

**Rayfoto**

Made in China



**Rayfoto**



User Manual  
**4K Dash Cam**

Model: S800

## 1. Special Note

This product can directly click on the screen to select, and the button function corresponds to the touch screen function. (Auto record when power on)

The first boot may take about 5 seconds, please be patient. Touch screen operation should not be too fast, there will be a little delay

## 2. Introduction

Thank you for purchasing our product, We hope that this user manual helps you get started with basic features that our camera has to offer. This camera is equipped with 4K+ 2K@ 30FPS camera Display.It has advanced built-in Wi-Fi,GPS,G-Sensor,built-in WDR,built-in HDR,Emergency Video lock button,Auto-Record,Audio recording, Loop cycle recording, etc.

This user manual is subject to change without prior notice.

## 3. Safety Information

1. Please read this instruction manual carefully before using the camera. It contains important information for your safety as well as operating and maintenance instructions.
2. Follow all safety precautions in order to prevent damage due to improper use of the camera.
3. In the event of improper use or erroneous handling, no liability can be assumed for any possible damage which may occur.
4. You should not install this dash camera at a place that would obstruct or reduce a driver's view. Make sure your usage complies with pertinent vehicle codes of your state, province, territory or country.
5. You should release the required record notification to the occupant in the car, if you will record sounds or other information / signals related to car activity.
6. You should avoid extended exposure of the dash cam to direct sunlight or extreme temperatures (either high or low temperature) which tend to degrade or damage the unit and its normal functionality.
7. You should check and verify the camera at least every month, including the memory card, to ensure the video reception and recording are working properly. For each use, you should verify that the camera unit, the visible lights and the audible sounds are working normally.
8. Do not try to open the cover or try to repair it yourself. If the accessories for this device have any problem, please contact the seller for assistance.
9. Pay careful attention when cleaning the lens surface. Use a soft, moist cloth to clean the lens to avoid compromising video quality.
10. You should use the camera unit in the way it is intended. You should not use the dash cam unit in a way that would be illegal or that tends to physically damage the unit, or tend to cause danger to the safe operation of the vehicle or the occupants.
11. This device is intended to be used inside the vehicle only.
12. Do not expose this product to rain, moisture or water under any circumstances or it will result in external or internal damage.
13. Do not operate or install the camera while driving, or attempt to change any setting etc.
14. If any damage is caused by failure to follow the instructions, the warranty will be voided.

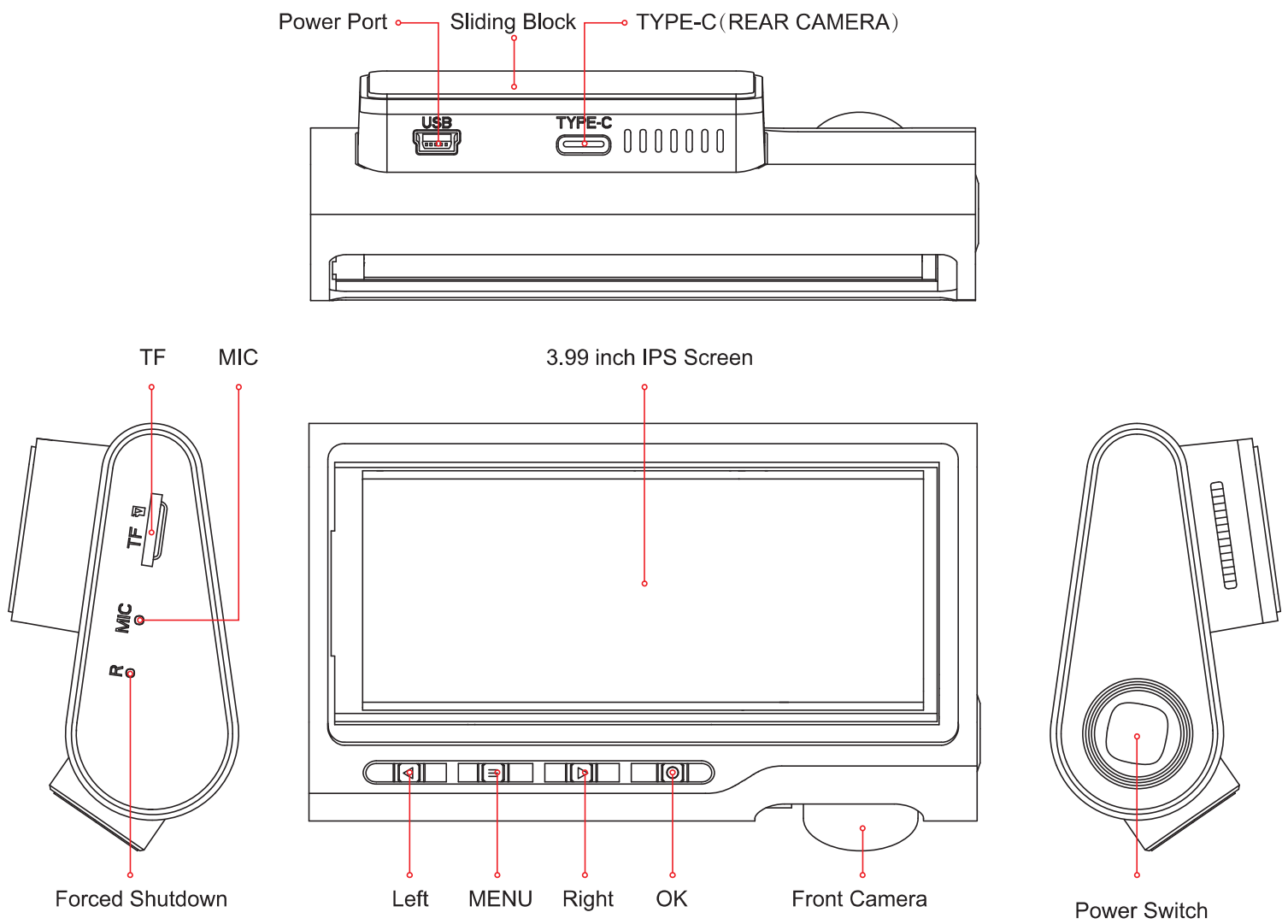
## 4. Getting Started

- Before installation, please check the accessories carefully to ensure that the product and accessories are correct and complete.
- During installation, be sure not to insert the car key into the power supply, and do not insert or remove any machine accessories like micro SD card or rear camera when camera is powered on. These actions should be completed when power is turned off.
- When the car key is plugged into the vehicle, the camera will automatically turn on. Please check whether the function of power on/off, the front and rear cameras display is normal.
- If you need to download the recording videos and images, please turn off the camera first before removing the micro SD card.
- You must use U3 high-speed card (recommended capacity 8GB-256GB), lower than U3 will cause problems like video stutter, black screen, and video cannot be recorded or cannot be played.
- Do not remove the Micro-SD card while it is saving or reading data.
- Make sure to remove the plastic screen protector on the lens and on the screen before recording videos. Otherwise your videos will look blurry and out of focus.









## 5. Screen Swipe Definition

Swipe left or right to switch perspectives. Turn on the WIFI function to return to the main interface, slide up and down to wake up or hide the WIFI interface. After exiting the mobile APP for a few minutes, the WIFI function will be automatically turned off, and you need to enter the menu to turn it on again.

6. Product Overview



## 7. Buttons and Functions

	Click to enter the screen saver
	Click to enter the menu
	Click to turn on recording / turn off recording
	Video browsing
	Click to enable recording/disable recording
	Click to lock video during recording
	Tap to take a photo during recording
	Front and rear viewing angle switching

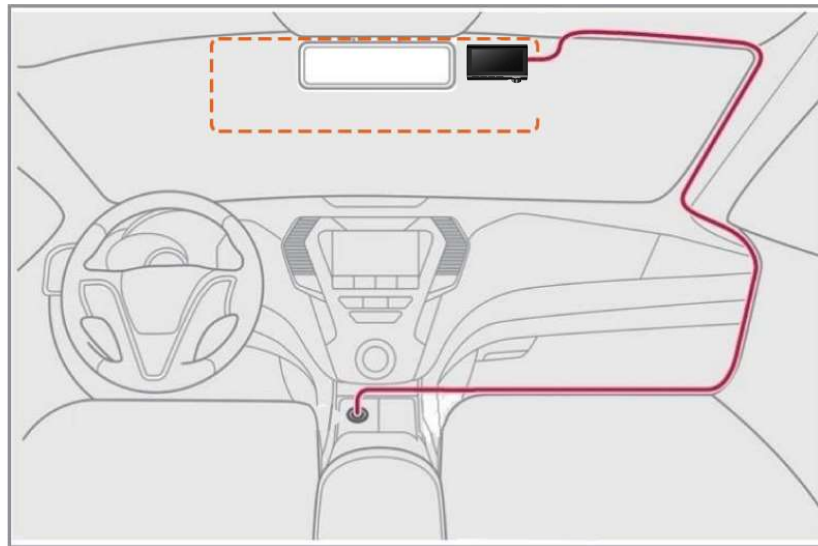
## 8. Installation

1. Insert the micro SD card into the dash cam. Maximum support is 256GB.

Please make sure the camera is turned OFF First. Then align the gold plated contacts facing towards the back of the camera (Screen Side).

Then insert the memory card half way in. Then use the finger nail or a paper clip to push the card all the way inward until it clicks and locks in place.

The camera comes with the default settings which allows you to start using your camera right out of the box without changing any settings. Please make sure to format the memory card before first time use.



2. Clean the spot on your windshield where you would like to mount the camera and confirm the placement. We recommend to install the camera near the rear view mirror of driver opposite side.

3. Next, Press the bracket firmly against the windshield.

4. Install the rear camera on the rear windshield using the adhesive tape or near the license plate using screws.



Rear camera is designed to record footage at the rear of the vehicle.  
It should not be used as aid in backing up.

If you want to use the reversing function then connect the red trigger cable of rear camera extension cable to the positive lead of the car reversing lamp. This step is optional and only recommended for rear view mirror dash camera.

5. Plug the supplied car charger into your vehicle's accessory port, and the other end into the micro USB port. Route the cable alongside the interior trim for better looking.

6. Format the micro SD memory card by going to Menu > System Settings > Format then select Yes.

## 9. Basic Operation

### POWERING ON

The device will power on automatically when connected to power and can also be powered by pressing the power button.

### POWERING OFF

When power is disconnected the device will save last video file and power off.

### VIDEO RECORDING

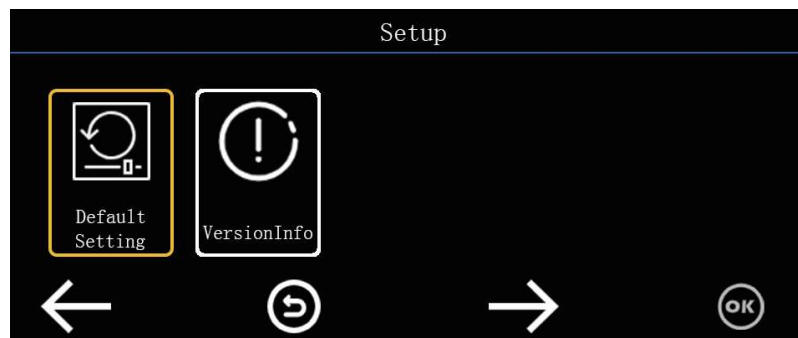
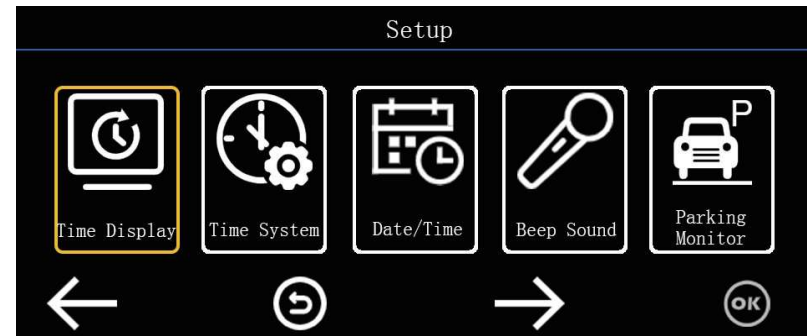
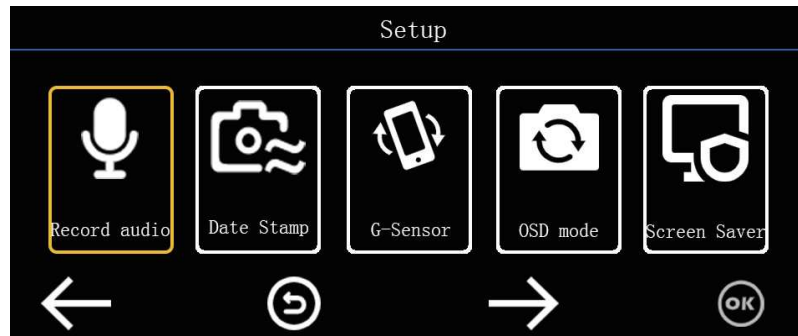
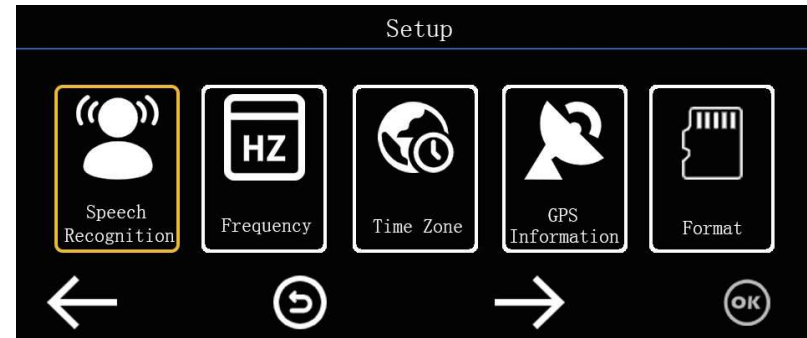
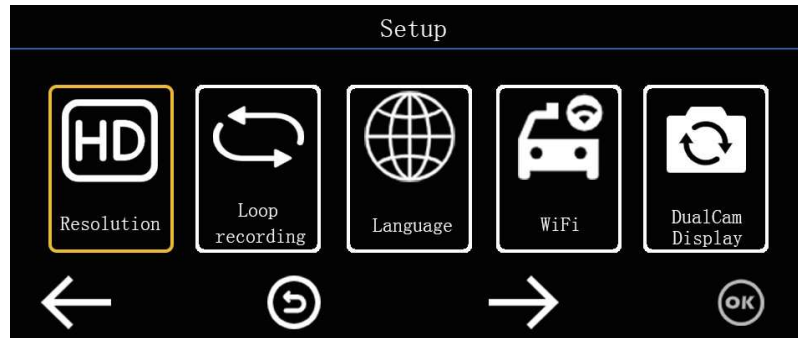
After the car engine is switched on, the camera will automatically turn on and start recording.

### NAVIGATING MENUS

First press the OK button to stop recording, then press the MENU button to enter the menu settings.

## 10. Setting Interface

### Record Settings





### **Resolution**

This setting allows you to set the video recording resolution. 4K +2K for dual camera recording.

### **Loop Recording**

This setting allows you to control the duration of each individual loop clip. It will delete oldest files and record newer files over and over when the memory card is full Clips can be set to durative of 1 minute, 3 minutes, 5 minutes, or OFF.

### **Dual Cam Display**

This setting allows you to control the display screen of each camera.can be set to Front, Rear, or Front/Rear.

### **Record Audio**

This device has a Built-in Microphone so you can record audio along with video. The microphone can easily be toggled off if you prefer not to record audio.

### **Date Stamp**

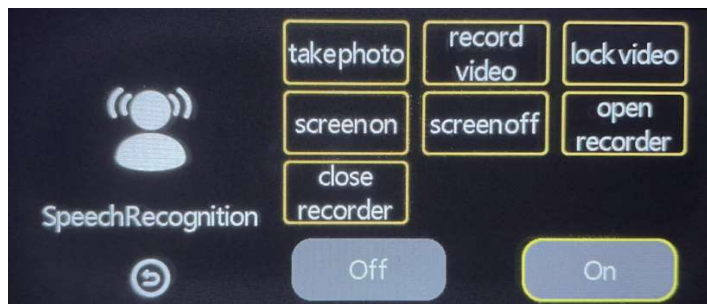
This option allows you to turn ON or OFF if you want the time and date to appear on the bottom of the video.

### **G-Sensor**

G-Sensor is a 3-axis impact gravitational accelerometer, designed to detect physical and gravitational forces on the camera. Once G-sensor is triggered due to physical or gravitational impact force on the camera, the current video file will be locked as an emergency file to avoid getting overwritten. Off / Low / Middle / High for optional, default is OFF.

### **Speech Recognition**

You can control your device by voice.as follows:



## 11. System Settings

### Screen Saver

Turns the screen off after a set time of no activity to prevent driver distraction. The camera will continue recording and the screen can be woken up by pressing any button. Options 30 sec, 1 minute, 3 minutes, or OFF.

### Time Display

This option allows you to turn ON or OFF if you want the display screen of Clock.

### WiFi

This feature will allow you to turn WiFi broadcast from the camera so you can connect your phone with the dash camera to access videos, photos and settings.

### Date/Time

Set system date, time and date.

### Time System

Set the time system of 12 hour or 24 hour.

### Beep Sound

Turns the sound on or off for each time a button is pressed. ON/OFF

### Language

Sets the on-screen display language to English, Simplified Chinese, Traditional Chinese, French, Spanish, German, Italian, Japanese, Korean, Russian, Arabic etc.

### Parking Monitor

This Dash cam parking monitor feature is configured to record in a time-lapse configuration. It is very useful for other non-collision incidents that may occur when your vehicle is parked in a busy parking lot. Options OFF / ON, default is OFF.

### Frequency

Here you should choose the frequency accordingly to your power supply specification used in your country based on your geographical location. 50Hz or 60Hz

### Fatigue Driving Reminder

You can also set driving time reminder to prevent fatigue driving of 1 hour, 2 hour, 4 hour or off.

### Time Zone

You can also set the GMT time-zone value so the camera will set the date and time based on the GMT value selection when it receives the GPS signal lock. Time zone will not change automatically when it starts / ends daylight saving time, please adjust manually at that time.

### GPS Information

The GPS signal will show if camera is receiving signal successfully. With this feature you can also check the location (longitude and latitude) or driven route when you playback the video using the dedicated GPS player.

### Format

Formats the micro SD card ready for use with the camera. YES or NO

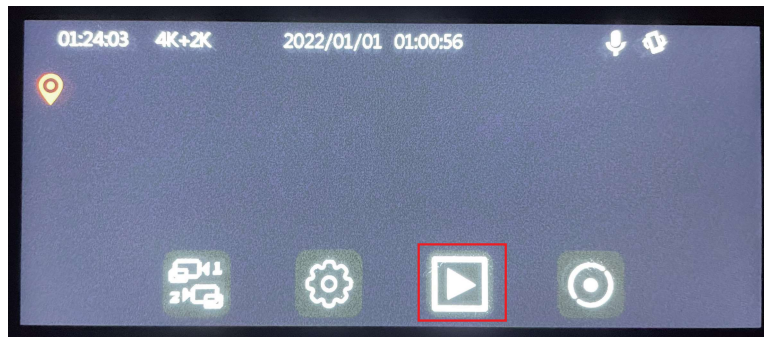
### Default Setting

Click to reset system setting to default. NO or YES

### Version Info

To check the dash camera system firmware version

## 12. File Browsing



Press the UP button in standby mode to enter the file browsing.

Playback mode allows you to review the saved video footage and play back the video. To select a video for playback navigate using the up and down button then press the OK button to play.

		
Ordinary Video Files	Lock Video File	photo file

## 13. App Introduction

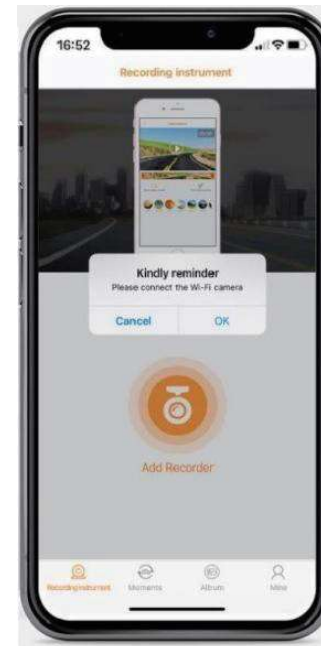
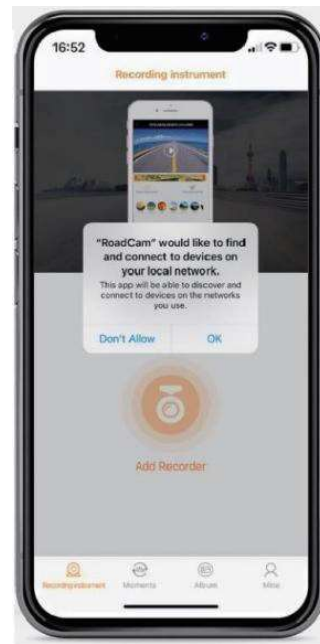
This camera use Road cam App, allows you to turn WiFi broadcast from the camera so you can connect your phone with the dash camera to access videos, photos and manage some camera settings.

### DOWNLOAD & SETUP

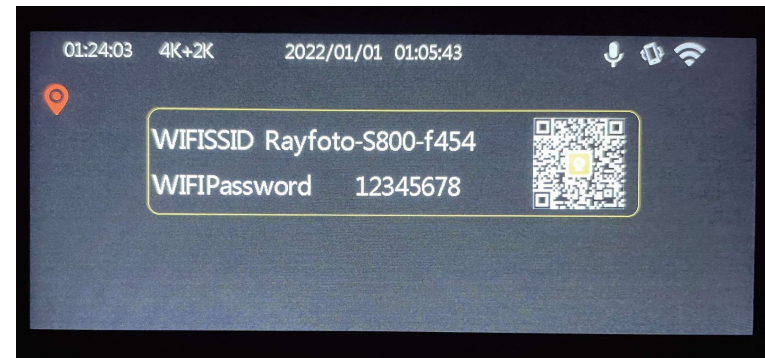
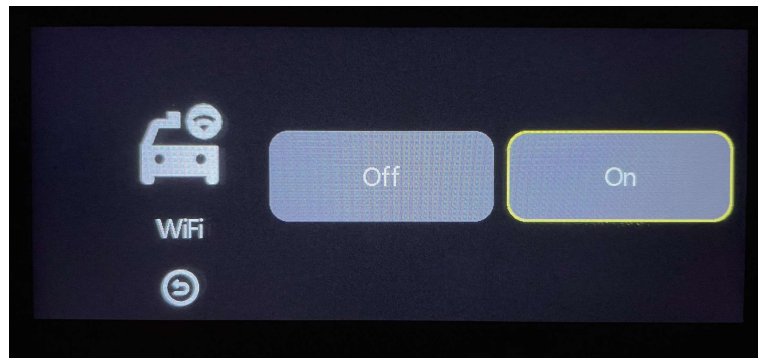
1. Search for “Road cam” on App Store, Google Play or by scanning the QR code below:



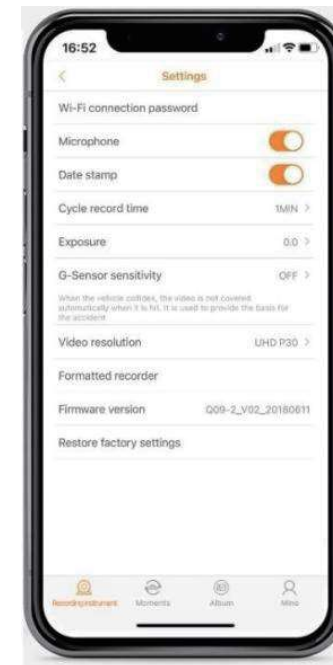
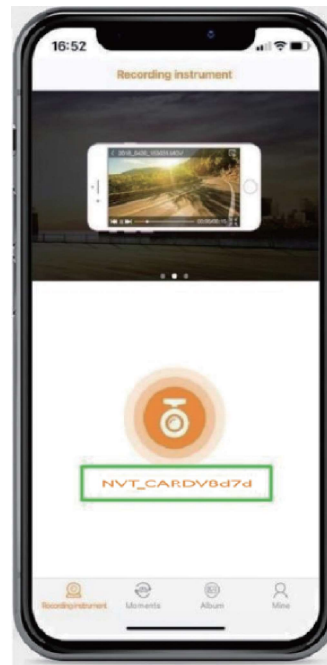
2. Allow app permissions.




3. Standby mode Press MENU> On SSID Rayfoto-S800-XXXX and password 12345678 will appear on the camera screen;  
Turn on camera's Wi-Fi by pressing the Menu > system Settings > WiFi > On SSID Rayfoto-S800-XXXX and password 12345678 will appear on the camera screen.



4. Navigate to your smartphones WiFi settings and look for SSID Rayfoto-S800-XXXX network and enter the password 12345678 to connect.



In the App Preview mode, press the cog  or settings icon on the top right corner to enter if you want to make any changes with the camera setup.



5. Tap on Video icon from the app home screen to access all recorded videos saved in the Micro SD card. You can download, delete or even play videos from the app.



## 14. GPS Player Software

Use the device comes with a player or visit <http://www.sunningsoft.com/en/pcgps.html>

- GPS Player for Windows (Windows7, Windows8, Windows10)
- GPS Player for Mac (Mac 10.11, Mac 10.11 above)

Simply remove the memory card from the camera and insert it directly into the PC, then find and install GXPLAYER.EXE  
With this player you can play your videos on your computer screen with GPS information, driving route vehicle's speed, distance, position, data displays, and maps.

## 15. GPS Player Uses Interface



## 16. FAQ's

Q: Video is fuzzy?

A: Please make sure the lens of camera is clean and there is no dirt on windshield also. A: Remove plastic screen protector on the lens and on the screen display. (See page 2)

Q: Camera showing Memory Error

A: Please ensure that the memory card is U3 high-speed card (8GB-256GB) and format before using.

Q: Menu button / buttons not working.

A: Press OK button first to stop recording and then press MENU button again

Q: Camera Locks many videos automatically?

A: Please make sure you manage G-sensor setting. This setting depends on type of car or truck you are driving and how much vibration your car/truck is creating based on suspensions and road condition.

Q: Camera gets hot?

A: It is normal for your camera to run slightly hot.

Q: Camera turns ON / OFF frequently automatically

A: Please make sure that Motion Detection is set to OFF and Parking Mode is also set to OFF.

Q: Micro SD Card is not going in.

A: Please make sure you align micro SD card correctly with gold contacts facing towards the screen. (See page 5)

Q: Date and Time is not staying the same

A: Please go to camera's system settings > Time Zone > Set the correct GMT value > OK to confirm. Every-time you have GPS signal, you will always have correct date and time.

**After your email: [support@rayfoto.info](mailto:support@rayfoto.info)**



## 17. Specifications

Model	S800
Processor	Novatek 96670
Sensor	Sony IMX335(Front)
	Sony IMX335(Rear)
Front camera video resolution	4K @ 30FPS
Rear camera video resolution	2K @ 30FPS
Field of view	Front 140°/ Rear 140°
Video Code	H.265
Audio	Built-in microphone
Screen size	3.99 InchIPS
Connectivity	WiFi
WDR	Built-in
HDR	Built-in
App	Road Cam
Memory	Micro SD up to 256 GB
Auto Turn On/Off	Yes
Holder	Detachable stand
Power supply	Super capacitor
Working temperature	-10 - 60 °C
Dimensions	97×50×30.8 mm
Menu languages	English,Simplified Chinese,Traditional Chinese, French, Spanish,German, Italian,Japanese, Korean,Russian,Arabic etc
Features	4K+ 2K Camera Resolution,GPS, WiFi,WDR,HDR,Parking Monitor, Screen Saver, Date Stamp, G Sensor, Loop Recording Time Lapse, Auto Start Recording, Audio Video Recording, , Key Sound Etc.
Power supply	Car charger input: 12-24VDC, output: 5V-2A DC

**FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.