



RIDEVISION RV1 Collision Avoidance System User Manual

[Home](#) » [RIDEVISION](#) » RIDEVISION RV1 Collision Avoidance System User Manual 

Contents

- [1 RIDEVISION RV1 Collision Avoidance System](#)
- [2 Introduction](#)
- [3 Disclaimers](#)
- [4 Maintenance and daily use](#)
- [5 Installation](#)
- [6 Included Hardware:](#)
- [7 Tech Specs](#)
- [8 Functionality](#)
- [9 Documents / Resources](#)
- [10 Related Posts](#)

RIDEVISION

RIDEVISION RV1 Collision Avoidance System



Introduction

Congratulations on buying the world's most advanced Collision Avoidance System for two-wheeled vehicles. We built this system specifically for riders like you, who are dedicated to staying safe while enjoying every ride.

We hope you enjoy this lifechanging and fun product, and we encourage you to write to us at support@ride.vision with any questions, feedback, suggestions, or comments you may have.

We strongly encourage you to have the Ride Vision 1 (RV1) system installed on your vehicle by a certified installer. Certified installers near you can be found at

www.ride.vision/installers

Once the system is installed, simply open the Ride Vision mobile app to finish the setup process. The Ride Vision app is available for iOS and Android devices, more information on the app and its functions can be found at

www.ride.vision/app

Disclaimers

Warning:

RV1 is a rider aid and should be used for informational purposes only. This product does not replace a safe and conscientious rider or override any rider inputs. RV1 cannot compensate for a rider who, without limitation, is distracted, tired or under the influence of drugs or alcohol. It is the rider's responsibility to use safe driving judgment, to take measures to avoid an accident and to comply at all times with all laws and regulations.

Warnings:

The ability for RV1 to detect a threat and issue a warning may be limited in some circumstances, such as, without limitation, bad weather, low visibility or certain road conditions (e.g., limited view, road obstacles) or if you do not comply with the maintenance steps described in this manual.

Whether or not RV1 is operating, it is the rider's responsibility to maintain vehicle control as described above. Failure to do so may result in serious personal injury, severe property damage or death.

Ride Vision hereby disclaims any liability for injuries, damages, or death arising from the use of RV1.

While RV1 represents a state-of-the-art innovation in machine vision software and other technologies, Ride Vision cannot and does not guarantee 100% accuracy in the detection of vehicles or driving lanes, and therefore does not guarantee the provision of any related audio or visual warnings. In addition, road, weather and other conditions can adversely affect RV1 systems' recognition and response capabilities.

Limited Warranty:

Ride Vision warrants that the product when used in accordance with its specifications and instructions will be free from material defects under normal use for such period as prescribed in the user warranty received with the purchase of the RV1. Warranty period as well as other applicable warranty conditions shall be as prescribed in the warranty card received from your local retailer. In the event of non-conformity during the warranty period, please contact your nearest certified retailer.

Maintenance and daily use

To ensure optimal operation of the system please follow the scheduled tasks below:

- Once a week: Clean both camera lenses with a dry cloth
- Every 3 months: Replace the camera lens glass cover.
- Once a month: Clean the Main Unit (ECU) by gently washing with water to remove dirt and debris.
- If a camera position is changed, recalibrate it using the Ride Vision mobile app and the supplied calibration ruler.
- On every ride, make sure the initial launch sequence is initiated:
Both Alert Indicators' orange LEDs light up 3 times simultaneously after slow speed is reached.
- In the case of unit malfunction or load failure, all LED lights will dim 5 times.
- Avoid direct washing of the units.
- Make sure to synchronize the unit with the mobile app at least once every 2 weeks to ensure unit stays activated (security measure).
- If the vehicle battery is replaced or drained out, sync the unit with the mobile app.
- Only touch the ECU when the vehicle is off, and cold.
- If the vehicle has fallen over or suffered a direct hit to cameras, camera recalibration is required immediately.
- Make sure camera lenses are clean before each ride.
- Auto video recording can be enabled from the mobile app.
- Only use V30 Micro SD cards or higher.

RV1 is an assistive technology, it does not control or take over your vehicle in any way when installed.

Installation

Replacement parts can be purchased from your local retailer.

Installation and instructions:

Only install with a certified installer. Visit www.ride.vision/installers to find a certified installer near you. Make sure to secure both cameras and the main unit with the provided screws. Do not connect more than 1 extension cable. Once installed, do not change the camera positions. If a camera position is changed, recalibrate it using the Ride Vision mobile app and the supplied calibration ruler.

Product Safety Alert:

Only touch the ECU when the vehicle is off, and cold. For more detailed information, specifications and the user manual please go to www.ride.vision on the Ride Vision website as well as the FAQ page located at

www.ride.vision/faq

For support please contact support@ride.vision

Terms and conditions and privacy policy can be found on our website www.ride.vision

Warning:

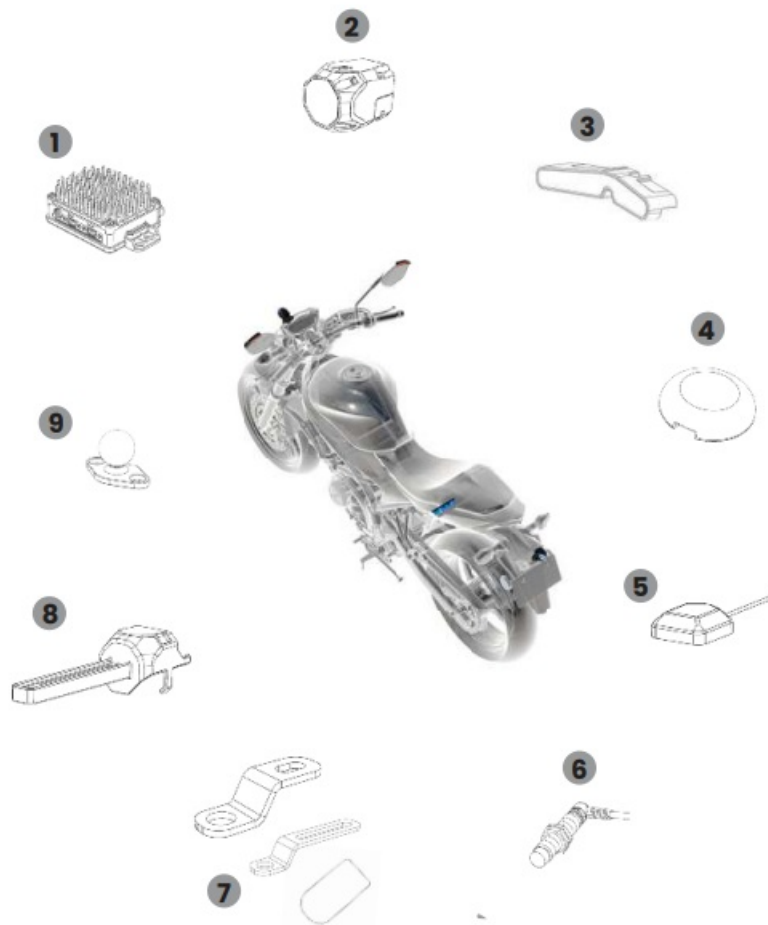
If you detect any malfunction, please contact us at: support@ride.vision immediately.

Included Hardware:

1. Main Unit (ECU)
2. 2 wide-angle HD cameras + cable
3. Right & left Alert Indicators + cable
4. 2 Alert Indicator anchors
5. GPS antenna
6. Speed sensor + cable
7. Speed Sensor bracket x2 + sensor trigger
8. Calibration ruler
9. Ball mount x2

Small Extras:

Adhesive tape + installation screws



Tech Specs

SIZE	
Front, rear camera (L, W, H)	38mm, 38mm, 51mm
Main Unit/ECU (L, W, H)	82mm, 67mm, 39mm
Front, rear cable length	2.8m, 1m
Electrical Characteristics	
Input	10-14Vdc, 2A
Operating temperature	-10°C to +60°C
Communication Characteristics	
BT	5.0
WIFI	IEEE 802.11ac/a/b/g/n
Display Characteristics	
10 LEDs Right and 10 LEDs Left	Red color
5 LEDs Right and 5 LEDs Left	Yellow color

Functionality


Ride Vision (RV1) is an assistive technology, this means it does not control or take over vehicle function in any way.

Ride Vision alerts (basic version):

Alert Name	Alert Description	Alert Function
Forward Collision Alert	Alerts when there is a possibility for a collision with another vehicle	Blinking red LED lights on both mirrors
Distance Keeping Alert	Alerts when you are consistently and dangerously close to the vehicle in front of you	Constant red LED lights on both mirrors
Blind Spot Alert	Alerts when vehicles are in your blind spots	Constant yellow LED lights on in relevant mirror
Dangerous Overtake Alert	Alerts when speeding vehicles are in your blind spots	Constant yellow LED lights on in relevant mirror

An updated list of features and alerts is always available at www.ride.vision More features and alerts are updated regularly to subscribed users.

Documents / Resources

<div><div><div>RIDEVISION</div><div>User Manual</div><div><small>Ride Vision 1</small></div></div><div></div></div>	<div><div>RIDEVISION RV1 Collision Avoidance System [pdf] User Manual</div><div>RV1 Collision Avoidance System, RV1, Collision Avoidance System</div></div>
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