License Plate Video Parking Sensor

Product Manual / Installation Instructions

Rear View Camera System
Model # RVS-5350-W
TO OUR LOYAL CUSTOMERS:

Congratulations on purchasing a Rear View Backup Camera System. With this manual you will be able to properly install and operate the unit.

To insure the best performance and avoid any false alarm or function failure, please read this manual carefully and install it accordingly.

Packing list:
Monitor
License plate camera with built in sensors
2 - Wireless transmitters with RCA connections.
4 pin Camera input with sensor speaker attached

5.3 Cable connection instruction

Note:
Before installing system let the components of the exhaust system cool down. This will make the installation safer and preclude heat damage to the backup sensor wiring or components.
5.4 Installation Instructions:

Monitor:
- Attach the monitor to the dash with the 3M sticker.
- Connect the wireless receiver to the YELLOW RCA input labeled AV2. Connect the monitor to the receiver.

Camera:
- Use a screwdriver to remove the screws of the license plate. Line up the screw holes on the camera with the holes on the license plate and attach the camera using the license plate screws.
- Plug the anti-dismounting cap into the screw hole.
- Connect the 4 pin connection on the camera to the 4 pin connection on the camera wiring harness.
- Attach the wireless transmitter to the YELLOW RCA port labeled AV-OUT.
- Connect both the camera and the transmitter to a 12V power source from the reverse lights.

**NOTE:**
When connecting the power wires, connect the RED to power and the BLACK to ground.

5.5 Display Installation

3. Align the host bracket screw groove and the plate screw holes, Locking screw.

4. Plug the anti dismounting cap into the screw hole. Connect the cable.
Tools Needed

- Small flat-tip Screwdriver
- #2 Phillips Screwdriver
- Tape Measure
- Black Electrical Tape
- Masking Tape
- Multimeter
- Pliers
- Pencil/Marker

Testing the system:
After installing the system, test the sensors.

Warning:
Do not stand behind a moving vehicle death or injury could occur. Prior to testing, set the parking brake on, ignition key on (do not start), step foot on brake and shift the vehicle into reverse. Ensure that the engine is not running while proceeding with the following tests:

Test the system operation with a large object (piece of wood (60*30*1cm) or other object (not too small). Start with the object more than 1m away from the vehicle. Then move the object closer the vehicle and ensure that the buzzer, LED, and distance indicators display correctly.
## Specifications

<table>
<thead>
<tr>
<th>Operating voltage</th>
<th>DC9~16V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating current</td>
<td>≤150mA</td>
</tr>
<tr>
<td>Ultrasonic frequency</td>
<td>40KHz</td>
</tr>
<tr>
<td>Detecting distance</td>
<td>0.3~1.50m</td>
</tr>
<tr>
<td>Camera Angle</td>
<td>120 degree</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-20°C ~ 85°C</td>
</tr>
<tr>
<td>Store temperature</td>
<td>-30°C ~ 85°C</td>
</tr>
</tbody>
</table>

### Alarm MODE

<table>
<thead>
<tr>
<th>Awareness</th>
<th>Distance</th>
<th>Sound</th>
<th>Digital Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe mode</td>
<td>130-150cm</td>
<td>Bi...Bi...</td>
<td>1.3m-1.5m</td>
</tr>
<tr>
<td>Alarm mode</td>
<td>90-130cm</td>
<td>Bi..Bi..</td>
<td>0.9m-1.3m</td>
</tr>
<tr>
<td>Alarm mode</td>
<td>60-90cm</td>
<td>Bi.Bi.</td>
<td>0.6m-0.9m</td>
</tr>
<tr>
<td>Dange mode</td>
<td>40-60cm</td>
<td>BiBi</td>
<td>0.4m-0.6m</td>
</tr>
<tr>
<td>Dange mode</td>
<td>0-40cm</td>
<td>Biii</td>
<td>0.0m</td>
</tr>
</tbody>
</table>
Limitations:

The sensors may not work if an object does not reflect the ultrasonic waves or it has an unusual shape. This may apply to a pole, cardboard carton, bicycle tire, small or slender tree or a low curb. The sensor may not detect another vehicle bumper if it is too high.

Also note: This system has different detection distance to different objects. To a wall, the max detection distance is 1.8m. To the human body, the max detection distance is 1.0m. In some special cases, the display may not be the same as the real condition due to the sensor position, obstacle shape, reflection condition and so on. Some examples are given below:
Troubleshooting:

No buzzer or display at power up.
1. Is power wire connected to control unit correctly?
2. Verify (+) 12V at control unit when vehicle is in reverse.
3. Verify the ground connection.
4. Have you connected to the correct reversing indicator wire?
5. Do you have a minimum of (+) 12V and ground at the display?

No reverse image.
1. Is the connection of camera power cable and AV cable are right or not?
2. Is AV cable connected to AV2?

Guarantee time: 12 months.
The guarantee will be effective with the stamp/signature of the dealer.
Please keep the guarantee form well to ensure 12 months guarantee.
One Year Warranty
Rear View Safety, Inc. warrants this product against material defects for a period of one year from date of purchase. We reserve the right to repair or replace any such defective unit at our sole discretion. Rear View Safety, Inc. is not responsible for a defect in the system as a result of misuse, improper installation, damage or mishandling of the electronic components. Rear View Safety, Inc. 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, neglect or accident; or the damage is due to use of the Rear View Safety, Inc. 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 REAR VIEW SAFETY, INC. PRODUCT IS RETURNED, POSTAGE PREPAID AND INSURED, TO REAR VIEW SAFETY, INC. OTHER THAN THE POSTAGE AND INSURANCE REQUIREMENT, NO CHARGE WILL BE MADE FOR REPAIRS COVERED BY THIS WARRANTY.

Warranty Disclaimers
NO WARRANTY, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, OTHER THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS REAR VIEW SAFETY, INC. REAR VIEW SAFETY, INC. DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE AND ALL OTHER WARRANTIES IN NO EVENT SHALL REAR VIEW SAFETY. INC. LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OR FOR ANY COSTS, ATTORNEY FEES, EXPENSES, LOSSES OR DELAYS ALLEGED TO BE AS A CONSEQUENCE OF ANY DAMAGE TO, FAILURE OF, OR DEFECT IN ANY PRODUCT INCLUDING, BUT NOT LIMITED TO, ANY CLAIMS FOR LOSS OF PROFITS.
Disclaimer

Rear View Safety and/or its affiliates does not guarantee or promise that the user of our systems will not be in/part of an accident or otherwise not collide with an object and/or person. Our systems are not a substitute for careful and cautious driving or for the consistent adherence to all applicable traffic laws and motor vehicle safety regulations. The Rear View Safety products are not a substitute for rearview mirrors or for any other motor vehicle equipment mandated by law. Our camera systems have a limited field of vision and do not provide a comprehensive view of the rear or side area of the vehicle. Always make sure to look around your vehicle and use your mirrors to confirm rearward clearance and that your vehicle can maneuver safely. Rear View Safety and/or its affiliates shall have no responsibility or liability for damage and/or injury resulting from accidents occurring with vehicles having some of Rear View Safety products installed and Rear View Safety and/or its affiliates, the manufacturer, distributor and seller shall not be liable for any injury, loss or damage, incidental or consequential, arising out of the use or intended use of the product. In no event shall Rear View Safety and/or its affiliates have any liability for any losses (whether direct or indirect, in contract, tort or otherwise) incurred in connection with the systems, including but not limited to damaged property, personal injury and/or loss of life. Neither shall Rear View Safety and/or its affiliates have any responsibility for any decision, action or inaction taken by any person in reliance on Rear View Safety systems, or for any delays, inaccuracies and/or errors in connection with our systems functions.
If you have any questions about this product, contact:

Rear View Safety, Inc.
1797 Atlantic Avenue
Brooklyn, NY 11233
800.764.1028

BETTER CAMERAS. BETTER SERVICE.
IT’S OUR GUARANTEE.