

FHD DVR Digital Wireless Backup Camera System with Touch Button



Model: RM-7020WS+RC-005WS

Please read this manual thoroughly before operating the device.

Keep it for future reference.

FCC Statement:

This equipment has been tested and found to comply with the

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information:

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.

Package Contents

- | | |
|----------------------------------|---------------------------------------|
| 1. Wireless touch button monitor | 7. Antennas(3) |
| 2. Digital wireless camera | 8. Sun visor |
| 3. Power cords(2) | 9. Screws |
| 4. Bracket for monitor | 10. Bracket adapter (for 992D-F only) |
| 5. Windshield mount | 11. User Manual |
| 6. Cigarette lighter adapter | |



1 Vehicle Application

This system is mainly designed for RVs, Travel Trailers, Fifth wheels, Trucks, Campers, Motor-home application. It is suitable for vehicles with length up to 70ft, or extended antenna will be recommended.

Vehicles under 55FT---High-speed driving observation and reversing
Vehicles over 70FT---Slow-speed driving observation and reversing

TIPS: The camera mount on the top of tail with the antenna over the roof will improve the signals transmission. The distance is only a reference. Wireless signal can be affected by layers and material between the camera and the monitor. If you experience signal issue, please contact 4UCam technical support directly. We have various solutions for your application and will guaranty you have good signal at the end. Please do not contact Amazon since they do not have such product related expertise and will only advise you to return or exchange the product.



2 Test Before Installation

Please note the following required power supply for the monitor and camera.

Monitor: voltage range 10V-35V >= 800mA
Camera: 10V-36V >=800mA

TIPS: If the voltage is lower than 10V, the infrared lights of the camera may not be on or camera is not working properly when it is dark. Camera signal strength will also weaker at lower voltage. If the voltage is over 36V, it will damage the unit.

After you receive the system, please test the device before installation. Please reference the image below, connect the short testing wire out of the cigarette lighter adapter to the camera, and the long wire to the monitor. Plug the adapter into your car cigarette power outlet, If you see a reverse/mirrored image on monitor, it means the system works well. Please make sure all three antennas are connected. If you do not see the image, check power is on and connectors are firm, please call technical support.



3 Operation and Installation Videos

Please find videos on the page below to help you install the system.

4 Installation

① Monitor Installation

Monitor can be powered by a cigarette lighter, or other ACC/Fuse 12V power source. The monitor can be attached to the dash with U-bracket provided + 3M tapes.



TIPS: There is a layer of film on the monitor, which can be removed by green label, or not be removed to protect the monitor.



Or you can use the windshield suction cup mount bracket to fix the Monitor on windshield.

TIPS: If you use windshield mount, sit the monitor on dash board, while having the mounting bracket to balance it, instead of hanging it in mid-air to lower the chance of falling.

② Camera Installation

The camera can be powered by trailer light, market light or 12V power. Connect the red to positive, black to ground.

1. Choose the camera location.
2. Drill a 12mm Diameter cable hole and secure the camera with two screws. (Package contents include screws)
3. Locate the reversing lights or running lights wiring on your vehicle. Connect the red wire to the positive and the black wire to the ground or negative.



If your trailer or RV already has a Furrion mounting bracket pre-installed, please follow the steps below.

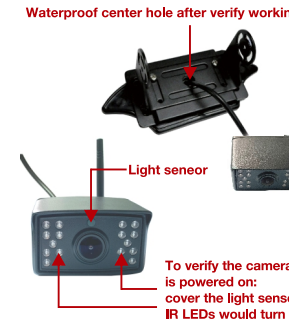
1. Loosen four outer screws to remove the box (please keep the screws and you will reuse them later), and remove the rubber case from the RV wall.



2. Use the original four screws to attach the metal bracket onto the rubber base, using the original screws' hole. Remove the camera from the camera base, and attach the camera base onto the metal base.



Plug the camera male connector into the pre-wire female plug. You might need to push the plug till you feel the click to make sure it is firmly connected. Hitch up your truck power source to the trailer, turn on the running light (or day light, or put your car into reverse, depending on how the per-wire bracket power connect to the electrical circuits of a vehicle) to provide the power to the camera. To verify there is power to the camera, you can cover the light sensor located above the camera lens, the IR LEDs would turn red when there is power to the camera and light sensor is covered, and you are able to see the camera video on your monitor (make sure both camera and monitor are connected with antenna). After the verification, push the extra camera wire into the wall hole, waterproof the cable center hole and the edge of the rubber base with RV sealant, then attach the camera onto the camera base.

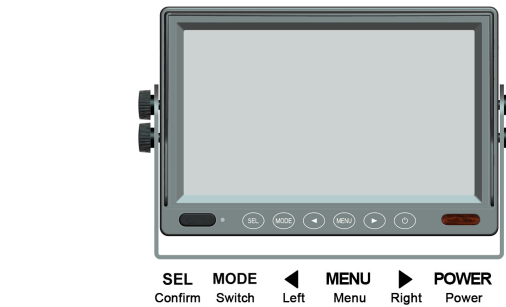


Check the number of the signal bar on the upper left corner of the monitor. Ideally there should be at least 2 bars. If the signal bar is 1 only, reposition the camera and monitor, make sure all 3 antennas are pointing straight up. Or contact us to add 9901A 2M antenna to improve signal range. 9901A is only needed when distance is too far, or there is too much obstruction between the camera and monitor.

5 IP 69 Waterproof Camera



6 Touch buttons of the Monitor

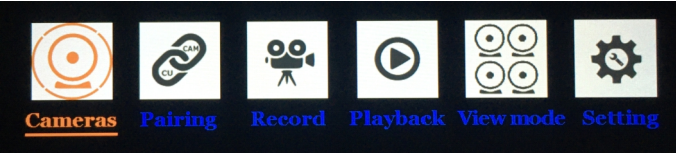


- SEL** Touch it to turn the parking line on and off. In menu mode, touch it to confirm/Select/Open.
- MODE** Press to switch Camera Channels.
- Left** Touch it to adjust brightness. Touch **Left** button to select brightness from up to down, touch **SEL** to confirm and save adjustment. In menu mode, touch it to reduce or left.
- MENU** Touch it to enter the menu mode or return to previous interface.
- Right** Turn DVR recording functions on and off. In menu mode, touch it to increase or right.
- POWER** Turn the monitor on and off

TIPS: When entering the "MENU" mode, the Left&Right key also function as plus and minus.

7 Menu Function Introduction

Touch the MENU button to enter the menu mode. There are 6 functions here: Cameras/Pairing/Record/Playback/View mode/Setting



① Cameras

You can adjust Flip&Mirror/Color/Parking line in this function

TIPS: You need to power on the camera and set the monitor on single full camera view only, in order to enter or adjust the camera view.

Step 1:

Touch **Menu** to enter menu mode. In the menu, the first icon is the **Cameras**.

Touch **SEL** button to enter the **Cameras** function (Touch Left&Right button to select from up to down).When the **Flip&Mirror** show orange, touch **SEL** button to confirm, you can flip the image into 4 modes(Rear View/Front View/Vertical rear view/Vertical front view).

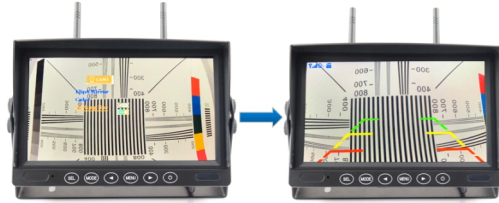


Step 2:

Touch **Left&Right** button to select from up to down. When the **Color** show yellow, touch **SEL** to confirm and use the **Left&Right** button to adjust. In this mode, you can adjust Brightness/Contrast/Saturation/HUE.s

Step 3:

Touch **Left&Right** button to select from up to down. When the **Parking line** show yellow, touch the **Left&Right** button to turn on/off the parking line, just touch the **SEL** button to confirm.



Touch the **Menu** button to return to previous interface

② Pairing

The system does NOT need to pair signals when you have received, because it has already been paired successfully. You just need to pair with the monitor when connecting new cameras or replace the original camera.

The pairing steps are as follows:

Step 1: Touch **MODE** to select which camera# you want to pair. Touch **MENU** button to enter menu mode (touch it once). In the menu, the second icon is the Pairing (Touch left and right to switch different features).

Before operation, make sure you connect the power cable and antenna to the camera.

Step 2: Touch the **SEL** key to confirm and enter this mode. The monitor starts pairing.

Step 3: When you see PAIRING START on screen, the camera needs to be powered off and then powered up immediately, wait few seconds. The image will appear, that means the paired successfully.



Touch the **Menu** button to return to previous interface

③ Record

WARNING: Using recording feature might slow down your image display or signal refresh rate if slow SD Card is used. Only insert high speed SD card to turn the recording feature on when you absolutely wanted to use the recording feature.

Touch **MENU** button to enter menu mode (touch it once). In the menu, the third icon is the **Record**. In this mode, you can set the record time (1 Min/3Min/5Min) and Format the SD card. When you insert the SD card for the first time, you need to format the SD card through format, and then use it. You need to push **Right** button to start recording when you turn on the unit.



Touch the **Menu** button to return to previous interface

④ Playback

Touch **MENU** button to enter menu mode (touch it once). In the menu, the fourth icon is the **Playback**. The monitor needs to insert an SD card to use this function. If the SD card is inserted, the recorded videos will be stored here. You can watch the record videos here.



Touch the **Menu** button to return to previous interface

⑤ View mode

Touch **MENU** button to enter menu mode (touch it once). In the menu, the fifth icon is the **View Mode**. In this mode, you can set split screen and quad screen just depend on your need.



The monitor supports adding 1 to 4 cameras



Single Full Screen

Split Screen

Quad Screen

⑥ Setting

Touch **MENU** button to enter menu mode (touch it once). In the menu, the sixth icon is the **Setting**. In this mode, you can set the Scan Time/Date&Time/Language/Delay Time/CAM select.

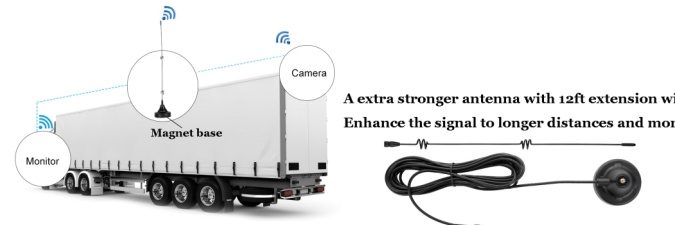
CAM Select (Camera ON/OFF)

Touch **SEL** button to turn on or turn off the camera (CAM1/CAM2/CAM3/CAM3) you need in this system.



8 Optional Only - Booster antennas for RV camera

If your vehicle is too larger over 55ft or special use to need a larger antenna with Magnet base and 12ft extension to enhance signal, please contact us with the email to get one. This antenna can close the antenna position to makes the signals transmitting powerful. If you experience signal issue, and your camera signal strength indicator has one bar and below, we would suggest to add a 9901A antenna to boost signal strength.



9 Optional Only - Memory card installation

WARNING: Using recording feature might slow down your image display or signal refresh rate if slow SD Card is used. Only insert high speed SD card to turn the recording feature on when you absolutely wanted to use the recording feature. Only insert SD Card when you have intention to record.

Remove the screws, you would see the slot of SD Card where you can insert the SD card for recording data save. Only use high speed SD card.



10 Warranty



One year manufactory warranty and lifetime tech support. You can get a free two years extended warranty (see page#2 above) by register online and follow the procedure. Please contact us if you meet any product issues.

11 Troubleshoot

1. If there is no image after installed the system, please check whether the monitor is powered on first. If the monitor button lights up, it means that has power. Then please check the camera's infrared lights by cover the center camera light sensor when it is power on. If not lit on, it may be the camera was burn out or not power.

2. Please check the Positive and Negative poles of the power supply before installation. If the Positive and Negative poles are connected in opposite directions, the camera will be damaged.

3. Sometimes due to the length of the vehicle is too long or the material of the vehicle is thick, plus the driving speed is too fast, the signal becomes weak or the image is delayed. Please contact tech support to get the 7db antenna with 12ft extension cable that improve signal.

4. If your car is a brand VW, Dodge, Audi, BMW, Mercedes car, you might find the image flashing all the time after you start your car engine. If you get a good image when key in ACC, but image flicker once engine on, then you need a "12v dc power adapter filter rectifier".

TIPS: If you have any question or experience any issue on this product, please contact 4UCam by email or phone directly. We have various solutions for your application and will guaranty you to have a good and working unit at the end. Please do not contact Amazon since they do not have such product related expertise and will only advise you to return or exchange the product.

If you run into any issues with this product, for example, installation, signal, or anything else, please contact us to get professional help.

Thank you!