Surfola SD310

Surfola SD310 Dual Dash Camera User Manual

Model: SD310

1. INTRODUCTION

The Surfola SD310 Dual Dash Camera is designed to record video footage from both the front and rear of your vehicle, providing comprehensive coverage for your journeys. This manual provides detailed instructions for the proper installation, operation, and maintenance of your dash camera.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- Surfola SD310 Front Camera
- Rear Camera
- Car Charger
- Suction Mount
- Crowbar (for cable management)
- User Manual
- Pin & USB Cable

Image: All components included in the Surfola SD310 Dual Dash Camera package, laid out on a grey surface.

3. PRODUCT OVERVIEW

The Surfola SD310 features a compact design with a 3-inch IPS screen. It offers dual-channel recording with a 1440P front camera and 720P rear camera, providing a wide 170-degree view for the front camera. Key features include Super Night Vision, Wide Dynamic Range (WDR), Loop Recording, Parking Mode, and Emergency Lock.

Image: Front view of the Surfola SD310 dash camera, highlighting its compact size and various features such as 2K resolution, Super Night Vision, WDR, Loop Recording, Parking Mode, 170-degree Wide Angle, 3-inch screen, and Emergency Lock.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your dash camera:

1. **Prepare the Micro SD Card:** Insert a high-speed Micro SD card (Class 10 or higher, up to 128GB, not included) into the dash camera's SD card slot. Ensure the card is formatted within the camera settings before first use.
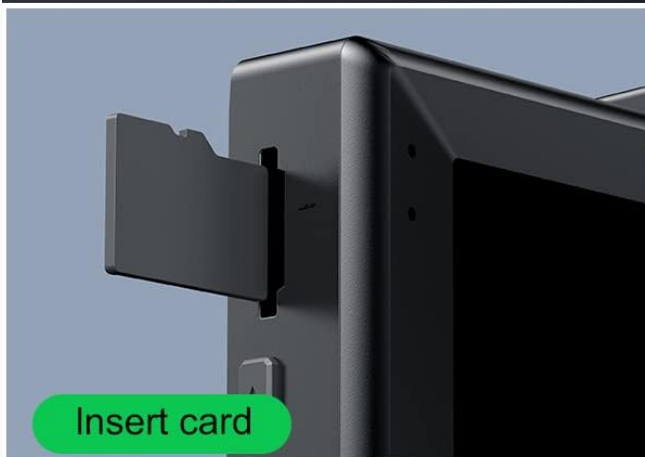
2. **Mount the Front Camera:** Attach the suction mount to the front camera and then firmly press the suction cup onto a clean, dry area of your windshield, preferably behind the rearview mirror, to ensure it does not obstruct your view.

3. **Connect Power:** Plug the car charger into your vehicle's cigarette lighter socket and connect the other end to the dash camera's power input. Route the cable neatly along the windshield and dashboard using the provided crowbar to tuck it under trim panels.

4. **Install Rear Camera (Optional):** If using the rear camera, connect it to the main unit and mount it on the rear windshield. Route the cable carefully to avoid interference with vehicle operations.

5. **Adjust Camera Angle:** Power on the camera and adjust the lens angle to capture the desired view of the road ahead. Ensure the horizon is level and important details are visible.

Easy Installation

Installing this dash cam is an easy process.
It usually takes less than 5 minitues to set up.

Hidden Embedded Wiring

Insert card

Attach the mount

Image: Visual guide demonstrating the easy installation of the dash camera, showing how to insert the SD card and attach the suction mount to the windshield.

5. OPERATING INSTRUCTIONS

The Surfola SD310 dash camera is designed for straightforward operation. Here are the basic functions:

- **Power On/Off:** The camera will automatically power on and begin recording when your vehicle starts (receiving power from the car charger). It will power off automatically when the vehicle is turned off. You can also manually power it on/off by pressing and holding the power button.

- **Recording Modes:** The camera supports various recording modes, including continuous loop recording, parking monitoring, and emergency recording triggered by the G-sensor.

- **Menu Navigation:** Use the physical buttons on the side of the camera to navigate through the menu options displayed on the 3-inch IPS screen.

- **Playback:** Access recorded videos and photos through the playback menu on the device.

Your browser does not support the video tag.

Video: A demonstration of the Surfola SD310's daytime video quality, showing clear footage from the front camera while driving on a road.

6. KEY FEATURES

6.1 Dual Recording

The SD310 offers simultaneous recording from both the front (1440P) and rear (720P) cameras, capturing a broader perspective of events around your vehicle.

Image: Illustration showing the dual recording capability of the dash camera, with a primary view of the road ahead and a smaller inset image representing the rear view.

6.2 Super Night Vision

Equipped with advanced sensors, the dash camera provides enhanced visibility and clear recordings even in low-light conditions, helping to capture details like license plates and road signs at night.
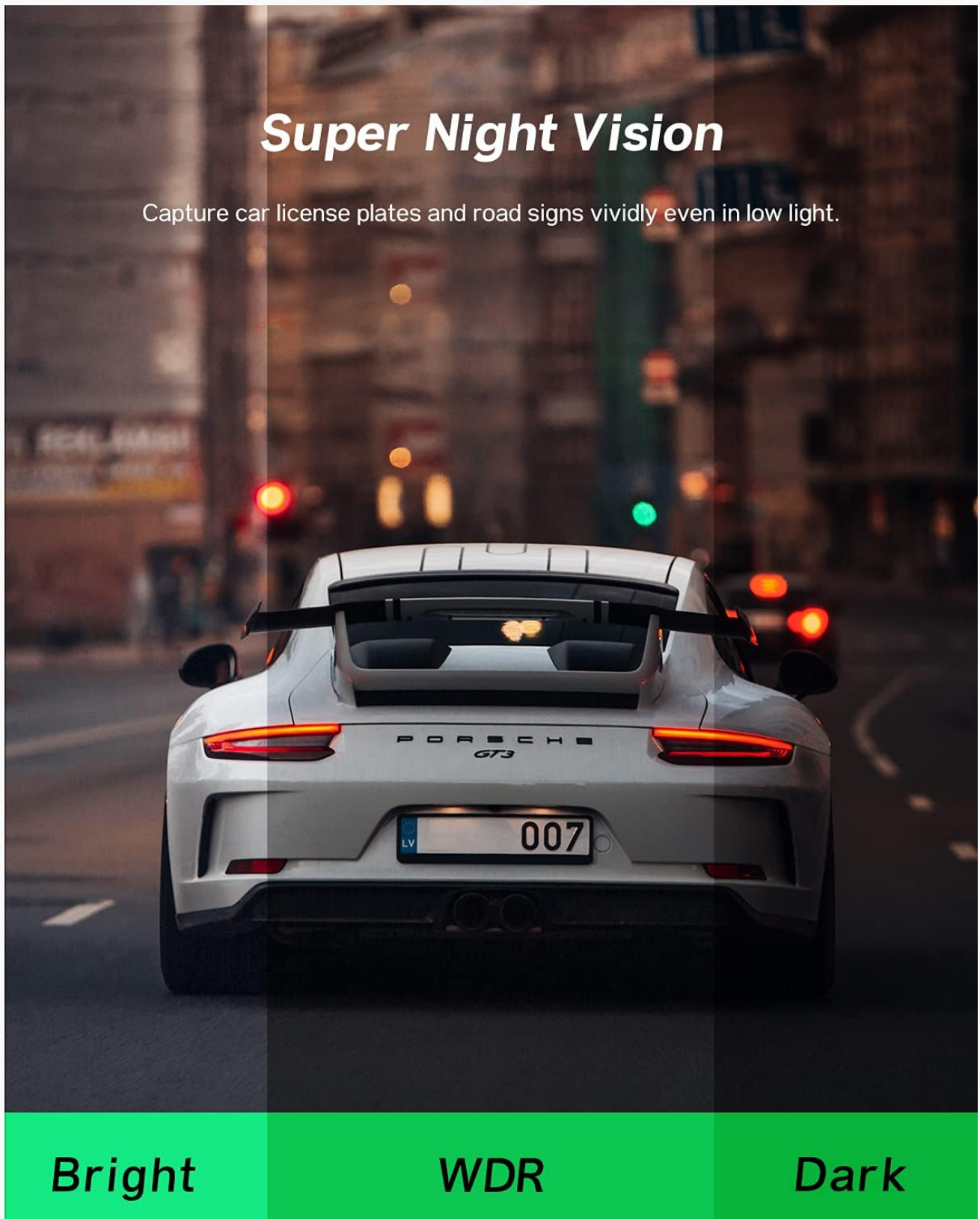
Image: A comparison showing the effectiveness of Super Night Vision, with sections labeled 'Bright', 'WDR', and 'Dark' to illustrate improved clarity in varying light conditions.

6.3 24-Hour Parking Mode

When enabled, the parking mode feature monitors your vehicle for impacts or motion even when parked. If an event is detected, the camera will automatically record and save the footage, providing security for your parked car.

Image: Graphic illustrating the 24-hour parking mode feature, with a clock icon indicating continuous monitoring and a car silhouette.

6.4 Emergency Lock (G-Sensor)

The built-in G-sensor detects sudden movements or collisions. In such an event, the current video segment is automatically locked and protected from being overwritten by loop recording, ensuring critical footage is preserved.

Image: The dash camera with a visual representation of video frames surrounding it, indicating the automatic locking of footage during an emergency event.

6.5 170° Wide Angle Lens

The front camera features a 170-degree ultra-wide-angle lens, capable of monitoring up to three lanes of traffic without significant distortion, providing a comprehensive view of the road.

Image: An overhead view of a car on a multi-lane road, with green arcs illustrating the 170-degree and 140-degree wide-angle coverage provided by the dash camera.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	3.5 x 2.17 x 1.16 inches

Item Weight	15.8 ounces
Connectivity Technology	USB
Video Capture Resolution	Front: 1440P, Rear: 720P
Mounting Type	Suction Mount
Control Method	Touch (IPS Screen)
Screen Size	3 Inches
Flash Memory Type	SD (Micro SD, Class 10 or higher, up to 128GB)
Auto Part Position	Front

8. MAINTENANCE

To ensure optimal performance and longevity of your Surfola SD310 Dash Camera, follow these maintenance guidelines:

- **Regular Formatting:** Format the Micro SD card regularly (e.g., once a month) to prevent data corruption and ensure smooth recording. Back up any important files before formatting.
- **Clean the Lens:** Gently clean the camera lenses with a soft, lint-free cloth to remove dust or smudges that could affect video quality.
- **Secure Mounting:** Periodically check that the suction mount is securely attached to the windshield to prevent the camera from falling.
- **Temperature Control:** Avoid exposing the camera to extreme temperatures for extended periods, as this can affect battery life and internal components.
- **Cable Management:** Ensure all cables are properly routed and secured to prevent them from interfering with driving or becoming damaged.

9. TROUBLESHOOTING

If you encounter issues with your Surfola SD310 Dash Camera, refer to the following common troubleshooting steps:

- **Camera not powering on:** Ensure the car charger is properly connected to both the camera and the vehicle's power outlet. Check if the vehicle's power outlet is functioning.
- **Camera repeatedly asks to format the memory card:** This often indicates an issue with the SD card. Try formatting the card within the camera's settings. If the issue persists, replace the SD card with a new, high-quality Class 10 (or higher) Micro SD card.
- **Poor video quality:** Clean the camera lenses. Ensure the protective film has been removed from the lens. Check the video resolution settings in the camera menu.
- **Camera falls from mounting cup:** Ensure the windshield surface is clean and dry before attaching the suction cup. Press firmly to create a strong seal. If the suction cup is old or damaged, it may need replacement.
- **Buttons unresponsive:** Try resetting the camera using the reset button (if available) or by disconnecting and reconnecting the power.
- **Loop recording not working:** Ensure loop recording is enabled in the settings and that there is sufficient

space on the SD card. Locked files from emergency recordings will not be overwritten.

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Surfola website. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - SD310

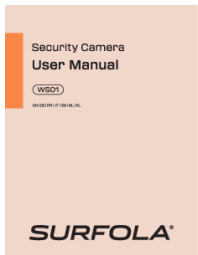|	
	[Surfola Action Camera FAQ: Package Contents, SD Cards, WiFi, and Warranty Information](#) Find answers to frequently asked questions about Surfola action cameras, including package contents, supported Micro SD cards, WiFi app connection, camera temperature, recommended accessories, and warranty details.
	[Surfola SD710 Dash Camera User Manual](#) Comprehensive user manual for the Surfola SD710 dash camera, covering installation, features, specifications, and customer support.
	[Surfola SF430 Action Camera User Manual](#) Comprehensive user manual for the Surfola SF430 Action Camera, detailing its features like 4K/60FPS video, 20MP photos, EIS stabilization, touchscreen interface, WiFi connectivity, underwater capabilities, and included accessories for outdoor and action recording.
	[Surfola SF530 Action Camera User Manual & Guide](#) Comprehensive user manual for the Surfola SF530 action camera. Learn about specifications, operation, settings, Wi-Fi connectivity, and accessories. Available in English, German, French, Italian, Spanish, Japanese, and more.

	[SURFOLA Action Camera Wi-Fi Connection Guide](#) This guide provides instructions for connecting your SURFOLA Action Camera to a mobile phone via Wi-Fi using the iSmart DV2 application, covering app download, permissions, and connection steps.
	[SURFOLA WS01 Security Camera User Manual | Setup, Safety, and Specifications](#) Comprehensive user manual for the SURFOLA WS01 Security Camera, detailing setup, features, LED indicators, safety precautions, troubleshooting, and regulatory compliance information.