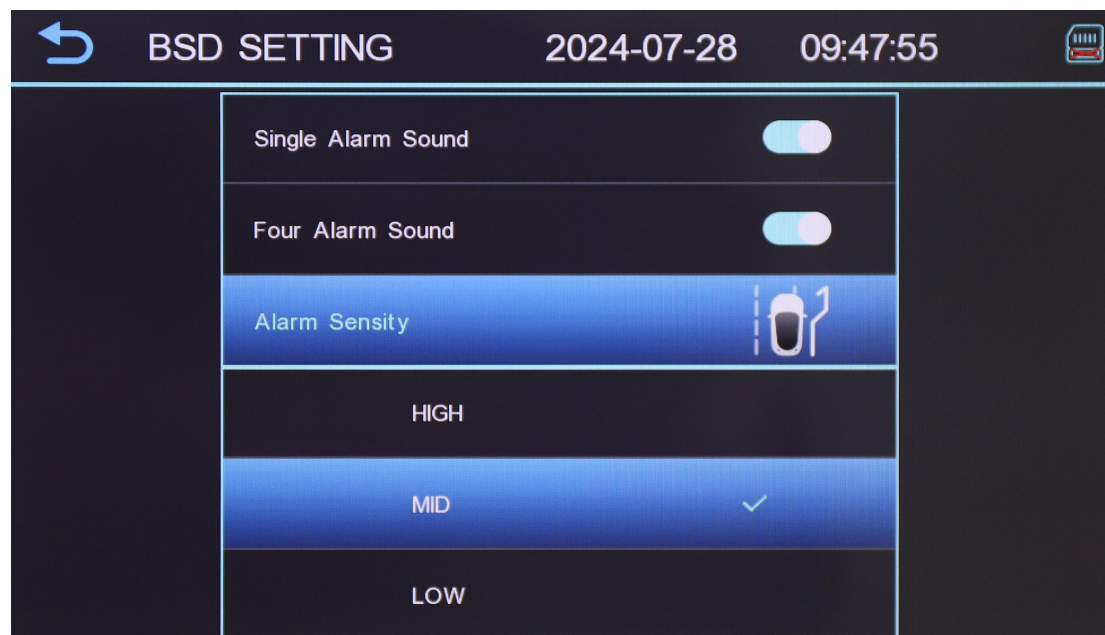
Press " Decrease" or " Increase" to choose "UP", "DOWN", "LEFT", RIGHT", " SWITCH " "THE AREA OF BOX THE ALARM AREA" "SAVE" button. Press " MODE" to

Press " SAVE" to save the area setting.





Press "MODE" to turn on or off the BSD function.

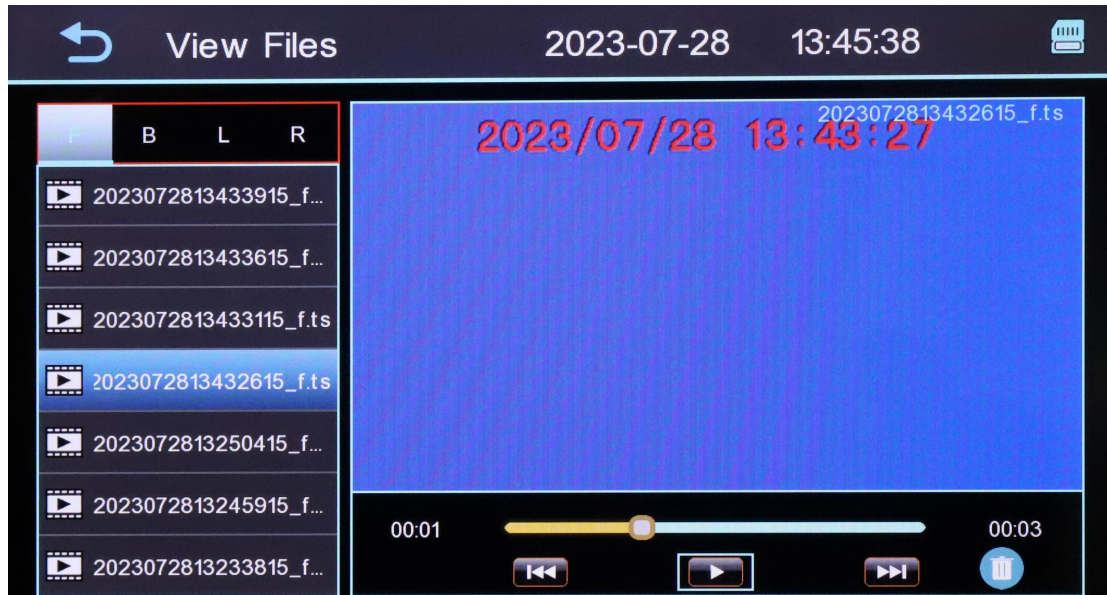


Press "MODE" to "BSD SETTING". Press "MODE" to turn on or off the sound.

"Alarm Sensity" can be adjusted to "HIGH", "MID", "LOW" level. Press "MODE" to confirm and "MENU" to exit.



(4) VIEW FILES



Press MENU and choice the “VIEW FILES” icon and then press MODE to enter the record video library.

Press “ Increase” or “Decrease” to choose “F” (front camera), “B”(back camera), “L”(left camera), “R” (right camera). Press “CAM” to confirm.

Next is to press “ Increase” or “Decrease” to choose the period of video you want to check. Press “MODE” to play the video. Video name consist of YYYY-MM-DD-HH-MM.

Press “CAM” and then press “Increase” or “Decrease” to choose “FAST FORWARD”, “PAUSE”, “ FAST REWIND”, “DELETE” icon. Press “MODE” to confirm.

Note: After insert the TF card and press “MODE” button, there is a flashing red dot on the top of the screen which means it is recording. Press “ MODE” to begin or stop recording.



(5) SYSTEM



Press MENU and choice the “SYSTEM” icon and then press MODE to get in to the system setting.

Press “ Decrease” or “ Increase” to move the cursor. Press “ MODE” to select.

[Loop record] The video recording will storage into 1 or 2 mins clips. Move the cursor here and press “MODE” to choose “1 minute” or “2 minutes”.

[Video watermark] The video recording can have time mark or not. Move the cursor here and press “MODE” to choose “ON” or “OFF”.

[Interval record] Press “MODE” to choose “OFF”, “1Hour”, “12Hour”, “24Hour”.

[Record mute] Press “MODE” to choose “ ON” or “ OFF”.

[Screen sleep] Press “MODE” to choose “ OFF”, “ 10 S” , “ 30 S”, “ 60 S”.

[Identify] Press “MODE” to choose “ CAR”, “PEOPLE”, “ PEOPLE+CAR”.

[Reversing Line] This function is to adjust the parking guide line. There are 3 patterns of the line. Press “MODE” to choose “ MODE1”, “ MODE2”, “ MODE3”, “ OFF”.

[Trigger Delay] Press “MODE” to choose “3s”, “6s”, “9s”, “OFF”.

[Language] Press “MODE” to choose the language of the system.

[Volume setting] Press “MODE” to choose 0-4 volume.

[Keytone] Press “MODE” to choose “ ON” or “ OFF”.

[Voice Control] Please ignore this function.

[Front cam mirror] Press “MODE” to choose “ ON” or “ OFF”.

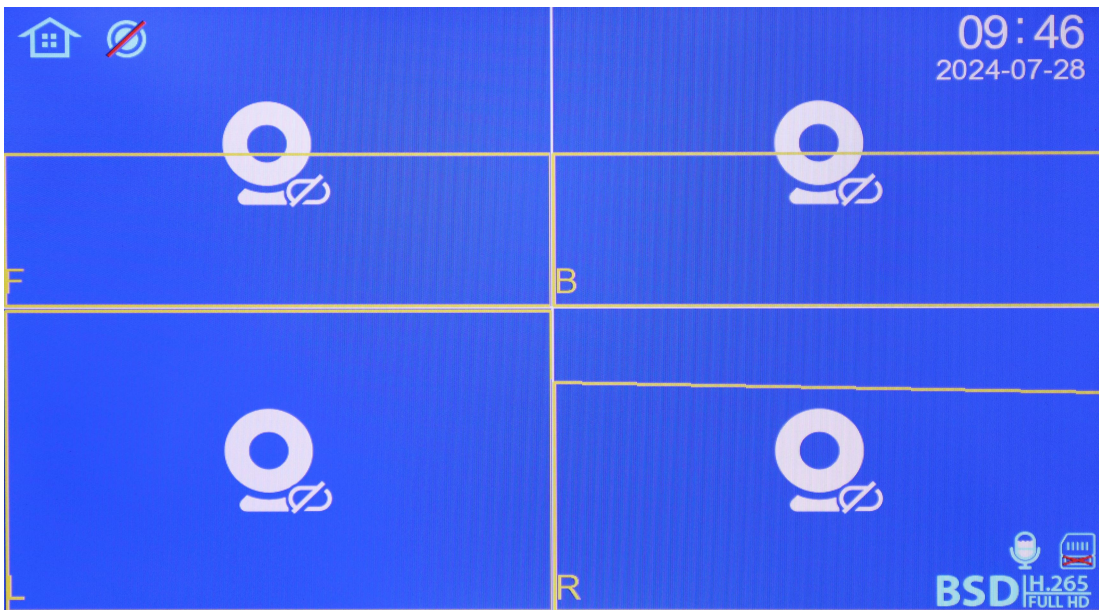
[Reset Factory] Do not reset the setting!! Press “ MENU” to exit.

[Format Storage] Press “ MODE” to confirm. Press “MENU” to exit. TF card must be formatted before being used. All documents in TF card will be lost once user format



(6) CAM- Button

User can press the CAM button to choice the which camera channel can be show on the monitor(CAM1, CAM2, CAM3, CAM4 Dual Split, Quad Split).

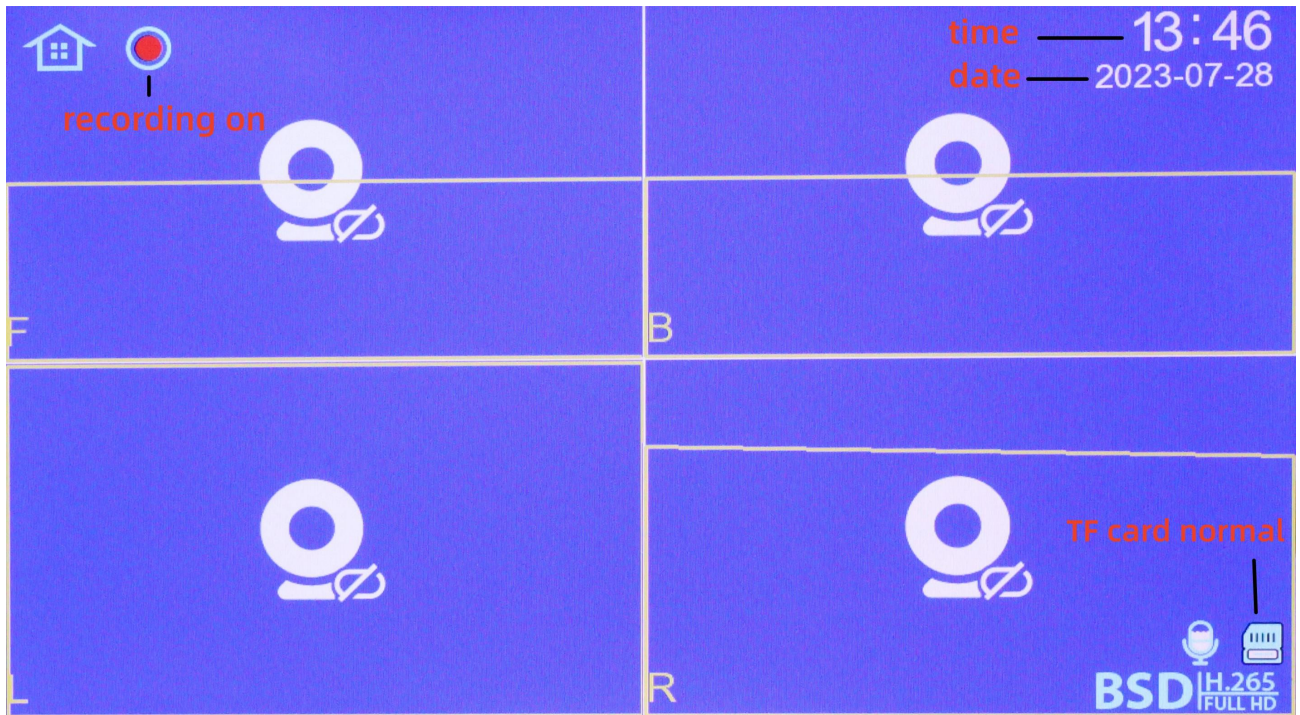


Press CAM to get in to the display format setting. This monitor has 6 different display modes. Press “ CAM ” switch to different format.



Recorder Function Remind:

1. The recorder can work well with Class 8 and Class 10 TF Card. It can not work well with Class 4 TF Card.
2. After user plug the TF card in the monitor, please format the TF card.
3. The recorder can record 1 camera channel, 2 camera channels or 4 camera channels at the same time. But need all the cameras image be display on the screen. If 2 cameras or 4 cameras system just 1 camera image be display on the screen, it just can record the image that be display on the screen. If the screen show dual split or quad split display, all the cameras images be display on screen can be record.
4. After user format TF card and exit to the camera image, Please press the MODE button to start recording(● red dot is flashing on screen). If the recorder on recording, press MODE button, the recorder will stop recording.
5. The recorder can support 8GB-128GB TF card.





- 7 inch IPS monitor
- Supports both NTSC and PAL video systems
- Support up for 4 cameras
- Display effect can be changed for each individual camera
- Multiple Viewing Options - Single/Split Screen/Quad
- Parking guide lines (can be switched on/off)
- Resolution: 1024 (H) × 600 (V) AHD
- Contrast: 800:1
- Brightness: 600cd/m2
- Power Supply: DC 9-35V
- Waterproof Rating: IP68
- Power consumption: about 9W
- Operating temperature: -20° C ~ 70° C
- Storage temperature: -30° C ~ 80° C

Camera Specification

- Image Sensor: 1/3 CMOS
- Resolution: 1280x720P/1920x1080P
- View Angle: 120° [H] 170° [D]
- TV System: PAL/NTSC
- Waterproof Rating: IP68
- Power Supply: It depends. DC 12V.
- Operating Temperature -20° C ~ +70° C / RH 95% Max
- Storage Temperature -30° C ~ +80° C / RH 95% Max

Troubleshooting

1. Monitor No Power.
 - i. Car engine has not been started, start the car engine
 - ii. Incorrect wiring connection. Check the wiring
 - iii. Monitor power off in default, press power button to turn on
2. Camera No Power.
 - i. Car engine has not been started, start the car engine
 - ii. Incorrect wiring connection. Check the wiring
3. TF card can not be write.
 - i. Use Class 10 TF card. Make sure TF card is 8GB-128GB. Do the format operation and press MODE button begin to recording.





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ONE YEAR WARRANTY

OUR COMPANY WARRANTS THIS PRODUCT AGAINST MATERIAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. WE - 19RESERVE- THE RIGHT TO REPAIR OR REPLACE ANY SUCH DEFECTIVE UNIT AT OUR SOLE DISCRETION. OUR COMPANY IS NOT RESPONSIBLE FOR ADEFECT IN THE SYSTEM AS A RESULT OF MISUSE, IMPROPER INSTALLATION, DAMAGE OR MISHANDLING OF THE ELECTRONIC COMPONENTS.OUR COMPANY IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND. THIS WARRANTY IS VOID IF: DEFECTS IN MATERIALS OR WORKMANSHIP OR DAMAGES RESULT FROM REPAIRS OR ALTERATIONS WHICH HAVE BEEN MADE OR ATTEMPTED BY OTHERS OR THE UNAUTHORIZED USE OF NONCONFORMING PARTS; THE DAMAGE IS DUE TO NORMAL WEAR AND TEAR, THIS DAMAGE IS DUE TO ABUSE, IMPROPER MAINTENANCE, NEGLIGENCE OR ACCIDENT; OR THE DAMAGE IS DUE TO USE OF THE SYSTEM AFTER PARTIAL FAILURE OR USE WITH IMPROPER ACCESSORIES

WARRANTY PERFORMANCE

DURING THE ABOVE WARRANTY PERIOD, SHOULD YOUR REAR VIEW SAFETY PRODUCT EXHIBIT A DEFECT IN MATERIAL OR WORKMANSHIP, SUCH DEFECT WILL BE REPAIRED WHEN THE COMPLETE PRODUCT IS RETURNED, POSTAGE PREPAID AND INSURED.



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