

RYDEEN®

Not Included



Owner's Manual

OED-01

**1080P AHD Front Facing Dash Cam
with AHD Signal Output**

1. Welcome Statement & Warnings

PRECAUTIONS & WARNINGS

IMPORTANT INFORMATION

PLEASE READ THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT

1. Before installation, please check if the product list is complete and free of damage.
2. The installation instructions may differ from the actual installation process on a vehicle. If there are any discrepancies, please contact us.
3. Installation of this product is for Authorized Dealers only. Any installation not done through an Authorized dealer is not covered under warranty.
4. Please read this installation instruction manual carefully before installing the product.
5. Before turning on the product after installation, please confirm that the installation and wiring are correct.
6. Check whether the installed product functions properly. If there are any issues, please check if all connectors have been securely connected.
7. Check if the original vehicle functions are working properly. If there are any issues, please check if all wiring has been securely connected.
8. Please do not install the product if you receive a damaged item. Please take photos immediately and contact our Return Department. Photos should be provided that include all parts of the product and can display the damage.



WARNINGS



- **DO NOT DROP ANY COMPONENTS OF THIS PRODUCT.** Excessive shock due to dropping any components in the system or subjecting it to excessive shock and vibrations may cause malfunction and is not covered by warranty.
- **Please install when the vehicle is turned off.**
- **THE OED-01 UNIT IS NOT WATERPROOF.** Avoid exposing it to rain or other forms of excessive moisture.
- **Water damage is not covered under the warranty.**
- **THE FOLLOWING INSTRUCTIONS ARE RECOMMENDED FOR AUTHORIZED RYDEEN MOBILE INSTALLERS.**

2. What's in the Box

When opening the packaging box of this product, please make sure that all product accessories are complete.

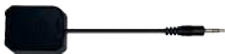
Standard Package



OED-01 Main Unit



Power Wire Harness *1



GPS *1



SD Card (32GB) *1

OPTIONAL ACCESSORIES



If you want to purchase the optional accessories, please contact your retailer or contact RYDEEN, Toll Free at 1-877-777-8811 (within USA only) for product support, or visit our website: <https://rydeenmobile.com/>

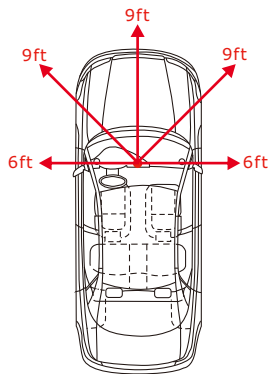
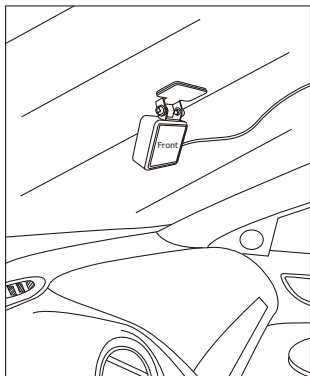
RYDEEN DIGITAL MIRRORS PV8-A & PV8-B (SOLD SEPARATELY)



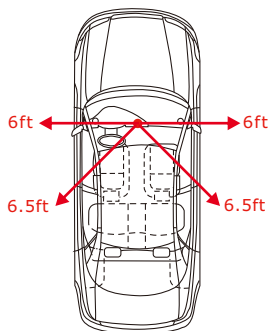
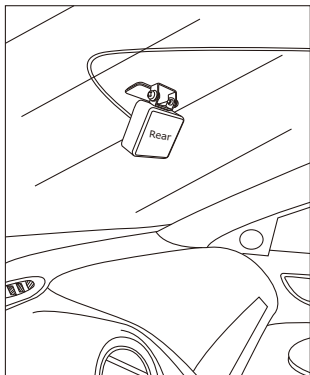
RYDEEN PROXIMITY SENSOR (SOLD SEPARATELY)**PSS-001****Proximity Sensor Sensing Range**

The proximity sensor works under the parking monitoring mode, and 30-second SOS video will be recorded after triggering. The proximity sensor is installed on the front windshield or the roof of car, which can be installed horizontally or vertically according to the application scenario. Please refer to the following scenarios and detection distance.

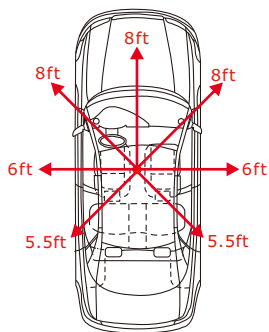
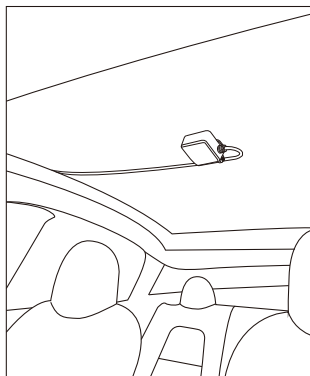
Scenario 1: Install the proximity sensor on the front windshield vertically, facing front.



Scenario 2: Install the proximity sensor on the front windshield vertically, facing rear.



Scenario 3: Install the proximity sensor on the roof of car in horizontally, facing down.



3. Product Features

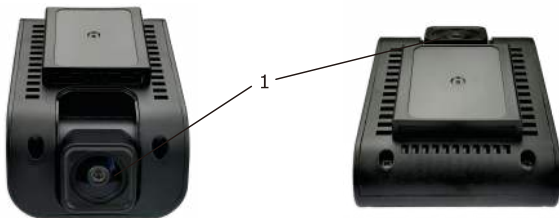
1. AHD video output (1080P HD resolution), allowing you to connect OED-01 with Rydeen AHD digital monitors for live viewing experiences (models: PV8-A / PV8-B).
2. WiFi connection to mobile phone APP (Viidure) for live video viewing and remote operations.
3. Allows recorded video to transfer from DVR to mobile phone APP for storage and viewing.
4. Adjustable lens, 140 degrees wide viewing angle.
5. Loop recording: After the vehicle starts, the DVR will automatically cycle the video, when the SD card is full, the oldest video file will be overwritten.
6. Optional proximity sensor is available, model PSS-001. Please contact retailer or Rydeen Mobile 1-310-787-7880 for any question.

4. Product Overview

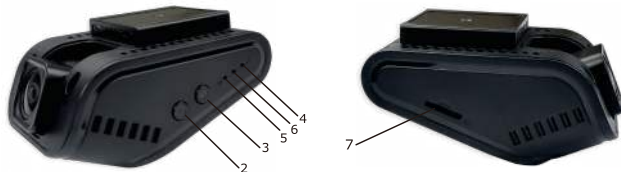
OED-01

FRONT

BACK



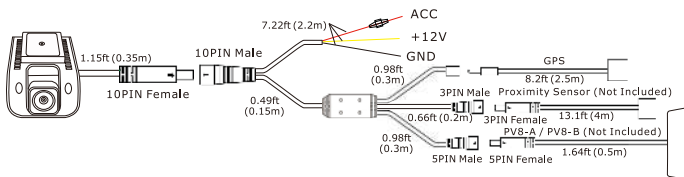
SIDE



No.	Item	Description
1	Front facing camera	Adjustable lens structure with 140° wide viewing angle.
2	Power button	Long press to power ON/OFF. Short press to ON/OFF video recording.
3	Photo button	Short press to take a photo.
4	Reset button	Press and hold within reset hole to restart the OED-01.
5	Mic hole	The Mic hole can record sound.
6	Recording indicator	Normally it is red when recording, the blue light will flash if recording process stops.
7	MicroSD card slot	Insert or remove microSD card.

Wiring Diagram

Connect to Rydeen Digital Mirror (Models: PV8-A/PV8-B):



5. Installation

Installation Method

1. Clean the inside front windshield;
2. Choose the installation location of unit, make sure it does not affect the driver's sight, then attach the 3M adhesive side on the front windshield;

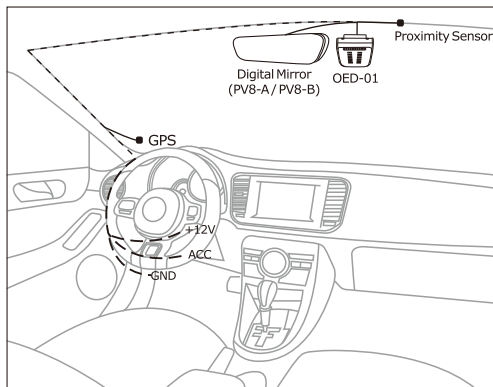
Note: Make sure that the position of the DVR main unit will not affect the placement and the SD card.

3. Wiring: Route the wiring harness along the gaps in the vehicle interior, and use pry tool to stuff the wiring harness into the gaps to avoid exposure;
4. Connect the power supply: Connect the power cable to the power point and make sure it is firmly connected;
5. Test function: After installation, test whether the DVR works properly;
6. Restore vehicle interior: After the installation is complete, restore the removed vehicle interior to ensure everything is back to its original condition.

Installation Precautions

- Remove protective lens covering prior to use.
- System is designed for +12V DC systems only.

Installation Reference Position



6. APP Interfaces

To connect to mobile phone

Please download the Viidure from the following QR Codes.



Viidure

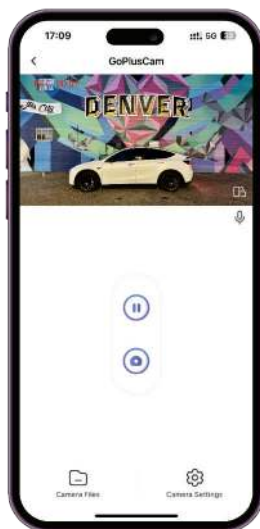


iOS



Android

Main Interface



Video Recording Icon


OED-01 records at startup (default). When the system stops recording, the icon will appear like . To enter the setting menu, you must stop recording. To start/stop recording simply press on the icon. The OED-01 recording interval is 1min for normal videos and 30sec for SOS files. The videos will be saved as "MOV" format.

Photo Icon

Select the photo icon to take a snapshot. Image will be saved as "JPEG" format in picture folder.

Mic Icon

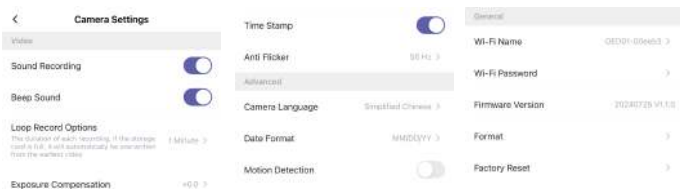
Choose ON/OFF of sound recording

Camera File

You can check the loop videos, locked videos, parking monitoring videos and snapshots in camera files.

Camera Setting Icon

Select this icon to enter the setting menu.



Sound Recording----ON/OFF sound recording.

Beep Sound----ON/OFF beep sound.

Loop Record Options----Select the recording time, there are four options (Off, 1 min, 2 min, 3 min).

Exposure Compensation----Adjust the brightness of recording video.

Time Stamp----Recording video will show date and time if select ON.

Anti Flicker----Select display refresh rate.

Camera Language----Select DVR language, there are two languages (English and Chinese).

Date Format----Select Year, Month, Date format for recording videos.

Motion Detection----N/A

Wi-Fi Name----Enter this option to modify the Wi-Fi name.

Wi-Fi Password---Enter this option to modify the Wi-Fi password.

Default password:12345678

Firmware Version---Shows current software version installed in your device.

Format----Select this option to delete all files in the microSD card.

Factory Reset----Select this option to reset all settings back to default.

Note: After connecting the mobile APP, the DVR function can only be controlled through the mobile phone.

6. Specifications

OED-01	
Lens	4G+2P
Aperture	F1.8
Diagonal Angle	140°
Recording Resolution	1920*1080
Video Encoding Format	H.264 encoding, H.265 encoding, MOV format storage
Effective Pixels	2 million
Photo Format	JPEG (1080P)
G-Sensor	Three axis accelerometer sensor
Recording Mode	Loop recording
Video Output	1080P AHD 30pfs
Storage	MicroSD (>Class 10, maximum 256G)
Starup Time	1s
Working Voltage	12V
Working Current	150mA (DC 12V)
Static Current	Below 1mA
Storage Temperature	-22°F~+176°F (-30°C~+80°C)
Operating Temperature	+5°F~+167°F (-15°C~+75°C)
Operating Humidity	15%~60%RH
Battery	Button battery ML621
Wide Voltage Adaptation	Adapt to the power supply environment inside the vehicle (5V/30V)

7. Maintaining Your GPS

Cleaning the Unit:

1. Use a soft, dry cloth to wipe away dirt.
2. If the dirt cannot be wiped away, dampen the cloth with water to clean the unit.
NOTE: Do not wash the unit with running water as this unit is not water proof.
3. Use a dry cloth to wipe away residual moisture when done.
NOTE: Do not use solvent, car cleaner or organic cleaners to clean the unit. These substances may damage the GPS unit.

8. Technical Support Contact Info

For any questions about **OED-01**, please contact your retailer or RYDEEN Technical Support:

- Phone: **1-877-777-8811 (within USA only) or 1-310-787-7880**
- Email: tech1@rydeenmobile.com
- Web: <https://rydeenmobile.com/contact-support/>

9. One Year Limited Warranty

RYDEEN MOBILE (a manufacturer of "RYDEEN" products) warrants product (OED-01) only to the original purchaser as described following:

Warranty Period

Rydeen warrants this product for a period of one (1) year from the original purchase date.

Warranty Coverage

This warranty covers all defects in material and workmanship except as specified below.

1. Any products distributed outside of the USA by Rydeen North America, Inc. (Rydeen) or which is not purchased in the USA or Canada unless the product is purchased through the USA Military Exchange Service.
2. Any product(s) which are purchased from an unauthorized retailer (in store or online).
3. Any products in which the serial number label or the model number label are removed, torn, modified or replicated.

4. Any damage defects or malfunctions resulting from any of following:
- a) When defect occurs during shipment of product (freight carrier's responsibility).
 - b) Installation or removal of product.
 - c) Accidents, act of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow product owner's manual instructions.
 - d) Any repair or attempt to repair without RYDEEN authorization.
 - e) Any other cause which is not related to product defect.
 - f) Any cosmetic damages due to normal wear and tear.
 - g) Any consumable items (such as fuse or batteries).

If any problems develop with your Rydeen products during or after the Limited Warranty Period, or if you have any questions regarding the operation or installation of the product, you should contact your Rydeen retailer. If the problem or your question is not handled to your satisfaction, please contact Rydeen Customer Service Department at 1-877-777-8811 (within the USA only) Monday-Friday between 8:00 AM to 5:00 PM Pacific Standard Time or visit www.Rydeenmobile.com.

10. To Obtain Warranty Service

If warranty service is required for your Rydeen product:

1. Please call Rydeen Customer Service Department at 1-877-777-8811 (within the USA only), Monday-Friday between 8:00 AM to 5:00 PM Pacific Standard time and obtain a Return Authorization Number ("RA") Number.
2. Please pay for any shipping charge to Rydeen Customer Service Department. Rydeen will pay the return shipping charge, if the repair or service was performed during the warranty period. Rydeen will ship freight collect (recipient is responsible for shipping charge) if Rydeen determine the service was performed outside of warranty period or exclusions described above. Rydeen will not accept warranty service requests from outside of the U.S.A. even if product was purchased in the USA.
3. Please include a copy of your original purchase receipt including Rydeen product model number, purchase date, retailer name/address and a RA Number whenever your product is sent for warranty service.
4. Rydeen will pay for all labor and material expenses for covered product during warranty period.
5. Shipping address for Rydeen Customer Service Department is following: Rydeen North America, Inc. (a manufacturer of Rydeen products), 2701 Plaza Del Amo, Unit 705, Torrance, California 90503, USA.

13. Disclaimer

The information in this user's manual is for general guidance. The images in the manual may be similar to the images shown in the actual product, but they do not exactly match. Depending on the optional package, some functions described in the manual may not be available or the functions described may be restricted.

14. Troubleshooting

Solutions for Common Problems

1. NO display: Check to ensure the unit cable is properly connected and terminal connection is not loose.
2. APP connection failure: Please check whether you are connected to the Wi-Fi of OED-01. If you are still unable to enter the app after connecting to Wi-Fi, please insert a small pin into the reset hole and restart unit.
3. GPS suddenly no signal:
 - a. You have entered a tunnel or other area where there is no GPS signal.
 - b. Please check whether the GPS cable is loose or disconnected.
4. No video (screen without red dot):
 - a. The microSD card is not formatted or corrupted.
 - b. The microSD card is not inserted in place.
5. The video freezes when playing on the computer, and the video is not coherent: Replaced with a formatted high-speed card.



rydeenmobile.com

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