License Plate Video Parking Sensor

Product Manual / Installation Instructions

Rear View Camera System
Model # RVS-5350

Rear View Safety, Inc. © 2015
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
Camera Cable with sensor attachment
5.3 Installation Instructions:

Monitor:
- Attach the monitor to the dash with the 3M sticker.
- Connect the camera cable to the YELLOW RCA input labeled AV2 and connect the power wires on the monitor to a 12V power source. If it is connected to AV1 the sensors will not appear on the monitor.

Camera:
- Use a screwdriver to remove the screws of the licence 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.
Installation Instructions

- Connect the 4 pin connection on the camera to the 4 pin connection on the camera wiring harness.
- Connect the power wires on the wiring harness 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

Monitor
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.
If you see the sensors but do not hear an audible alert, press the button on the back of the monitor.

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>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating voltage</td>
<td>DC9~16V</td>
</tr>
<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>Dânge mode</td>
<td>0-40cm</td>
<td>Biii</td>
<td>0.0m</td>
</tr>
</tbody>
</table>
Installing & Splitting Embedded Monitor

Installing sun shield: Put shade cover on the display. Installing back cover: Put the monitor with shade cover in the back cover (only for embedded monitor)

Splitting back cover: Hold monitor with 2 hands and detach with fingers, as indicated by arrows. (only for embedded monitor)

Splitting sun shield: Take the monitor with the left hand and detach with right hand as indicated by the white arrow. (see below)
Limitations:

The sensors may not work if an object does not reflect the ultrasonic waves or it has an unusual shape, pole, cardboard carton, tire of bicycle, small or slender tree, rectangular lumber or curbs tone. The sensor may not detect another vehicle bumper if it is too high.

Also note: This system has different detection distance to the different object. To the wall, the max detection distance is 1.8m; tho the human body, the max detection distance is 1.0m; to the colum is 40cm, the max detection tion, 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.

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If you have any questions about this product, contact:

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