

2nd Gen Wireless 4 Channel Dash Cam. 2-4 960P Cams, Heavy Duty, 200 Feet of Wireless Range

Instructional Manual



Please read manual before operating device

Contents

1. Precautions	1
2. Features	3
3. Technical Specifications	3
4. Accessories	4
5. Parts Identification	6
6. Remote Control Operation	7
7. Basic Operation	9
8. Menu	10
9. Recording Time	11
10. Troubleshooting	17

1. Precautions

● Storage and Keeping

1. Do not expose the monitor to excessive heat or cold. The storage temperature of this device is - 30~+80°C, and the operating temperature is -20~+70 °C. The humidity is Rh90%.
2. Never use this device near a bathtub, wash basin, kitchen, damp basement, swimming pool or similar places.
3. Never use this device in environments with excessive moisture, dust or smoke.
4. Avoid dropping or striking this device.
5. Avoid using this device in enclosed spaces, areas with excessive vibration or subject to severe impacts.
6. Never puncture, scratch or use abrasive cleaning materials on this device.
7. Do not place cables where they may be pinched or stepped on.
8. Leave at least a 2" space between the monitor and walls, cabinets or other objects to allow adequate air circulation around the device.
9. The monitor is not designed to be waterproof.
10. All outdoor cameras are weather and waterproof; however, they are not able to be submerged underwater for more than 60 seconds or cannot withstand direct contact (with 2-5 inches) with high pressure water pressure. If you submerge these cameras under water or wash these cameras with high pressure water, then warranty will be voided and condensation may occur inside the camera.

● Operating Precautions

1. The device may be powered by a 12 or 24 volt automotive battery or vehicle electrical system.
2. Make sure all cables are connected properly. Observe polarity; **Electrical polarity** (positive and negative) is the term used to describe the direction of current flow in an electrical circuit. Current flows from the positive pole (terminal) to the negative pole. Electrons flow from negative to positive. In a direct current (DC) circuit, current flows in one direction only, and one pole is always negative and the other pole is always positive. In an alternating current (AC) circuit the two poles alternate between negative and positive and the direction of the current (electron flow) reverses periodically. Improper cable connections may damage the monitor or camera. Remove the power cable connections when you do not intend to use the device.

● Instructional Videos

Many customers would rather watch quick 1-2 minute instructional videos rather than read the manual. If this is you, please check out our instructional videos that will show you how to set up and learn to use your new dash cam. There are 2 ways to find these videos:

1. Visit <https://www.dashcam.co> , scroll to the bottom of the website to the footer, click “INSTRUCTIONAL VIDEOS”, Scroll down to Digital Wireless DVR System
2. Visit <https://www.dashcam.co/pages/2nd-gen-digital-wireless-4-channel-instructional-videos> find Digital Wireless DVR system. instructional videos.

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 you are monitoring the rear view camera display.

● 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.



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 electric 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.



This symbol is intended to alert the user not to waste electrical and electronic equipment.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your warranty and necessitate expensive repairs.

● Declaration of conformity



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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Features

1. LCD monitor - with wide angle view and high resolution display.
2. NORMAL, MIRROR, FLIP and MIR-FLIP viewing options available.
3. Split mode, auto-scan mode and single-display mode available.
4. Auto pairing: Auto pairing happens when camera is powered on.
5. Recording in AVI signal format -Supports Single and 4-channel
6. Auto dim function available.
7. Remote control.
8. 4 wireless camera input.
9. Video formats: PAL / NTSC.
10. Voltage input: 10 - 32V.
11. View all 4 cameras at the same time or select auto switch option for cameras to scan view independently

3. Technical Specifications

LCD size	9"
Resolution	800 x 3 (RGB) x 480
Contrast	500:1
Brightness	400 cd/m ²
Viewing Angle	120 Degrees
Dot pitch	0.0642(W) x 0.1790(H)
Aspect Ratio	16:9
Channel	4 channels
Operating Frequency	2400 - 2483.5 MHz
Receiving Sensitivity	-89 dBm
Decompression Form	MPEG4
Transmit Output Power	17 dBm
Modulation	2.4G FSK/GFSK
Time Delay	120ms
Transmitting Distance	Up to 200 feet
Micro-SD /TF Card	Max 256GB
System Format	PAL / NTSC
Power Supply	DC 10-32V
Power Consumption	Max. 6W
Operating temperature	-20~+70°C,RH90%
Storage temperature	-30~+80°C,RH90%

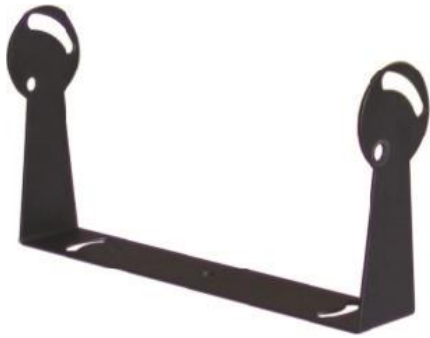


Special Notice

Specification may be subject to change without notice.

4. INCLUDED ACCESSORIES

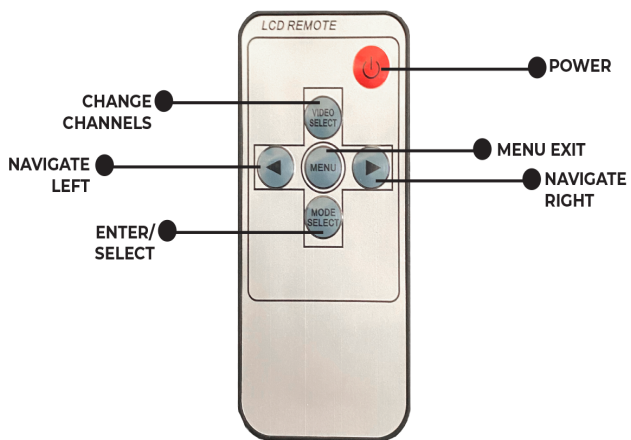
U-Support Bracket



Sun Shield



IR Remote control



(1) CLA LCD Power cable



Angle Adjustment Screws



(2-4) Camera Power Cable



4. Optional Accessories

Additional Wireless Camera



up-to 256GB SD Card



Wireless Battery Pack



10 Hr Weatherproof Rechargeable Battery with optional Magnet Mount to power camera (PERFECT for TRAILERS & RV's)

Magnet Mount



Suction Cup Bracket



SD Card Reader



Special Notice

9-inch Monitor Features and Guide

- Monitor Video signal: Supports AHD Digital signals
- Screen size: 9-inch HD Full View LCD Screen
- Screen Brightness: 500CD/M2
- Screen Pixels: 1024*600P
- Video Recording: Supports up to 256GB SD Card
- Power supply voltage: DC12V-30V
- Monitor Image: Up/Down/Left/Right
- Signal format: PAL/NTSC

U Support Mounting Bracket
Angle Adjustment Screws
SD Card Slot

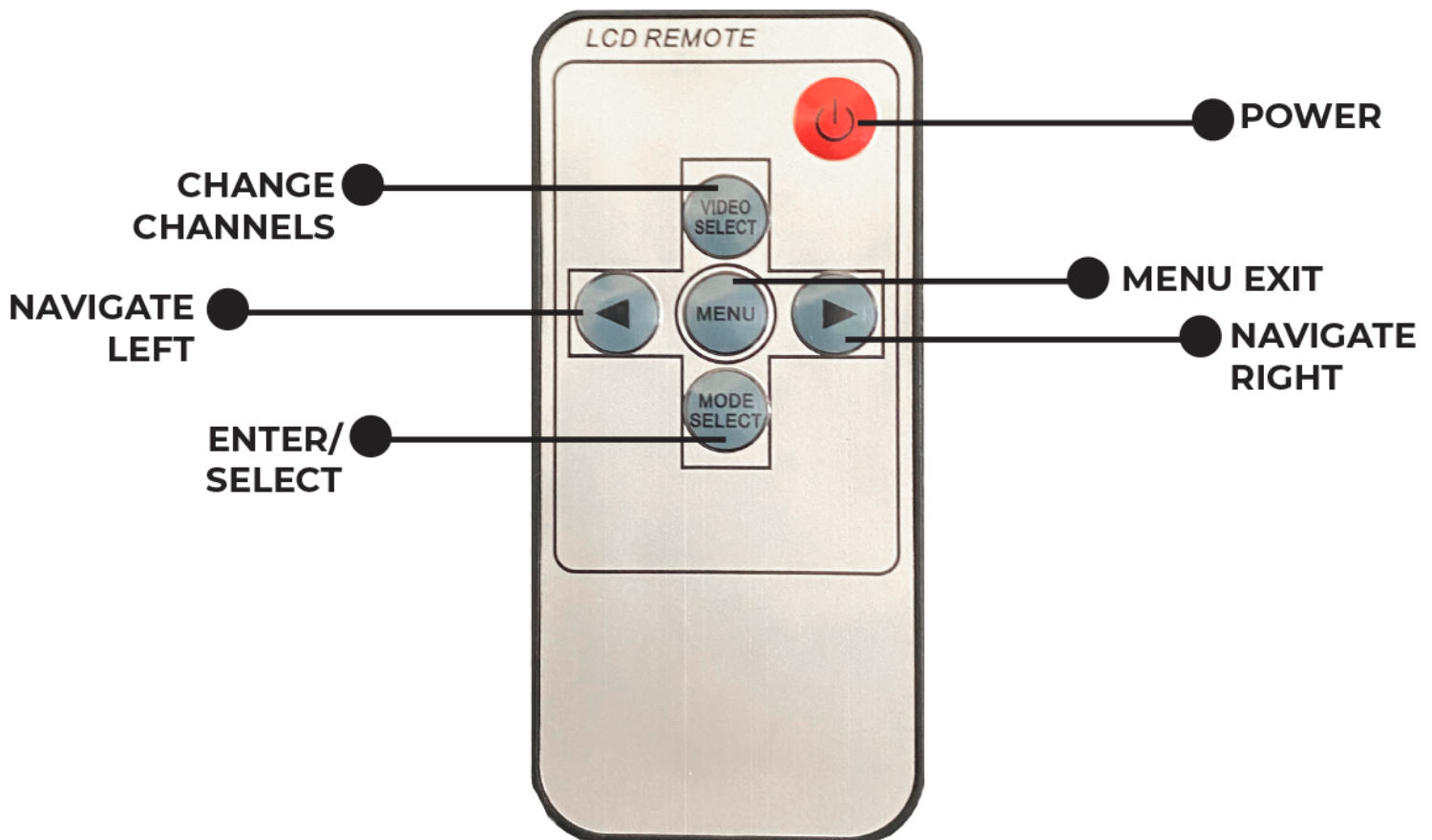


1. MODE – Press to Record / Stop Recording
2. V1/V2 – Toggle between single 1-4 camera view / side by side camera view / quad camera view (Toggle option is not available on remote controller)
3. - / + function:
 - I. When in the Menu settings, - /+ used to navigate through menu options
4. (M) Menu – MUST be in SINGLE CAMERA VIEW to access menu
5. Power Button – Power On/OFF LCD Screen. MUST always be POWERED on for the cameras to be record to SD card.
6. IR – Remote control sensor – Point remote towards IR



Connect CLA power cord to LCD power cable

Navigate menu UP



7. Basic Operation 7.1. Installation of U-support Bracket

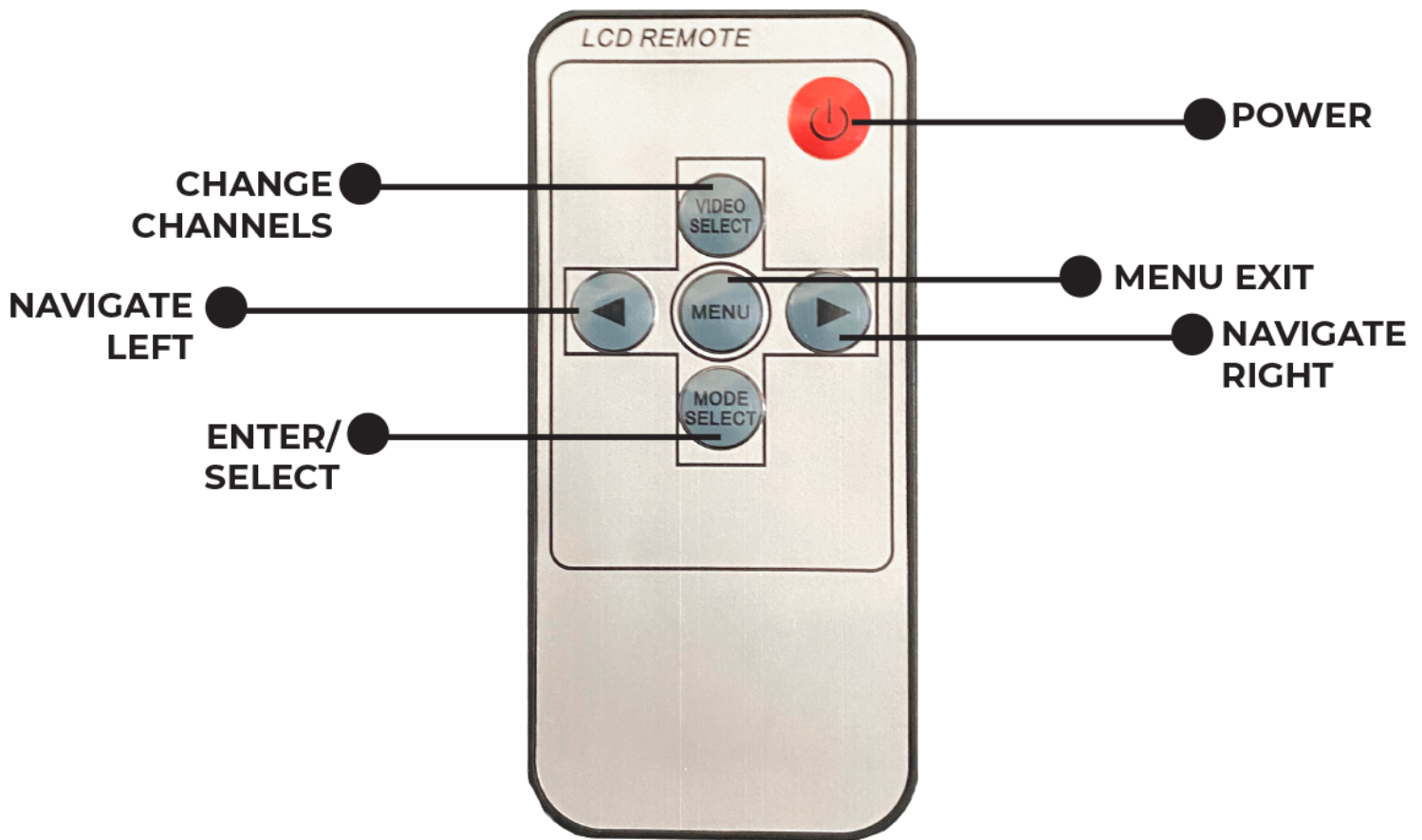


SUPER-EASY 1-STEP INSTALLATION



8. Menu

MENU can only be accessed when in single camera view mode. Press # 1,2,3 or 4 on remote to get into single view mode.

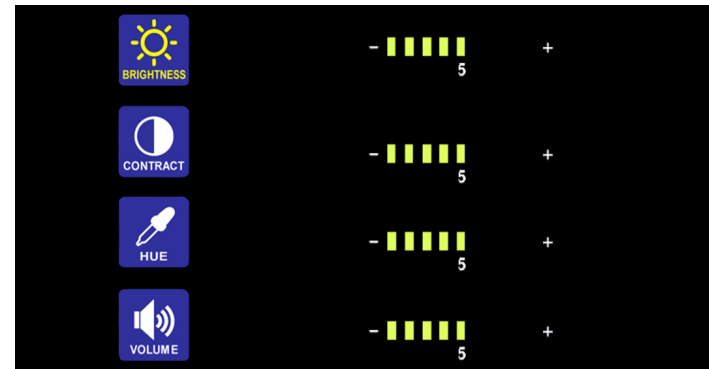
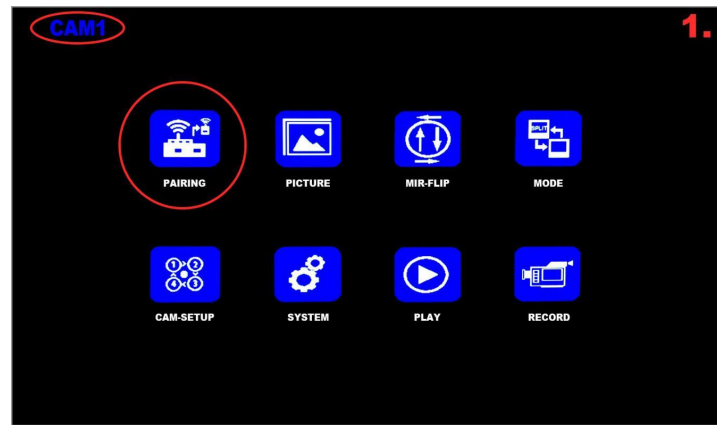


MAIN MENU

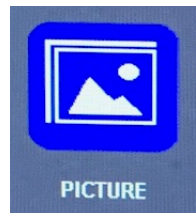


Pairing Process

1. Make sure monitor and camera have power.
2. Select the camera channel by pressing the number on your remote (1-4), then push pairing icon from the Menu screen. Monitor will display the message "PAIRING START 20" and a 20 second to 0 count down will start.
3. Within the 20 second countdown, attach the cameras power quick disconnect/ connect cable to the cable behind the camera
4. The monitor and cameras should synchronize with each other within 10 seconds.
5. Successful pairing is when the camera picture view is displayed on monitor.
6. If pairing is unsuccessful, the monitor displays message "No Signal". Repeat the pairing process and make sure that camera has power.



Picture Menu Settings



1. Press Menu button, then use right arrow to highlight Picture. Press Mode button to select Picture BRIGHTNESS / CONTRACT / HUE / VOLUME menu. (Not used, No internal mic/speaker)
2. Press Mode button on the icon setting. Once icon turn red, press right/left arrow to adjust. Press Mode button once done changing the setting.

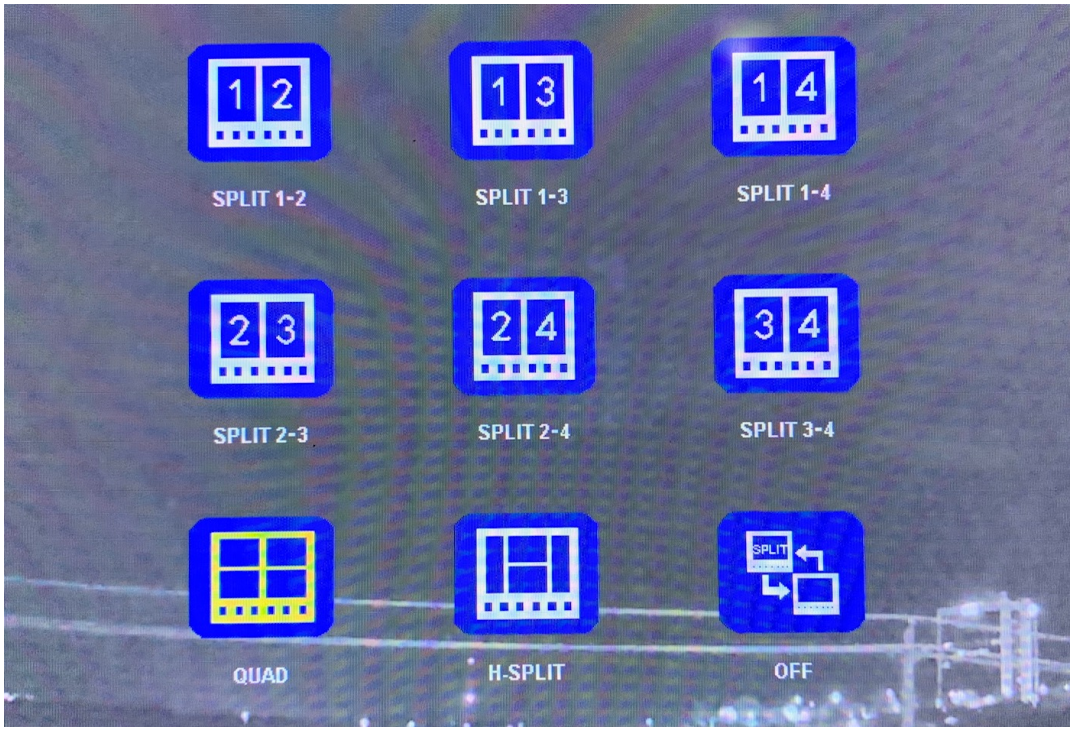
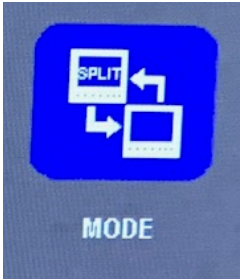
Mirror/Flip Menu Settings

1. Make sure monitor and camera have power.
2. Select the camera channel by pressing the number on your remote (1-4), then push pairing icon from the Menu screen. Monitor will display the message "PAIRING START 20" and a 20 second to 0 count down will start.
3. Within the 20 second countdown, attach the cameras power quick disconnect/connect cable to the cable behind the camera
4. The monitor and cameras should synchronize with each other within 10 seconds.
5. Successful pairing is when the camera picture view is displayed on monitor.
6. If pairing is unsuccessful, the monitor displays message "No Signal". Repeat the pairing process and make sure that camera has power.



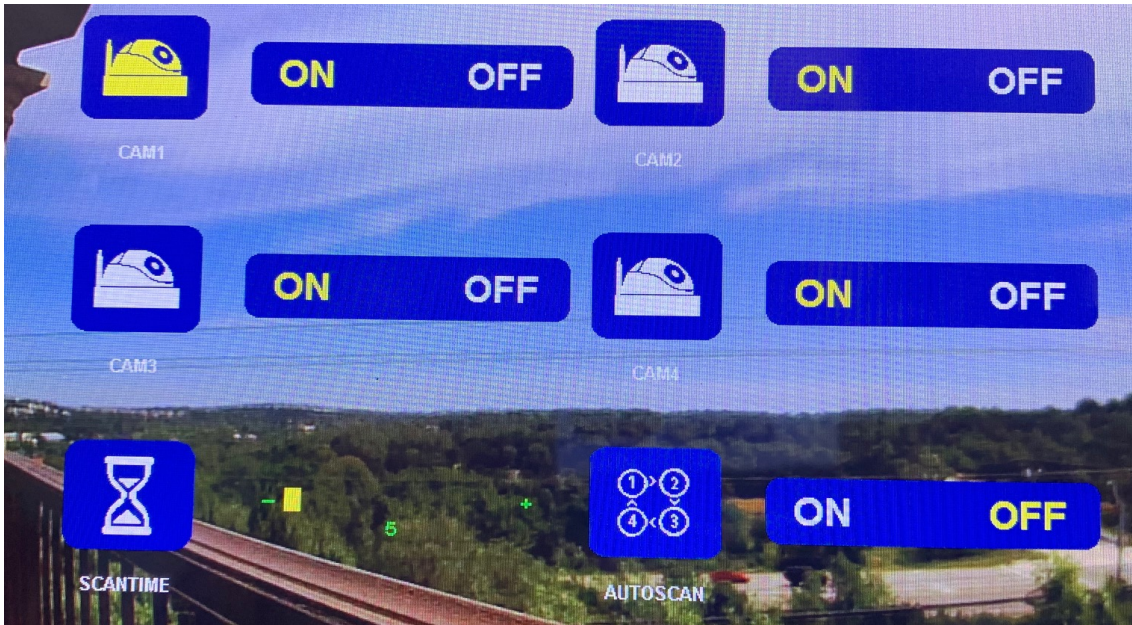
1. Press Menu button, then use right arrow to highlight MIR-FLIP. Press Mode button to select MIR-Flip menu.
2. Highlight the F mode that you want camera view to show. Press Mode button on the F icon that you want to select.

Mode Menu Settings



CAM-Setup Menu Settings

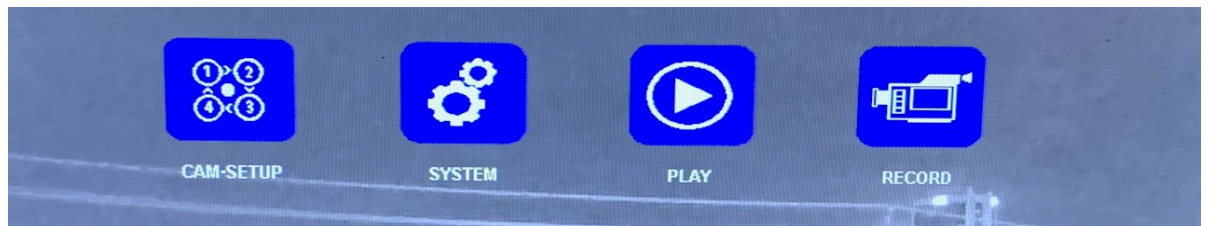
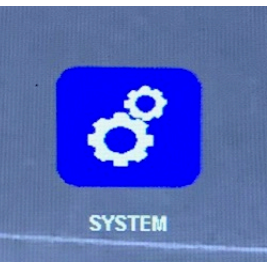
1. Press Menu button, then use right / down arrow to highlight CAM-Setup . Press Mode button to select CAM-Setup menu.
2. Press Mode button on Cam icon until its yellow. Next use right arrow to highlight ON/OFF and press mode button to enable/disable camera to function.



System Menu Settings

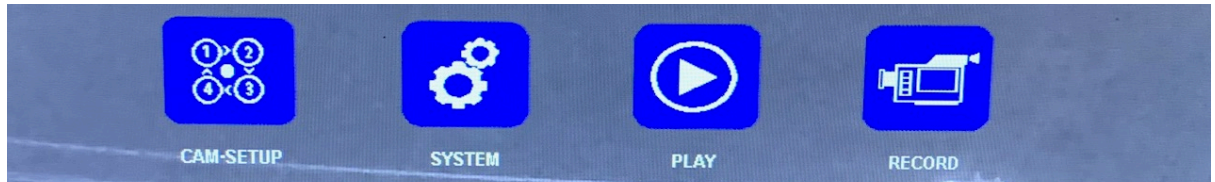
How to set Time and Date

- Press Menu button, then use right arrow to highlight Systems Icon. Press Mode button to view System menu. Press Mode button on TIME icon until icon turns red. Once icon is red, the year will automatically be highlighter yellow. Press right arrow to change to correct year. Once done, Press Mode button to change day. Press right arrow to change to correct day. Once done Press Mode button to change month. Press right arrow to change to correct month. Once one, Press Mode button to hour. and so on. The Time icon will turn back to yellow once you have changed time and date



Record Menu Settings

Record Settings: Loop Record / Format Card Settings



- Press Menu button, then use right arrow to highlight Record Icon. Press Mode button to Record menu.
- Highlight Format, press Mode until SD Card icon turns red. Once red, use right arrow to select on. When ON is highlighted yellow, press mode button to format card
- **FORMAT:** Micro SD card must be formatted before being used. All documents on SD card will be lost when SD card is formatted.



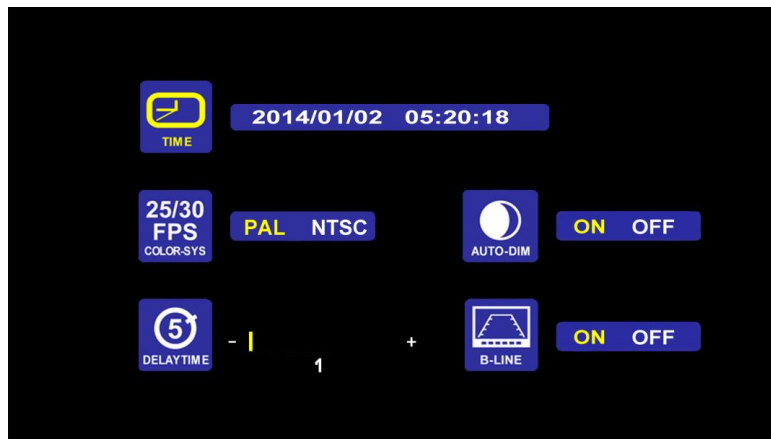
How to Format SD Card

















- Press Menu button, then use right arrow to highlight Record Icon. Press Mode button to Record menu.
- Select REWRITE ON/OFF if you would like loop recording to function. REWRITE/ Loop recording ON is when the SD card is full, it will automatically record over older video recordings. Loop recording OFF is when the SD card is full, it will automatically stop recording.
- Press Menu button, then use right arrow to highlight Record Icon. Press Mode button to Record menu.
- Highlight Format, press Mode until SD Card icon turns red. Once red, use right arrow to select on. When ON is highlighted yellow, press mode button to format card
- **FORMAT:** Micro SD card must be formatted before being used. All documents on SD card will be lost when SD card is formatted.





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

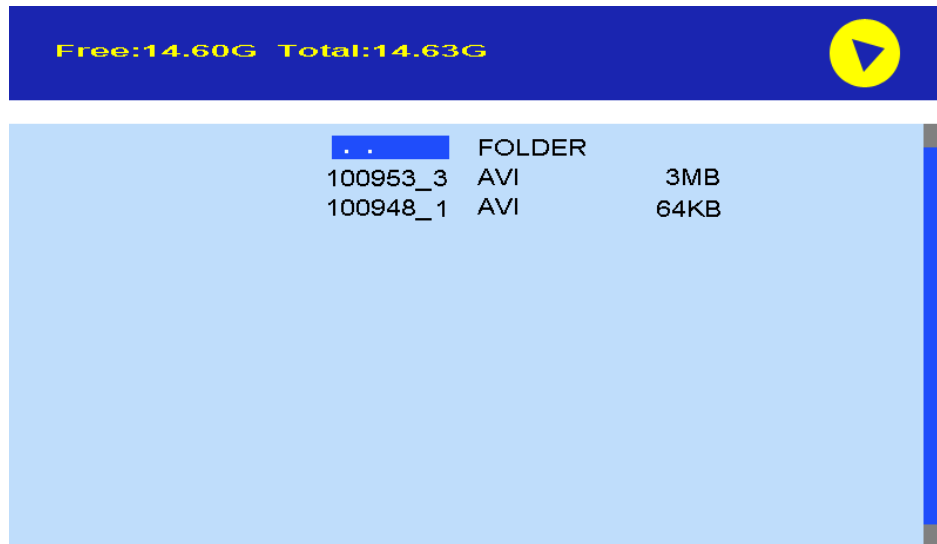
(6) Press  or  to select SYSTEM, Press CH- to enter.





- TIME : Press  or  to select TIME, Press CH- to set. Press  or  for selection decreasing or adding. Press CH- to continue the setting when finishing the previous operation.
- COLOR-SYS: Press  or  to select COLOR-SYS, Press CH- to enter, Press  or  to select NTSC/PAL.
- AUTO-DIM: Press  or  to select AUTO-DIM. Press CH- 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.
- ELETRONIC DISTANCE LABEL: Press  or  to select ELETRONIC DISTANCE LABEL. Press CH- 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.

(7) Press  or  to select PLAY, Press CH- enter.





- Press  or  to select recording file, Press CH- 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, 130903 stands for year 2013, September 3rd. 100953_3 stands for 10:09:53 am, Cam3. The recording file format is AVI , maximum recording time for every single file will last for 10 minutes.

9. Recording Time

(Wireless DVR Camera system only records what is viewed on the screen)

Each camera records in separate files, but all cameras must be being viewed in order for them to be recorded.

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

SD MODE	8G	16G	32G	64G	128G
SINGLE (640x480x1)	14h	28h	55h	110h	220h
QUAD	11h	22h	43h	86h	172h

(320x240x4)					
SPLIT (400x480x2)	13h	25h	50h	101h	201h

IMPORTANT NOTE

DVR will only record what is being displayed on LCD. If you are displaying only one camera, only one camera will be recorded on the video file. If you want to record 2,3 or 4 cameras, make sure that you have all 2 to 4 cameras displayed on the LCD

10. 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	Improper connection of automobile adapter. Use of un-authorized power supply, switch power source. Power switch is on OFF position.
No signal	Check whether the camera has power supply. Pair the monitor and the camera again. Change power supply for monitor and cameras.
Dark picture	Check whether brightness and contrast are adjusted correctly.
No color	Adjust the HUE settings.

MANUFACTURER

Limited Warranty

What warranty covers: Manufacturer warrants to the original purchaser that the product furnished hereunder shall be free from defects in material and workmanship under normal use and service. In the event of any defect in material or workmanship, the Manufacturer will for twelve (12) months from the date of delivery of the product to purchaser, F.O.B. point of origin replace any defective parts in respect to the product or replace the product with new or like new product at the manufacturers option. In the event of a defect, return the product in tact to the manufacturer (shipping to manufacturer will be paid by purchaser) with evidence of purchase date within the last 12 months of purchase for proper handling of the warranty claim.

What is Not Covered:

- Defects or damage resulting from the use of product(s) in other than the normal and customary manner intended.
- Defective or damage from misuse, accident, water or neglect.
- Scratches or cosmetic damage that does not affect operation of the product.
- Product damage or bodily injury.
- **Contact Manufacturer to purchase an extended replacement warranty**

General Provisions: This warranty is given in lieu of all other express warranties, implied warranties, including without limitation, implied warranties or merchantability and fitness for a particular purpose, are limited to the duration of this limited warranty, in no event shall the Manufacturer or seller be liable for damages in excess of the purchase price of the product

Product Disclaimer: *This system is designed to be an aid and should not replace the need to drive carefully and will not guarantee that driver will not have any accidents while reversing. Under no circumstances will manufacturer, supplier or retailer accept any responsibility or cannot be held liable for any direct or indirect incidental or consequential damage or for injuries that result from installing or using this system or from any backing accident. This device may not be used to violate the privacy rights of others. In no way will manufacturer or its subsidiaries or partners be held responsible for inappropriate use of this product. It is the sole responsibility of the buyer to consult legal counsel for the interpretation of any laws applicable to the area of intended use of these products.*