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› Rayfoto Mirror Dash Cam User Manual

Rayfoto Mirror Dash Cam 2022 Evolution (B09F9YZMLQ)

Rayfoto Mirror Dash Cam User Manual

Model: Mirror Dash Cam 2022 Evolution (B09F9YZMLQ)

Brand: Rayfoto

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Rayfoto Mirror Dash Cam. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



The Rayfoto Mirror Dash Cam is an advanced vehicle recording system designed to enhance driving safety and provide evidence in case of incidents. It features front and rear cameras, a large touch display, and various smart functions.

2. SAFETY INFORMATION

To prevent injury or damage to the device, observe the following safety precautions:

- Do not expose the device to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- Ensure the dash cam is securely mounted and does not obstruct the driver's view or interfere with vehicle controls.
- Use only the provided power cable and accessories. Using incompatible accessories may cause damage or fire.
- Do not attempt to disassemble, repair, or modify the device. Contact customer support for assistance.
- Format the Micro SD card regularly to ensure optimal recording performance.

3. PACKAGE CONTENTS

Verify that all items are present in the package:



This image illustrates the complete set of components included with your Rayfoto Mirror Dash Cam, ensuring you have everything needed for installation and operation.

1. Rayfoto Mirror Dash Cam Unit
2. Rear Camera
3. GPS Module
4. Car Charger (Cigar Adapter)
5. Rubber Mounting Straps (for mirror unit)
6. Rear Camera Mounting Screws
7. 32GB Micro SD Card (Class 10)
8. User Manual (this document)

4. PRODUCT FEATURES

The Rayfoto Mirror Dash Cam is equipped with a range of features for comprehensive vehicle surveillance:



4.1 Dual 1080P FHD Recording

Records simultaneously from both front and rear cameras in Full HD 1080P, capturing clear details of the road ahead and behind. The front camera features a 1700 wide-angle lens, and the rear camera also offers a 1700 wide-angle view.



4.2 24-Hour Parking Monitoring

With the parking monitor feature, the dash cam automatically starts recording if it detects a collision or vibration while the vehicle is parked. This provides continuous surveillance even when you're away from your car.



4.3 G-Sensor (Emergency Lock)

The built-in G-sensor automatically detects sudden shakes or collisions and locks the current video footage to prevent it from being overwritten, ensuring critical evidence is preserved.



4.4 Super Clear Night Vision

Equipped with advanced sensors, the dash cam provides clear and detailed recordings even in low-light conditions, ensuring visibility during nighttime driving.



4.5 WDR/HDR Technology

Wide Dynamic Range (WDR) and High Dynamic Range (HDR) technologies balance exposure in challenging lighting conditions, such as strong backlight or tunnels, to ensure clear video footage without overexposure or underexposure.



4.6 Built-in GPS

The integrated GPS module records driving speed, direction, and route data, which can be viewed on a computer using dedicated playback software.



4.7 LED Signal Light Compatibility

The dash cam is designed to record LED traffic signals clearly at 27.5fps, preventing flickering issues often seen with standard dash cams.



4.8 Parking Assist Function

When reversing, the rear camera view automatically displays on the screen with parking guidelines, assisting with safe parking maneuvers.



4.9 Anti-Interference Design

The device is designed with countermeasures against electromagnetic interference and noise, ensuring stable operation and preventing interference with other in-car electronics like car navigation or radio.

5. SETUP AND INSTALLATION

5.1 Micro SD Card Insertion

Before first use, insert the provided 32GB Micro SD card into the dash cam's card slot. Ensure the card is inserted correctly with the contacts facing the proper direction. Format the card through the dash cam's settings menu before initial recording.



The front camera lens can be adjusted vertically and horizontally to achieve the optimal recording angle after installation.

5.2 Mirror Dash Cam Installation

1. Attach the mirror dash cam unit to your vehicle's original rearview mirror using the provided rubber straps. Ensure it is securely fastened and does not wobble.
2. Adjust the front camera lens angle to capture the desired view of the road ahead.

5.3 Rear Camera Installation

The rear camera is IP68 waterproof and can be installed outside the vehicle, typically above the license plate. Alternatively, it can be installed inside the rear window.

1. Choose a suitable mounting location for the rear camera.
2. Secure the rear camera using the provided screws or adhesive.
3. Route the rear camera cable to the main mirror unit, ensuring it does not interfere with airbags or other vehicle components. Connect the cable to the rear camera input on the mirror unit.
4. For parking assist functionality, connect the rear camera's red wire to the vehicle's reverse light power wire.

5.4 GPS Module Installation

Connect the GPS module to the designated port on the mirror dash cam. Place the GPS module on the dashboard or another location with a clear view of the sky for optimal signal reception.

5.5 Power Connection

Connect the car charger (cigar adapter) to the dash cam's power input port and then plug it into your vehicle's 12V power outlet (cigarette lighter socket). The dash cam will power on automatically when the vehicle starts and power off when the engine is turned off.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** The device powers on automatically with vehicle ignition. To manually power off, press and hold the power button.
- **Screen On/Off:** Briefly press the power button to turn the screen on or off while recording continues in the background.

6.2 Touch Screen Controls

The 11-inch touch screen allows for intuitive control:

伸縮可能カメラ視野三倍広げ、
より良い安全運転



フルHD1980*418pix超高表示解像度、
撮った写真も1080P！



タッチして70度表示角度調節可能

The touch screen allows for easy navigation and adjustment of settings, including switching between front, rear, and split-screen views.

- **Swipe Left/Right:** Switch between front camera view, rear camera view, and split-screen view.
- **Swipe Up/Down (on camera view):** Adjust the vertical viewing angle of the camera.
- **Tap Icons:** Access various functions like settings, playback, and emergency lock.

6.3 Recording Modes

- **Normal Recording:** Automatically starts when the vehicle is powered on. Videos are recorded in a continuous loop.

- **Loop Recording:** When the memory card is full, the oldest unlocked files are automatically overwritten to make space for new recordings.
- **Emergency Recording (G-Sensor):** In case of a collision, the G-sensor triggers and locks the current video file, preventing it from being overwritten.
- **Parking Monitoring:** When the vehicle is parked and the engine is off, the dash cam will automatically start recording if it detects a collision or vibration.

6.4 Playback

To view recorded videos:

1. Tap the playback icon on the screen.
2. Select the desired video file from the list. Files are typically categorized by normal, locked, or parking recordings.
3. Use the on-screen controls to play, pause, fast forward, or rewind.

6.5 Settings Menu

Access the settings menu by tapping the gear icon on the screen. Adjust various parameters including:

- Video Resolution (e.g., 1080P)
- Loop Recording Duration (e.g., 1/3/5 minutes)
- G-Sensor Sensitivity (Low/Medium/High)
- Parking Monitor On/Off
- Time Zone and Date/Time
- Screen Saver Time
- Volume
- Format SD Card

7. MAINTENANCE

7.1 Cleaning the Device

Use a soft, dry cloth to clean the dash cam unit and lenses. Do not use abrasive cleaners or solvents, as they may damage the surface or optics.

7.2 SD Card Maintenance

It is recommended to format the Micro SD card once a month to ensure stable recording performance and prevent data corruption. Formatting will erase all data on the card, so back up any important files before proceeding.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; loose connection; faulty car charger.	Check power connection; ensure car charger is working; try a different 12V outlet.
Recording stops or freezes.	SD card full or corrupted; slow SD card; G-sensor too sensitive.	Format SD card; use a Class 10 or higher SD card; adjust G-sensor sensitivity.
Poor video quality.	Dirty lens; protective film on lens; low light conditions.	Clean lenses; remove protective film; ensure sufficient lighting for night recording.

Problem	Possible Cause	Solution
GPS signal not found.	GPS module not connected; obstructed view of sky.	Ensure GPS module is connected; place module in a clear area (e.g., dashboard).
Interference with radio/navigation.	Electromagnetic interference.	Ensure proper cable routing; use anti-interference measures if necessary.

9. SPECIFICATIONS

Feature	Detail
Display Size	11 inches
Display Type	LCD
Video Resolution	Front & Rear 1080P FHD
Lens Angle	Front 1700, Rear 1700
Storage	Supports Micro SD Card (32GB Class 10 included)
Special Features	24-Hour Parking Monitor, G-Sensor, GPS, WDR/HDR, Night Vision, Loop Recording, Touch Control, LED Signal Compatibility
Mounting Type	Adhesive Mount (Mirror Type)
Color	Black
Dimensions	34.29 x 12.2 x 7.5 cm
Weight	1.11 kg

10. WARRANTY AND SUPPORT

Rayfoto products come with a standard warranty. For detailed warranty information, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official Rayfoto website. Do not attempt to repair the device yourself, as this may void the warranty.

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