

[Manuals.plus](#) /

› [Rayfoto](#) /

› Rayfoto 4K Dual Dash Cam User Manual

Rayfoto S800



Rayfoto 4K Dual Dash Cam User Manual

Model: S800

1. PRODUCT OVERVIEW

The Rayfoto 4K Dual Dash Cam (Model S800) is a high-performance vehicle recording device designed to capture clear video footage from both the front and rear of your car. Featuring 4K resolution for the front camera and 2K for the rear, it provides comprehensive coverage with a wide 170° front and 150° rear viewing angle. Built-in WiFi and GPS enhance functionality, allowing for easy smartphone connectivity and route tracking. Equipped with a Sony STARVIS Sensor and HDR technology, it ensures excellent video quality even in low-light conditions.



Figure 1: Rayfoto 4K Dual Dash Cam main unit with included rear camera and 32GB Micro SD card.

2. KEY FEATURES

- **Real UHD 4K + HDR 2K Dual Recording:** Captures super clear views with a Sony STARVIS Sensor on the front (3840x2160P) and rear (2560x1440P) cameras.
- **Wide-Angle Lenses:** Front 170° and rear 150° wide-angle lenses reduce blind spots.
- **Built-in WiFi & GPS:** Seamless connection to the "Roadcam" smartphone app for live preview, playback, and sharing. GPS records driving route and speed.
- **SONY Sensor & Super Night Vision:** F1.8 large aperture, 6-glass lens, and HDR technology ensure clear imaging in low-light environments.
- **24H Parking Monitor:** Automatically monitors surroundings when parked (requires dedicated hardwire kit, ASIN: B0B92FSR8H).
- **G-Sensor:** Automatically locks video upon sudden shock or collision.
- **Loop Recording:** Automatically overwrites old files for continuous recording.
- **Super Capacitor:** Withstands extreme temperatures, preventing overheating and explosion risks.
- **4" IPS Touch Screen:** User-friendly interface for easy operation.

Figure 2: Overview of the compact and reliable design highlighting key features like Dual Camera, WiFi, GPS, Wide Angle, HDR, Loop Recording, Super Capacitor, G-Sensor, and Touch Screen.



Figure 3: Visual representation of the 4K HD resolution and 2-channel recording capability, emphasizing key technologies.



Figure 4: Visual comparison demonstrating the superior clarity of 4K resolution compared to 1080P and 2.5K.

3. WHAT'S IN THE BOX

- 1 * 4K Dash Cam (Main Unit)
- 1 * 2K Rear Camera
- 1 * 32G micro SD card
- 4 * 3M Adhesive Mounts
- 1 * DC Power Cord (Cigarette Lighter Adapter)
- 1 * USB Cord to Rear Camera

- 1 * Tool for installing into head-liner (if desired)

4. PRODUCT OVERVIEW (PHYSICAL)

The main dash cam unit features a 4-inch IPS touchscreen display for intuitive control. It includes an adjustable front camera lens and various ports for connectivity and storage.

- **Front Camera Lens:** Adjustable vertically to capture the desired view.
- **TF Micro SD Card Slot:** Supports up to 256GB (32GB card included).
- **Microphone:** Built-in for audio recording.
- **Power Button:** Located on the side for turning the device on/off.
- **Control Buttons:** Physical buttons below the screen for navigation and control.
- **USB Ports:** For power input and connecting the rear camera.



Figure 5: User-friendly design with a 4-inch IPS Touch Screen and physical buttons for dual operation.

5. SETUP AND INSTALLATION

Follow these steps to install your Rayfoto Dash Cam:

1. **Prepare the Mounting Surface:** Clean the area on your windshield where you intend to mount the dash cam. Ensure it's free of dust and grease.
2. **Attach the Main Unit:** Peel off the protective film from the 3M adhesive mount and firmly press the dash cam onto the chosen spot on your windshield, ideally behind the rearview mirror to avoid obstructing your view.
3. **Connect Power:** Plug the DC Power Cord into your vehicle's cigarette lighter socket and connect the other end to the main dash cam unit.
4. **Install Rear Camera:** Mount the 2K rear camera on your rear windshield using the provided 3M adhesive. Run the USB cable from the rear camera to the main unit, tucking the cable neatly along the headliner and trim using the included tool.
5. **Insert Micro SD Card:** Gently insert the 32GB micro SD card into the TF card slot on the side of the main unit until it clicks into place.
6. **Adjust Lens Angle:** Power on the dash cam and adjust the front camera lens to ensure it captures the desired road view.

Your browser does not support the video tag.

Video 1: Official Rayfoto Dash Cam overview and setup guide. This video demonstrates the physical components and basic installation steps.

6. OPERATING INSTRUCTIONS

The Rayfoto Dash Cam is designed for user-friendly operation through its touchscreen and physical buttons.

Basic Operation:

- **Power On/Off:** The device automatically powers on and begins recording when connected to power (e.g., car ignition) and powers off when power is disconnected. You can also manually power on/off using the side button.

- **Recording:** Recording starts automatically when the device powers on. A red dot indicator on the screen confirms recording is active.
- **Switching Camera Views:** On the touchscreen, swipe left or right to switch between front camera view, rear camera view, or picture-in-picture (both views simultaneously).
- **Audio Recording:** Tap the microphone icon on the screen to toggle audio recording on or off.
- **Locking Video:** Tap the lock icon to manually lock the current video file, preventing it from being overwritten by loop recording.
- **Taking Photos:** Tap the camera icon to take a still photo.

WiFi Control & App:

The built-in WiFi allows you to connect your smartphone to the dash cam via the "Roadcam" app for advanced control and file management.

1. **Enable WiFi:** Access the settings menu on the dash cam and enable the WiFi function.
2. **Connect via App:** Open the "Roadcam" app on your smartphone, search for the dash cam's WiFi network, and connect. The default password is usually "12345678".
3. **Live Preview & Playback:** Once connected, you can view live footage, play back recorded videos, and download files directly to your phone.
4. **Sharing:** Share recorded videos directly to social media platforms from the app.



Figure 6: Smart APP control via WiFi allows for convenient live preview, playback, and sharing of videos to social media.



Figure 7: The Wi-Fi connection feature enables wireless control and data transfer between the dash cam and your smartphone.

Voice Control:

The dash cam supports voice commands for hands-free operation. Ensure "Speech Recognition" is enabled in the settings.

- **"Take Photo":** Captures a still image.
- **"Record Video":** Starts video recording.
- **"Lock Video":** Locks the current video file.
- **"Screen On":** Turns the display screen on.
- **"Screen Off":** Turns the display screen off.
- **"Open Recorder":** Activates the recording function.
- **"Close Recorder":** Stops the recording function.



Figure 8: The Voice Control feature allows for hands-free operation of various dash cam functions.

7. SETTINGS MENU

Navigate the settings menu using the touchscreen or physical buttons to customize your dash cam's performance.

- **Resolution:** Adjust video resolution (e.g., 4K+2K, 2K+2K, 1080P60+2K).
- **Loop Recording:** Set recording duration (Off, 1 Minute, 3 Minutes, 5 Minutes).
- **Language:** Select your preferred language.
- **WiFi:** Enable/disable WiFi for app connectivity.
- **Dual Cam Display:** Choose display mode (Front, Rear, Front/Rear).
- **Record Audio:** Turn microphone on/off.
- **Date Stamp:** Enable/disable date and time overlay on videos.
- **G-Sensor:** Adjust sensitivity (Off, Low, Medium, High) for automatic video locking.
- **OSD Mode:** On-Screen Display mode.
- **Screen Saver:** Set screen saver activation time (Off, 30 Seconds, 1 Minute, 3 Minutes).
- **Time Display:** Toggle time display on/off.
- **Time System:** Choose 12-hour or 24-hour format.
- **Date/Time:** Manually set date and time.
- **Beep Sound:** Turn button press sounds on/off.
- **Parking Monitor:** Enable/disable parking surveillance (requires hardwire kit).
- **Speech Recognition:** Enable/disable voice commands.
- **Frequency:** Adjust video frequency (50Hz, 60Hz).
- **Time Zone:** Set your local time zone.
- **GPS Information:** View GPS signal strength and coordinates.
- **Format:** Format the micro SD card (deletes all data).
- **Default Setting:** Reset all settings to factory defaults.
- **Version Info:** Display firmware version information.

8. MAINTENANCE

- **Regular Formatting:** It is recommended to format the Micro SD card regularly (e.g., once a month) to ensure optimal performance and prevent data corruption.

- **Clean Lenses:** Gently wipe the camera lenses with a soft, lint-free cloth to ensure clear video quality.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates to improve performance and add new features.
- **Temperature Considerations:** The Super Capacitor allows the dash cam to operate in extreme temperatures (-4°F to 158°F). However, prolonged exposure to direct sunlight in very hot climates should be minimized when possible.

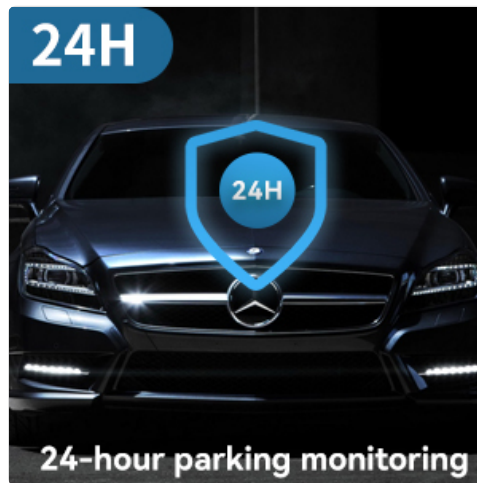


Figure 9: The dash cam is built with a Super Capacitor, allowing it to withstand extreme temperatures from 158°F down to -4°F.

9. TROUBLESHOOTING

- **Dash Cam Not Powering On:**
 - Ensure the power cable is securely connected to the dash cam and the vehicle's power outlet.
 - Check the vehicle's cigarette lighter fuse.
 - Verify the vehicle's ignition is on (if connected to a switched power source).
- **Recording Stops or Freezes:**
 - Format the Micro SD card regularly to clear old files and ensure sufficient space.
 - Use a high-speed (Class 10 or U3 recommended) Micro SD card from a reputable brand.
 - Check if the G-Sensor sensitivity is too high, causing frequent video locking and filling the card. Adjust to a lower setting if necessary.
- **Poor Video Quality:**
 - Clean the camera lenses.
 - Ensure the protective film has been removed from both lenses.
 - Check the resolution settings in the menu.
 - Verify the windshield is clean where the camera is mounted.
- **WiFi Connection Issues:**
 - Ensure WiFi is enabled on the dash cam and your smartphone.
 - Restart both the dash cam and your smartphone.
 - Confirm you are connecting to the correct WiFi network provided by the dash cam.
- **GPS Not Working:**
 - Ensure the dash cam has a clear view of the sky for satellite reception.
 - Check GPS settings in the menu.

10. SPECIFICATIONS

Feature	Detail
Product Dimensions	3 x 6 x 6 inches
Item Weight	1.65 pounds
Item Model Number	S800
Connectivity Technologies	Wi-Fi
GPS	Built-in Wi-Fi & GPS-Enable, Location Capture
Special Features	Touchscreen Motion Activated Sensor Dual Dash Cam, GPS&Speed Dashboard Camera, Super Capacitor Car Camera, 4K+2K Dash Cam Front and Rear, WIFI&APP Wireless Car Video Loop Recording, Track Driving Route with GPS-Tracking, Parking Monitor, G-sensor
Other Display Features	Wireless
Color	Black
Manufacturer	Rayfoto
Orientation	Drivers Side
Vehicle Service Type	Car
Video Capture Resolution	4K
Mounting Type	Adhesive mounting
Control Method	App, Touch, Voice

11. WARRANTY & SUPPORT

The Rayfoto 4K Dual Dash Cam is backed by a full 1-YEAR WARRANTY and 100% Satisfaction Guarantee. For technical support or any concerns, please contact Rayfoto customer service via email. They offer 7*24 hours technical support.

For a detailed user guide, you can download the official PDF manual:[User Manual \(PDF\)](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question