



# Digital Wireless Backup Camera System User Manual



Note: All pictures and illustrations in this document are for your reference only and may differ from the final product !

**Model: RCVT070**

## Table of Content

| Contents                                        | Page |
|-------------------------------------------------|------|
| 1 . Introduction .....                          | 1    |
| 2 . Important Safety Instructions .....         | 1    |
| 3 . Important Maintenance Instructions .....    | 2    |
| 4 . Friendly Tips .....                         | 2    |
| 5 . What' s in the box? .....                   | 5    |
| 6 . Monitor and Camera Installation .....       | 5    |
| 7 . Monitor and Camera Wiring Instruction ..... | 8    |
| 8 . Monitor Display Key Configuration .....     | 10   |
| 9 . Operation Instructions .....                | 11   |
| 10 . Technical information .....                | 19   |
| 11 . Warranty .....                             | 20   |
| 12 . Troubleshooting .....                      | 21   |
| 13 . FAQs .....                                 | 22   |
| 14 . FCC Statement .....                        | 23   |
| 15 . Contact and Support .....                  | 24   |

## 1. Introduction

Thank you for purchasing our product Vtimes RCVT070, please read this user guide thoroughly before operating and keep it for future reference.

The Digital Wireless Backup Camera System RCVT070 will improve your ability to see behind your car, pickup truck , camper, travel trailer, tractor, fifth wheel trailer or motorhome more safer and easier. We have taken numerous measures to ensure that your product is delivered in top condition and will perform to your satisfaction.

With a 120-degree wide-angle view, this high-definition camera records video that is very clear and helps you avoid blind places when parking or reversing. With an IP69K rating for waterproofing and a strong build, the Vtimes RCVT070 is made to survive harsh weather and work reliably anywhere. It also has an infraed night vision function for better viewing at night.

## 2. Important Safety Instructions

- If you are not confident working with 10V/ 32V DC vehicle wiring, contact your vehicle manufacturer or your nearest retailer/ installer to get a professional installation. Improper installation will void manufacture warranty.
- Do not watch movies or operate the monitor while driving; as it may cause an accident.
- The camera system is only as an aid. It is not a substitute for your attention to the surroundings. The responsibility for safe driving and parking remains with you.
- The camera system should not be opened. Any attempt at modification or repair by the user will void the warranty.

- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.
- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.

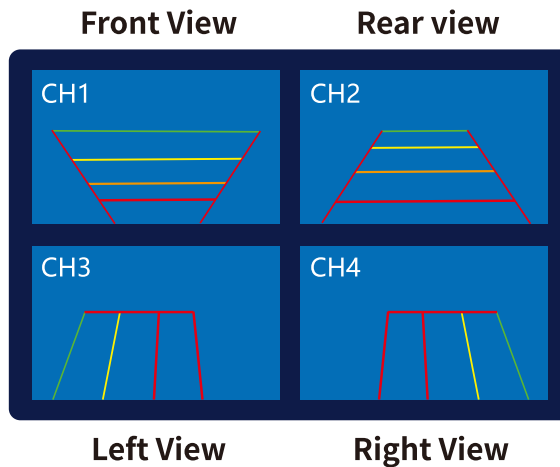
### 3. Important Maintenance Instructions

- **Clean the Camera Lens:** Regularly clean the camera lens to ensure clear visibility. Use a soft cloth and avoid abrasive materials that could scratch the lens.
- **Check for Loose Connections:** Periodically check the camera and monitor connections to ensure they are secure and working correctly.
- **Protect the Wireless camera:** Ensure the wireless transmitter is properly protected from extreme weather conditions.
- **Store Properly:** When not in use, store the monitor and camera in a cool, dry place to prevent damage.
- **Check for Damage:** Inspect the camera and monitor for any physical damage. If you notice any cracks, water intrusion, or malfunctioning, replace the damaged part immediately.

### 4. Friendly Tips

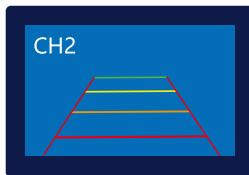
Vtimes - Digital Wireless Backup Camera System- RCVT070 is supplied with one camera and one 7 inch HD monitor only. The camera is configured as Channel 2 rear view and paired with monitor already before ex-factory. It can immediately use when powered on the system after mounting both monitor and camera on the vehicles.

However, it can further installed up to four cameras system. Additional camera can be purchased separately. Figure 1 shows the general view of four cameras fully installed.



(Fig. 1)

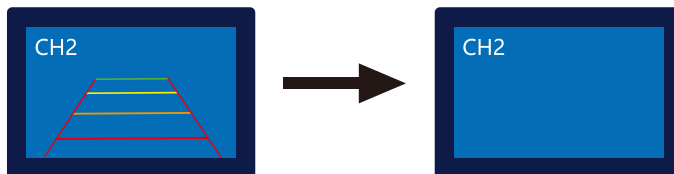
Figure 1: General view of up to four cameras in split mode-CH1-Front view CH2 Rear view, CH3 Left view & CH4 Right view. Note:



(Fig. 2)

**Note: The CH2 channel -Rear view was configured and paired with one camera only in Model RCVT070 (Fig. 2) .**

Another friendly feature allows you to turn on the guild line mode ON and OFF by pressing **F3/OK** button as your option shown in Figure 3. It provides an option for how you want to watch things while parking or backing up.



(Fig. 3)

## TF Card Friendly Tips:



The TF card is NOT included; please prepare one yourself.

1. Insert the TF card into the recorder cardslot. NOTE: Please use high speed TF card (Class 10 or above), capacity not less than 8GB while TF card supports 128GB maximum.

2. Fix the recorder on the center console of the car.

3. Please format the TF card first time you insert it.

4. Please do not unplug the TF card while the machine is working to avoid damage.

5. Please note the direction of TF card insertion, if inserted upside down, it may damage the machine and TF card.

6. When you insert the TF card into the machine, the machine will set the TF card as the preset storage device and the data in the original TF card may not be read.

7. If the TF card is not compatible with the machine, please insert it again or try again with another TF card.

## 5. What's in the box

### Package List:



7 Inch Monitor



Camera x1



Table Mount Bracket



Bracket Stickers



Antenna x2



Suction Cup Mount



Car Charger



Hardwired Power Cable



Installation Kit



Instructions Manual

Note: All pictures and illustrations in this document are for your reference only and may differ from the final product .

## 6. Montior and Camera Installation

### A. Montior Installation

There are two ways of monitor installation – Suction Cup Mounting and On Dashboard Mounting.



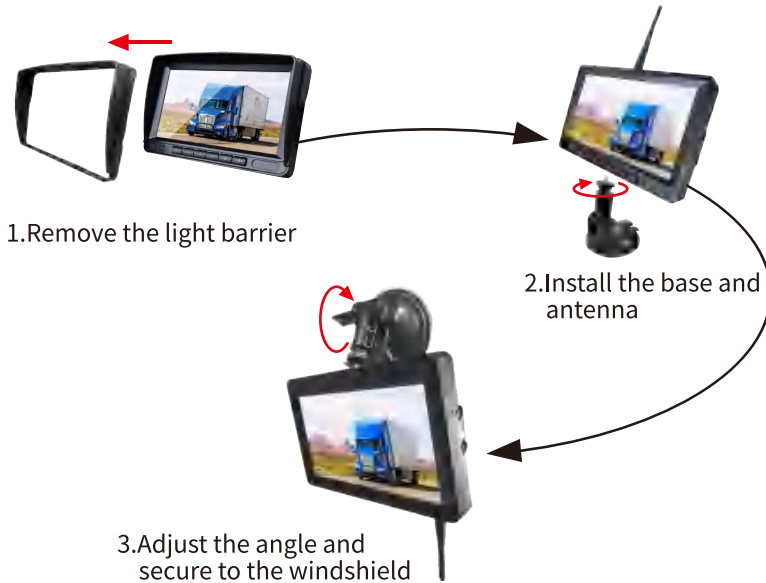
(Fig. 4a)

#### Figure 4: Monitor- Suction Cup mounting Way

Note: Make sure the monitor is mounted in a location that will not obstruct your vision while driving

##### 1. Suction Cup Mounting.

a. Screw the suction cup mounting into the monitor back metal hole.



(Fig. 4b)

#### Figure4b: Attach the suction Cup to Monitor.

- a. Screw the suction cup into the monitor
- b. Before mounting the monitor, clean the mounting surface well.
- c. Position the suction cup to your wind shield.
- d. Press the suction cup against the surface and press the lock down to fix it.

To maximize the efficiency of the suction cup mount , it is recommended that the mounting be performed under the following conditions :

- i) Surface temperature should be between 21°C and 38°C.
- ii) Mounting below 10°C should be avoided.
- iii) Mounting should not occur in direct sunlight

## 2. On Dash Mounting



(Fig. 5)

### Figure 5: Monitor-On Dash Mounting Way

You can fix monitor on dash by using the supplied both U shape table mount bracket stand and bracket stickers shown in Figure 6

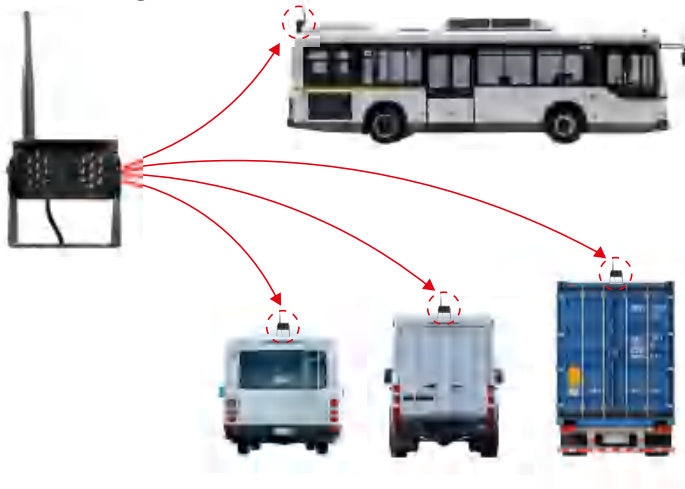


(Fig. 6)

## B. Camera Installation

(a) Install the rear camera in the rear of the vehicle, pay attention to the direction when installing.

### Camera Positioning



## 7. Monitor and Camera Wiring Instructions

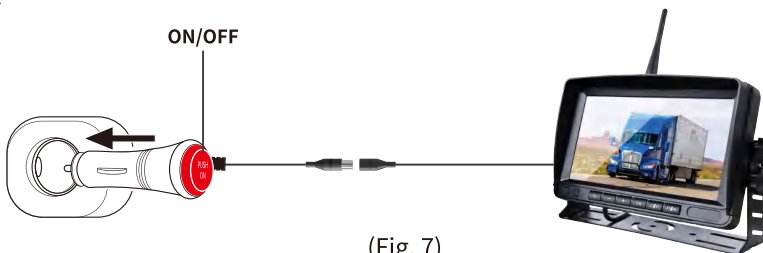
### A. Monitor Wiring

(a) Connect the monitor's power cable socket with the supplied cigarette lighter car charger (Figure 7). Make sure the cable must not interfere with safe driving operations.

(b) Insert cigarette lighter car charger into the vehicle's power socket.

(c) Red push button on top car charger to turn it on.

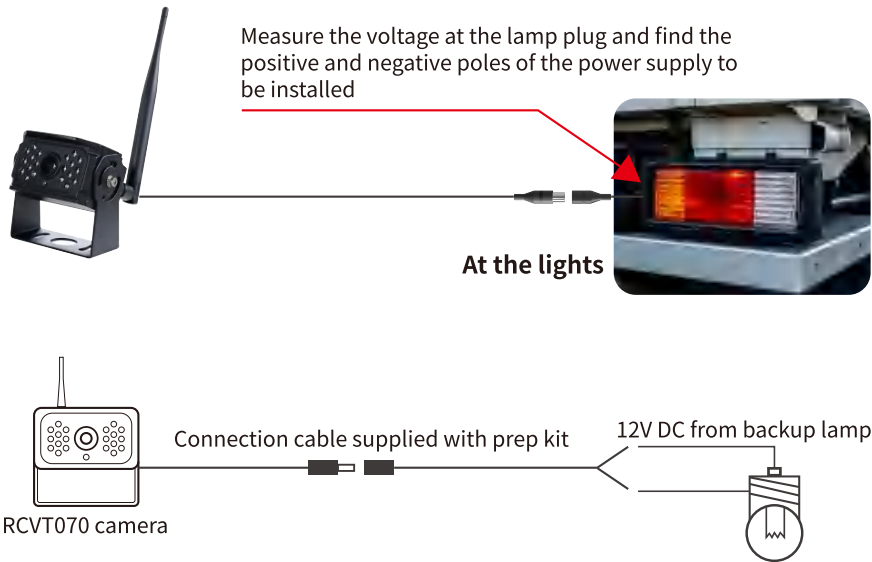
NOTE: There is a 12V 1A inline fuse under the plunger of the cigarette lighter plug.



(Fig. 7)

## B. Camera Wiring

Connect wires as figure 8 below

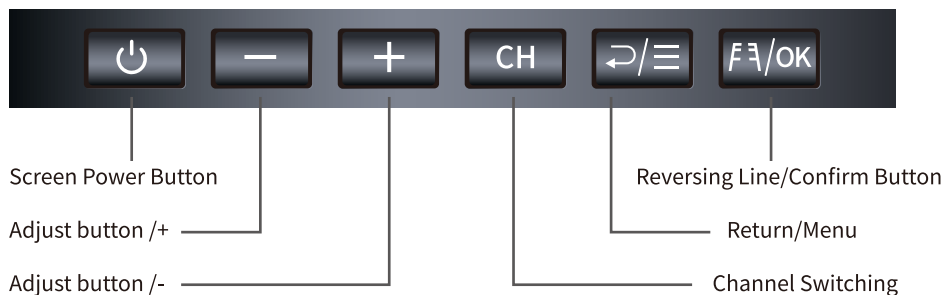


(Fig. 8)

### Figure 8 : Camera Wiring

- (a) Locate the power source required : Backup lights if used as a backup camera.
- (b) Once you have located the power source, route the camera cable to that location. Never route the cable on the outside of the vehicle.
- (c) If you are not confident working with camera wiring, contact your vehicle manufacturer or your nearest retailer/ installer to get a professional installation.

## 8. Montior Control Key Configuration

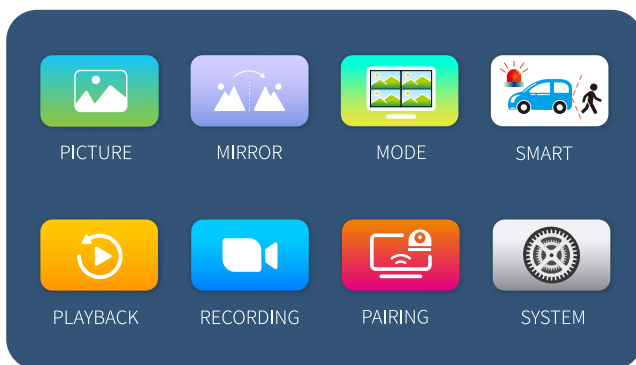


|                                                                                     |                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Press this key to turn off the screen display/turn on the screen display                                                                                                                                           |
|    | <ol style="list-style-type: none"> <li>1. When the picture is normal, press this key to enlarge the picture</li> <li>2. Move the cursor, options menu</li> <li>3. Increase the selected parameter value</li> </ol> |
|    | <ol style="list-style-type: none"> <li>1. When the picture is normal, press this key to reduce the picture</li> <li>2. Move the cursor, options menu</li> <li>3. Reduce the selected parameter values</li> </ol>   |
|    | Switch channels, you can switch channel 1/channel 2/channel 3/channel 4                                                                                                                                            |
|   | Return/Menu                                                                                                                                                                                                        |
|  | <ol style="list-style-type: none"> <li>1. Reversing Line</li> <li>2. When selecting a function, press the key to confirm the current operation</li> </ol>                                                          |

## 9. Operation Instructions

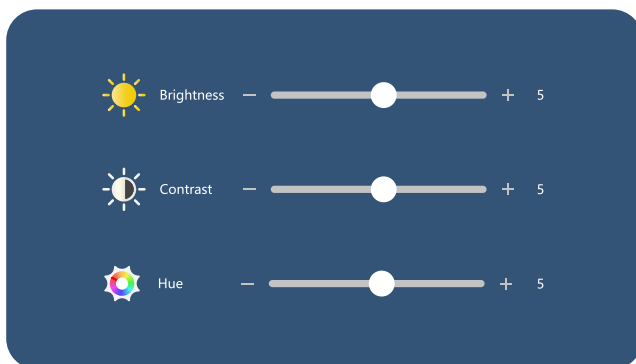
### 1.Setting

Open the main menu: short press 



#### (1). Brightness/Contrast/Hue setting:

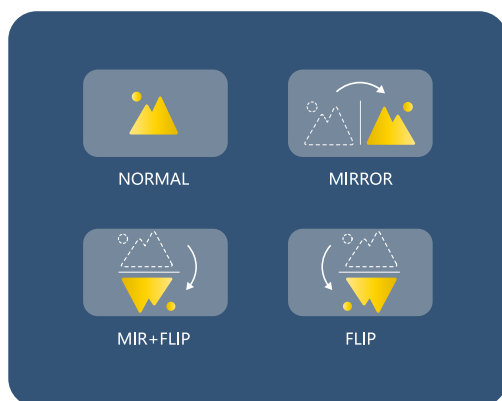
Press the   button to select it  , and press the  key to enter the settings page



Press the   buttons, select the corresponding options, press the  key to enter the setting state, and then press the   keys to adjust the parameter values, and after the adjustment, press the  key to exit the setting state.

## (2). Flip the screen to display:

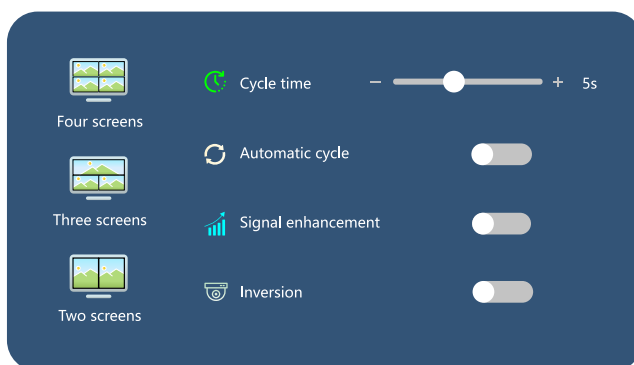
Press the   button to select it  , and press the  key to enter the settings page



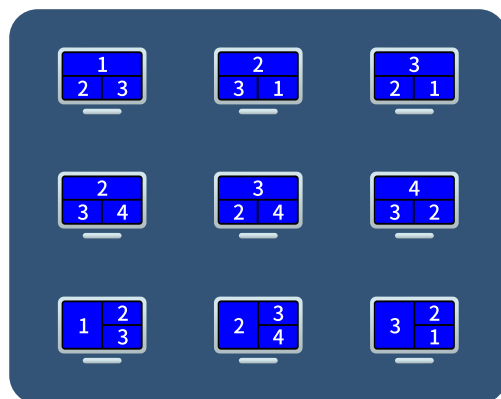
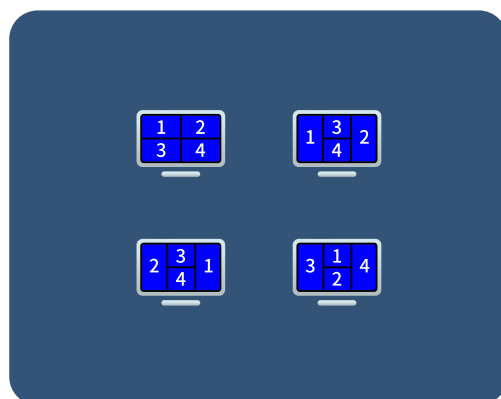
Press the   buttons, select the flip mode, and press  to exit to the previous menu

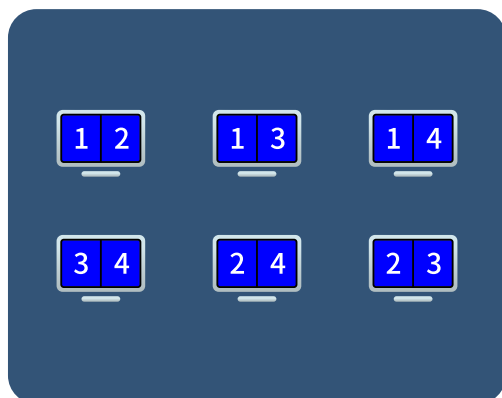
## (3). Split screen mode:

Press the   button to select it  , and press the  key to enter the settings page



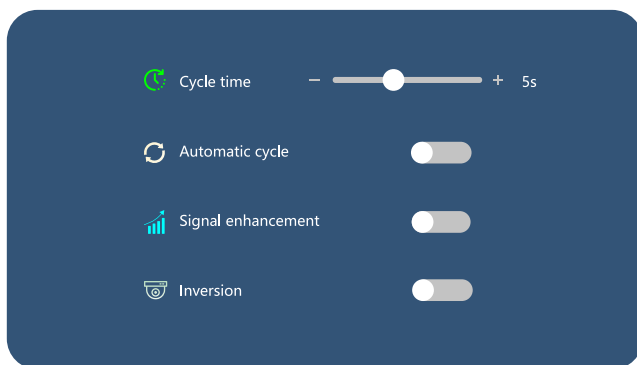
Press the **−** **+** button to select the left split-screen mode, press the **F3/OK** key to enter the mode selection page, and press **⇐/≡** to exit to the upper menu.





Press the   button to select a different split-screen mode, and press the  key to confirm and exit to the previous menu

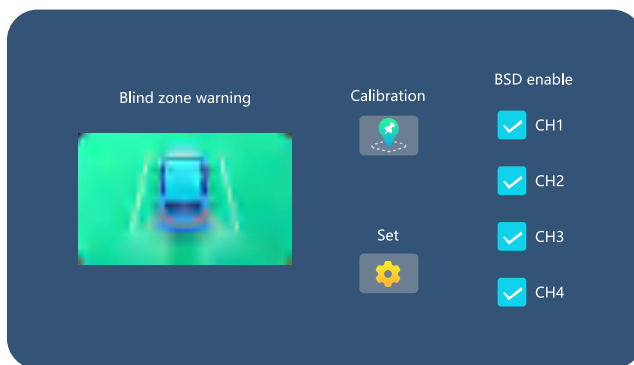
Select the right side to set the function:



Press the   keys to select the setting items, press the  key to turn on or off the corresponding function, and press  to exit to the previous menu

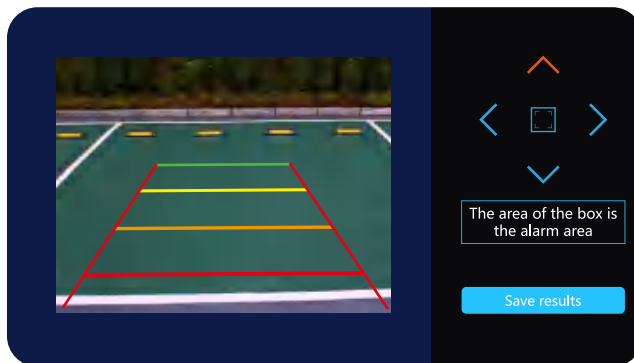
#### (4). Intelligent alarm setting:

press the   button to select , and press the  button to enter the setting page



Press the   keys to select the setting items, press the  key to turn on or off the corresponding function, and press  to exit to the previous menu

After selecting , press  to enter the alarm cordon adjustment screen



In this setting interface, press the   keys to switch the setting direction, orange means selected, press the  key to adjust the angle of the warning line, after the adjustment, press the   button, select the [Save results] button, then press  to save the adjustment result, and press  to exit to the previous menu

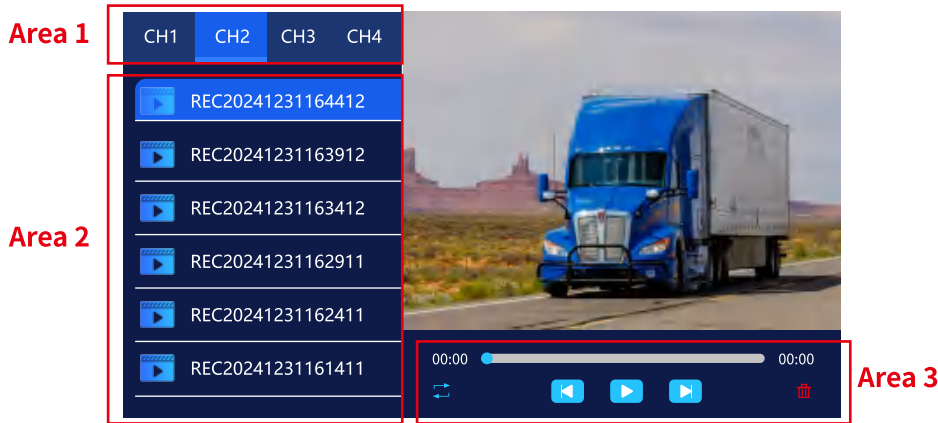
After selecting the  option, press  to enter the settings: turn on or off [Alarm Sound/Cordon], select the sensitivity, and press  to exit to the previous menu



[BSD enable] option: Press the  key to enable the alarm function of the corresponding channel, and press  to exit the previous menu

**(5). Video playback:**

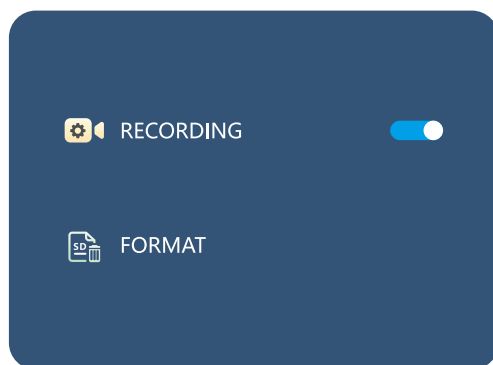
Press the   button to select it  , and press the  button to enter the playback page



Press the  key to switch between these 3 areas, switch to a certain area, and then press the   key to select an option in this area, press the  key to confirm

#### (6). Video settings:

Press the   button to select it  , and press the  button to enter the video settings page



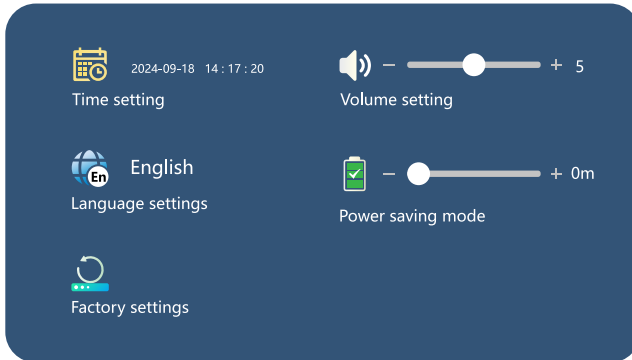
Press the   keys to select the setting items, press the  key to turn on or off the corresponding function, and press  to exit to the previous menu

#### (7). Camera and Monitor pairing:

Press the   keys to select it  Press the  key to start pairing the current channel, and after the pairing is complete, it will automatically exit.

### (8). System function settings:

Press the   button to select it  , and press the  button to enter the video settings page



Press the   keys to select the setting items, press the  key to enter the corresponding setting interface, then press the   keys to complete the corresponding settings, press the  key to confirm the settings, and press  to exit to the previous menu

## 10. Technical Specifications

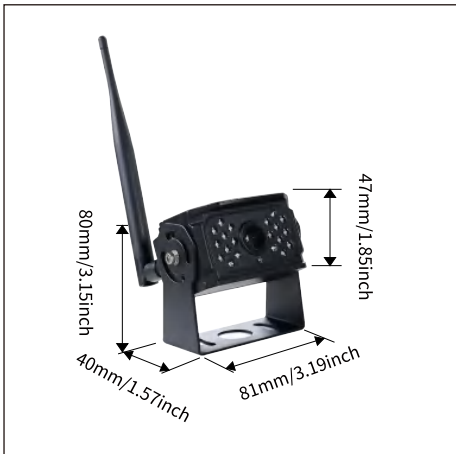
### Display Parameters

7 inch single screen / 2 split / 3 split / 4 split display, with built-in recording function



|                                              |
|----------------------------------------------|
| Voltage: DC 10-32V                           |
| Display Resolution: 1024 x 600               |
| Brightness: 600 cd/m <sup>2</sup>            |
| Standard: PAL/NTSC                           |
| Viewing Angle: U: 85 / D: 85, R/L: 85        |
| Display Mode: single / double / three / four |
| Video Compressor: H.265                      |
| Supported SD Card: 8G~128GB                  |
| Image Delay: 120ms                           |
| Operating Temperature: -20°C ± 75°C          |
| Storage Temperature: -30°C ± 80°C            |

### Camera Parameters



|                                      |
|--------------------------------------|
| Voltage: DC 10-32V                   |
| Effective Pixels: 1280 (H) x 720 (V) |
| Standard: PAL/NTSC                   |
| Viewing Angle: 100°-120°             |
| Video Compressor: H.265              |
| Signal to Noise Ratio: < 48dB        |
| Waterproof Level: IP69K              |
| White Balance: Automatic             |
| Automatic Fill Light: 20             |
| Operating Frequency: 2.4Ghz          |
| Operating Temperature: -20°C ± 75°C  |
| Storage Temperature: -30°C ± 80°C    |

## 11. Warranty

### **What does this warranty cover?**

The manufacturer of this product warrants to the holder of a valid proof of purchase (“Consumer ” or “you”) that the Product and all accessories provided in the sales package (“Product”) are free from defects in material and workmanship , pursuant to the following terms and conditions , when installed and used normally and in accordance with the Product operating instructions .

### **How long is the limited warranty period?**

The limited warranty period for the Product extends for ONE ( 1 ) YEAR from the date of purchase .

### **What is not covered by this warranty?**

This limited warranty does not cover:

- 1 . Product that has been subjected to misuse , accident , shipping or other physical damage , improper installation , abnormal operation or handling , neglect , inundation , fire .
- 2 . Product that has been damaged due to repair, alteration or modification by anyone other than an authorized service representative of manufacturer;
- 3 . Product to the extent that the problem is caused by use with non-manufacturer accessories ;
- 4 . Product whose warranty/quality stickers , product serial number plates or electronic serial numbers have been removed , altered or rendered illegible;
- 5 . Product purchased , used , serviced , or shipped for repair from outside the United States of America .
- 6 . Product returned without a valid proof of purchase (see item 2 below) ;

### **What must you return with the Product to get warranty service?**

- 1 . Return the entire original package and contents including the Product to the manufacturer service location along with a description of the malfunction or difficulty; and
- 2 . Include a “ valid proof of purchase ” (sales receipt) identifying the Product purchased ( Product model) and the date of purchase or receipt;
- 3 . Provide your name ,complete and correct mailing address , and telephone number Please retain your original sales receipt as proof of purchase .

## **12. Troubleshooting**

### **No Display on the Monitor:**

- Ensure that both the camera and monitor are powered on and properly connected to the power supply.
- Check the wireless transmitter for secure connection and functioning.
- Adjust the antenna on the wireless transmitter for better signal reception.

### **Poor Video Quality or Signal Loss:**

- Check the distance between the camera and monitor. If the signal is weak, adjust the wireless transmitter’ s antenna or relocate it.
- Ensure there are no obstructions causing interference with the wireless signal.

### **Camera Not Powering On:**

- Check the power cables for any loose connections.
- Inspect the camera’ s fuse or power switch for potential issues.
- Ensure the camera is properly connected to a 12V DC power source.

### **Monitor Flickering or Glitching:**

- Make sure the monitor is securely connected to the power supply.
- Try resetting the system by turning the monitor and camera off and back on again.

- Check for interference from other wireless devices nearby.

**Camera is Blurry or Dirty:**

- Clean the camera lens with a soft, dry cloth.
- Check the camera for any obstructions or dirt on the lens.
- Ensure the camera's position is adjusted correctly for optimal viewing.

## 13. FAQs

**1.What is the resolution of the Vtimes RCVT070 Backup Camera System ?**

The Vtimes RCVT070 Backup Camera System features a high-definition 720P camera, providing clear and crisp video footage for better visibility while reversing or parking.

**2.How wide is the viewing angle of the Vtimes RCVT070 Backup Camera System ?**

The Vtimes RCVT070 Backup Camera System offers a 120-degree wide-angle view, which helps reduce blind spots and enhances safety while driving.

**3.What type of installation does the Vtimes RCVT070 Backup Camera System require?**

The Vtimes RCVT070 Backup Camera System is designed for installation, with all necessary installations kits, hardwired power cable ,car charger,table mount bracket, suction cup mount .

**4.What is the range of the wireless signal for the Vtimes RCVT070 Backup Camera System ?**

The Vtimes RCVT070 Backup Camera System offers a stable wireless transmission with a range of up to 1000 feet in open areas.

**5.What kind of display does the Vtimes RCVT070 Backup Camera System use?**

The Vtimes RCVT070 Backup Camera System features a 7-inch HD LCD

## **6.What is the operating temperature range of the Vtimes RCVT070 Backup Camera System features?**

The Vtimes RCVT070 Backup Camera System features operates efficiently in a wide range of temperatures (see technical specification section), making it suitable for various weather conditions and environments.

## **14. FCC Statement**

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 radioor television reception,which can be determined byturning the equipment off and on,the user is encouraged to try to correct the interference by one or more of thefollowing 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 thereceiver is connected.

To assure continued compliance,anychanges or modifications not expressly approved by the party.

Responsibility for compliance could void the user's authority to operatethis equipment.(Example-use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

FCC radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

## 15. Contact & Support

For any inquiries with Vtimes products , please feel free to contact us , we will respond within 24 hours .

End user can email to “ **service@vtimesstore.com** ” for product service!

Notice: Due to product upgrades or technical updates, the user manual may sometimes be changed in need. The manufacturer reserves the right to modify and update product specifications without prior notice.

Scan the QR code for Video link: Menu Operation -Vtimes RCVT070 Digital Wireless Backup Camera System.



Use the Menu Operation Tutorial