

V.1.0



N3

MIRROR DASH CAM

User Manual

The information in this manual is subject to change without notice.

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Precautions

1. For further inquiries, please contact our customer service via email at sales@asrtechtools.co.uk
2. Please use original accessories to avoid compatibility issues and insufficient current supply from non-compatible accessories. For example, 2-in-1 or 3-in-1 cigar sockets will not provide enough current to the device.
3. Please do not tamper or splice the rear camera wire for the purpose of extension, as the rear image/feed to the display may be lost. The length of the included cable for the rear camera is 20 feet, and is suitable for most types of cars.
4. If you wish to use a micro SD card with a capacity > 32GB, Please change the micro SD card [Class10 (10MB/s) required] format to FAT 32 on PC (a 32GB card is included in the package).

Warnings

- Keep small accessories out of the reach of children. If this product is damaged or malfunctions, stop using it immediately and contact RUGHA support. Continued use may cause fire, electric shock or, vehicle failure.
- This product is intended to be used as reference material in the event of an accident. We do not guarantee its effectiveness or admission as complete evidence.
- Please note that this product may infringe on privacy and other rights depending on how it is used. We are not responsible for any cases where this product infringes on privacy or other rights.
- This product is for DC12V/24V vehicles only.
- Contains lithium battery. Do not disassemble, impact, compress, or throw into fire. If severe swelling occurs, discontinue use immediately. Do not expose to high temperature environments. Do not use if the battery has been submerged in water.

Product Overview

- Thank you for choosing RUGHA 4K Mirror Dash Cam. This product provides a high-quality image and captures irrefutable evidence in the event of an accident, and records the beauty along the way for you.
- RUGHA is a professional automotive supplies manufacturing company.
- We have team of experienced and imaginative engineers who are committed to building a reliable and trustworthy automotive supplies brand.

Warranty

- We are committed to giving customers the best product experience and after-sale service.
- Our warranty period is one year. If the machine parts are damaged or there are any problems during use, we will solve them in time and provide you with a satisfactory shopping experience.
Note: The specific warranty period is subject to local laws.
- Please contact us with your online order, and we will provide free replacement and technical support.

sales@asrtechtools.co.uk

Product Specification

CPU	J15601
Screen	9.66inch IPS Touch Screen
Aperture	2.5D
Camera Angle	170 Degree
Camera Resolution	Front 1080p + Rear 720p
Video Format	AVI
Photo Format	JPG
Frame Rate	30FPS
Operating Temperature	-15°C~75°C
Operating Humidity	15-56% RH
Storage Capacity	Support TF Card 8GB~64GB
Standard Voltage	DC 5V
Operating Current	2.0A
Power Interface	Mini USB

Note: specifications may be changed due to upgrade, update, etc.

Appearance and Key Introduction



- ① Touch screen ② Power button ③ USB port
④ Rear camera interface ⑤ TF card slot ⑥ GPS interface
⑦ Reset port ⑧ Hook ⑨ Lens slide module

1. Power Button

Function 1: on/off function

Long press the power button for 3 seconds to start the machine manually.

Function 2: one key on/off backlight

Short press the power button to control the back brightness of the display screen to start and stop (this function does not affect the video recording function).

2. Rest port

If the recorder is dead, press with a card pin for 3-5 seconds **【Rest】** to enter the shutdown state, and then press **【Power Button】** to restart the machine.

3. USB port

Connect to DC 5V power supply.

a) Rear camera interface

Connect the rear camera.

b) TF card slot

Insert the TF card, and the video file will be stored in the TF card.

Installation Guide

Display (as the following picture).

(When first time use the memory card, need to format the memory card:
system setting - format memory card)



Installation Guide

Turn off the car engine.

Insert the TF card into the card slot of the recorder.

【Note】 please use high-speed TF card (Class10 or above) the TF card can support 64GB at most. Please do not insert TF card when the machine is working, so as not to damage the data in the card.

Attach the recorder to the car' s original rearview mirror.

Insert the car charger with the attached car.

Connect the record' s USB interface to the car charger with the charging extension cable.

【Note】 When wiring, the charging extension cable can be laid along the windshield edge of the car.

Install the rear camera in the rear of the vehicle and pay attention to the direction of installation .The wiring can be laid along the roof of vehicle. After installation, the rear camera is connected to the camera interface of the recorder.

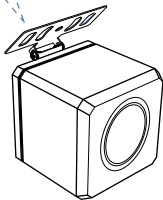
Adjust the lens position to ensure the lens is level with the ground.

Start the engine and check that the machine is properly installed.

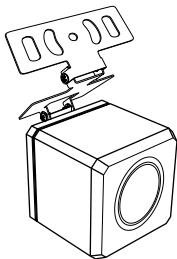
【Note】 When the machine is installed correctly, the machine starts to enter the recording state. Please check whether the screen on the screen is normal. If the screen is inverted, please contact us in time.

Rear Camera Installation

If you don't need to adjust the angle, you can remove this iron plate.

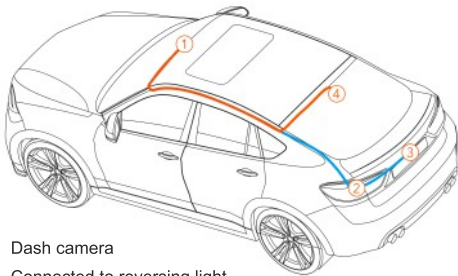


•Outside the car bracket



•Inside the car bracket

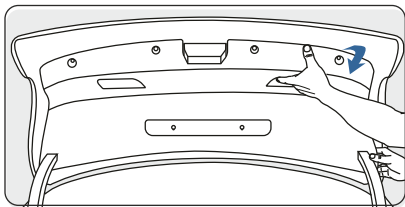
Rear Camera Wiring Instructions



- ① Dash camera
- ② Connected to reversing light
- ③ Outside the car bracket
- ④ Inside the car bracket

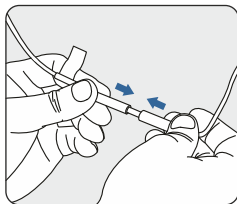
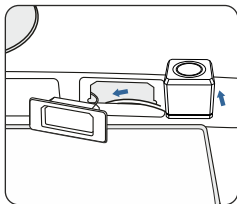
1. Remove the panel

Open the trunk and remove the interior panel that covers the other side of the license plate mount area. Use a trim removal tool or other thin device to pry the panel open.



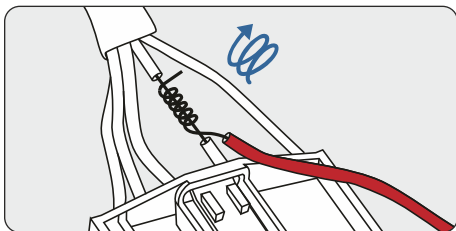
2. Fix the rear camera and connect the cables

Fix the rear camera near the license plate light with 3M glue, and connect the rear camera cable through the license plate light hole to the rear camera cable.



3. Connect the red wire to the reverse light's positive terminal

Find the positive terminal of the reverse light. This is the terminal that has voltage when the car is in reverse gear. To find it, step on the brakes, put the car in reverse gear and measure the voltage at each terminal. The terminal with voltage is the positive terminal. Strip the positive cable and wrap it with the red cable from the camera. Insulate the connection with electrical tape. Test the connection by putting the car in reverse gear and seeing if the dash cam enters reverse mode.



Interface Introduction



Reduce screen brightness



Increase screen brightness



Audio record with sound



Audio record without sound



Pause Recording Status



Recording status



Turn off video locking



Turn on video locking

3 Ways to switch between front and Rear camera display

① Click the screen



② Swipe the screen left and right



③ Click the switch icon



Recording Settings

In recording mode, pause the recording and click on the icon in the upper right corner:



Resolution: video recording specifications, the higher the specification, the

Clearer the video (default)

Dual-recording: "On" both cameras record at the same time, "Off" only the front record video, the rear camera does not record (default)

Cycle(Loop Recording): single video recording time, provide 1/3/5 minutes three specifications. (Default is ok)

Time-lapse: when the vehicle is turned off, it will automatically enter the time-lapse monitoring, providing Off/1/2/3 seconds four specifications, if you set 1 second, it will take a photo in 1 second, and take 24 photos to synthesize one second video. (This function needs use hard wire kit) (Recommended to set 1 second)

HDR(High Dynamic Range): On, Off. (Default is ok)

Exposure Compensation: -3, -2, -1, 0-1, 2, 3. (Default)

License plate number: open the video playback interface to display the license plate number watermark.

Date&Time: time watermark for video playback presentation.

【Note】 in order to effectively record the date and time of obtaining evidence of traffic accidents, please set the correct time immediately before using the machine.

Sound: turn off (recording video without sound);

turn on (recording video with sound).

Gravity Sensor function: Click "Settings" in the main interface to enter the setting interface. In the settings, you can open the G-sensor function. When the G-sensor turned on, the current video can be automatically locked if the machine vibrates during use (such as collision).

【Note】 G-sensor supports sensitivity adjustment, and the default sensitivity of the system is "off". You can change the setting in the settings menu according to your actual needs.

【Note】 after the collision detection function is turned on, lock files may be generated in case of road turbulence during daily driving. If there are too many locked files, the storage capacity of the TF card will be affected. Please format the TF card regularly (about 2-3 weeks) through the formatting function of the machine to ensure the normal operation of the recorder.

Video playback: Click playback on the main screen to enter playback mode.

Click the left/right page-turning logo to find the video and photos that need to be played back, and click the play button to play back the video. Click to return to the main screen.

Download App

Download the App

Search for the “**Viidure**” APP in the “Application Market/App Store” on your phone and download and install it.



“**Viidure**” App

Open the ‘Viidure’ App and follow the prompts to activate the recorder’s WIFI. Then, connect your phone to the recorder’s WIFI.

WIFI name :DVR-XXX WIFI password :12345678

Frequently Asked Questions

Q: How does the dashcam default to displaying the front and rear camera views when powered on?

A: The dashcam has a real-time save function that automatically saves the current camera view when powering off. Upon the next startup, it defaults to the camera view saved at the last shutdown. For example, “If the front camera view was displayed at shutdown, the front camera view will be displayed at startup; if the rear camera view was displayed at shutdown, the rear camera view will be displayed at startup.”

Q: How to resolve issues with blurry recording/worse clarity than before/light streaking/glare?

A: Clean the front and rear lenses of the dashcam as well as the windshield of the vehicle.

Q: The playback video does not show the time watermark. How can I enable the time watermark?

A: Go to Driving Settings and find the time watermark option to enable it.

Q: The dashcam frequently reminds me that the storage card is full or that the storage is almost full after recording only a little. How can I resolve this?

A: This situation is generally caused by locked videos occupying the storage. Format the memory card or manually unlock the files.



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Product and service are the foundation of Rugha

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