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› Lonvgrt Mivo Dashcam Pro User Manual

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Model: Mivo Dashcam Pro

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lonvgrt Mivo Dashcam Pro. Please read this manual thoroughly before using the device to ensure proper functionality and safety. The Mivo Dashcam Pro is designed to record your driving journey in high definition, offering features like dual 4K front and 1080P rear recording, enhanced night vision, 24-hour parking monitoring, integrated Wi-Fi, and GPS tracking.

SAFETY INFORMATION

- Do not operate the dashcam or adjust settings while driving. This can distract you and lead to accidents.
- Ensure the dashcam is securely mounted and does not obstruct your view of the road or interfere with airbag deployment.
- Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only the original power adapter and cables provided with the device. Using unauthorized accessories may damage the dashcam and void the warranty.
- Do not attempt to disassemble or repair the dashcam yourself. Contact customer support for assistance.
- Regularly format the memory card to ensure optimal recording performance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Lonvgrt Mivo Dashcam Pro (Main Unit)
- Rear Camera (1080P)
- Car Charger
- Mounting Bracket (Windshield Mount)
- GPS Module
- User Manual

- Note: A MicroSD card (up to 128GB, Class 10 or higher) is required but not always included.

PRODUCT OVERVIEW

Familiarize yourself with the components of your dashcam.

LARGE **SCREEN**, COMPACT SIZE **EASY** TO INSTALL AND REMOVE

2.89 inch
Large Screen



Adhesive slide cover
Save space and easy to install



Bracket Can Be Detached
Without Damage



Adjustable
Bracket
Angle



Hidden installation
Does Not Obstruct View



Image: Front view of the Lonygrt Mivo Dashcam Pro, highlighting its 2.89-inch screen, detachable bracket, and adjustable angle for hidden installation. This image illustrates the compact size and ease of installation.

PRODUCTS SIZE

Manually measured data



Image: Detailed dimensions of the Lonygrt Mivo Dashcam Pro, showing its length (86.6mm/3.4 inches), height (59.5mm/2.34 inches), and depth (36mm/1.42 inches). This provides a clear understanding of the product's physical size.

Main Unit Features:

- 2.89-inch LCD Screen
- Front Camera Lens (170° Wide Angle, F1.8 Aperture, 6-Glass Lens)
- Power Button
- Menu Button
- Up/Down Navigation Buttons
- OK/Confirm Button
- MicroSD Card Slot
- Mini USB Power Port
- Rear Camera Input Port
- Built-in Microphone and Speaker

SETUP

1. Inserting the MicroSD Card

1. Ensure the dashcam is powered off.
2. Locate the MicroSD card slot on the side of the main unit.
3. Insert a Class 10 or higher MicroSD card (up to 128GB) into the slot until it clicks into place.
4. *Important: Format the MicroSD card within the dashcam's settings menu before first use and periodically thereafter to prevent recording errors.*

2. Mounting the Dashcam

1. Clean the windshield area where you intend to mount the dashcam.
2. Attach the mounting bracket to the dashcam.
3. Peel off the protective film from the adhesive pad on the bracket.
4. Press the bracket firmly onto the windshield, ensuring it does not obstruct your view.
5. Adjust the camera angle to capture the road ahead clearly.

3. Connecting the Power

1. Connect the car charger to the Mini USB port on the dashcam.
2. Plug the other end of the car charger into your vehicle's cigarette lighter socket.
3. Route the power cable neatly along the windshield and dashboard to avoid interference with driving.

4. Installing the Rear Camera (Optional)

1. Mount the rear camera on the rear windshield using its adhesive pad.
2. Connect the rear camera cable to the designated input port on the main dashcam unit.
3. Route the cable carefully to avoid damage or obstruction.

4K DUAL CHANNEL RECORDING

Captures more details from street signs, license plate etc.



Image: Illustration of the dual-channel recording capability, showing the front camera capturing a 170-degree view at 1440p 30fps and the rear camera capturing a 150-degree view at 1080p 30fps. This demonstrates the comprehensive coverage provided by the system, along with operating temperature range of -20°C to 80°C.

OPERATING INSTRUCTIONS

1. Power On/Off

- The dashcam will automatically power on and begin recording when your vehicle's ignition is turned on.
- It will automatically power off when the ignition is turned off.
- To manually power on/off, press and hold the Power button.

2. Basic Recording

- Once powered on, the dashcam will automatically start loop recording.
- Videos are saved in segments (e.g., 1, 3, or 5 minutes) and overwrite the oldest unlocked files when the memory

card is full.

- In case of a collision or sudden braking, the built-in G-sensor will detect the event and automatically lock the current video file to prevent it from being overwritten.

3. Wi-Fi Connection and App Usage

The dashcam features integrated Wi-Fi for easy access to recordings via your smartphone.

1. Download the "FinalCamX" app from the App Store (iOS) or Google Play Store (Android).
2. On the dashcam, navigate to the Wi-Fi settings and enable Wi-Fi. The screen will display the Wi-Fi network name (SSID) and password.
3. On your smartphone, go to Wi-Fi settings and connect to the dashcam's Wi-Fi network.
4. Open the "FinalCamX" app. You can now view live footage, browse recorded videos, download files to your phone, and adjust dashcam settings.



Image: Screenshot demonstrating the "FinalCamX" mobile application interface for Wi-Fi control. It shows options to view live footage, access camera files, and share videos to social media platforms. This highlights the convenience of managing recordings wirelessly.

4. GPS Functionality

The integrated GPS module records your vehicle's speed, route, and location data, which can be viewed alongside your video footage.

- Ensure the GPS module is connected to the dashcam.
- GPS data is automatically embedded into the video files.
- To view GPS data, use the dedicated player software (usually available for download from the manufacturer's website) on a computer, or through the mobile app.

5. Parking Monitor

The 24-hour parking monitor protects your vehicle when parked.

- When the vehicle is parked and the ignition is off, the dashcam enters parking monitoring mode.
- If a collision or vibration is detected (via the G-sensor), the dashcam will automatically power on and record a short video, then power off.
- The dashcam features battery protection, automatically shutting down if the car battery voltage drops too low to prevent draining the vehicle's battery.
- *Note: For continuous 24/7 parking surveillance, a hardwire kit (sold separately) may be required to provide constant power.*

6. Night Vision

The dashcam is equipped with enhanced night vision technology.

- The F1.8 large aperture and 6-glass lens enhance recording clarity in low-light conditions.
- This feature automatically activates to provide clear video footage during nighttime driving or in dimly lit environments.

SUPPER NIGHT VISION

With F1.8 large aperture, 6-Glass lens enhances therecording night vision in low light environment.



F1.8
Aperture



6
Layers Glass



170°
Wide Angle



Image: Illustration highlighting the "Super Night Vision" feature, detailing the F1.8 aperture, 6-glass lens, and 170-degree wide angle. The image shows a car driving on a road at dusk, demonstrating the dashcam's ability to record clearly in low-light environments.

7. Wide Angle Coverage and WDR

The dashcam provides a wide field of view and advanced image processing.

- The 170° front and 150° rear wide-angle lenses minimize blind spots, capturing a comprehensive view of the road.
- WDR (Wide Dynamic Range) technology automatically adjusts exposure to balance bright and dark areas, ensuring clear images in varying light conditions, such as entering or exiting tunnels.

170° WIDE ANGLE

Human eyes have blind spots.

The wide-angle lens easily records the area on both sides of the car front, providing the driver with more comprehensive video evidence.



Image: Diagram illustrating the 170-degree wide-angle coverage of the front camera and 150-degree for the rear camera. It shows how the wide lens captures both sides of the car's front, providing comprehensive video evidence by minimizing blind spots.

WDR WIDE AREA DYNAMIC

New WDR Superview Image Enhancement Technology



SUPPORTS UP TO
128GB TF CARD

ADEQUATE VIDEO STORAGE TIME



* Not included



ADAPTIVE LIGHT
ADJUSTMENT

SOLVE SUDDEN LIGHT CONTRAST ISSUES

Image: Visual explanation of WDR (Wide Dynamic Range) technology, showing how it balances overexposed and underexposed areas for clear images. The image also indicates support for up to a 128GB TF card for adequate video storage.

MAINTENANCE

1. Cleaning the Dashcam

- Ensure the device is powered off and disconnected from power before cleaning.
- Use a soft, dry cloth to wipe the dashcam body.
- For the lens, use a lens cleaning cloth or specialized lens wipes to avoid scratches. Do not use abrasive cleaners.

2. Memory Card Management

- Regularly format the MicroSD card (at least once a month) through the dashcam's settings menu to maintain optimal performance and prevent data corruption.
- Back up important video files to your computer or smartphone before formatting.

- Replace the MicroSD card if you notice frequent errors or degraded performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dashcam does not power on.	No power supply; faulty car charger; loose connection.	Check car charger connection and vehicle's cigarette lighter socket. Try a different power source if available.
Recording stops or freezes.	Memory card full or corrupted; slow memory card; dashcam firmware issue.	Format the MicroSD card. Use a Class 10 or higher card. Update firmware if available. Replace memory card if issues persist.
Poor video quality.	Dirty lens; protective film still on lens; incorrect resolution settings.	Clean the lens. Ensure protective film is removed. Check video resolution settings in the menu.
Wi-Fi connection issues.	Incorrect password; app not updated; interference.	Verify Wi-Fi password. Ensure the "FinalCamX" app is up to date. Try restarting both dashcam and phone.
Parking monitor not working.	Parking monitor feature disabled; insufficient power supply (no hardwire kit).	Enable parking monitor in settings. Consider installing a hardwire kit for continuous power.

SPECIFICATIONS

Model Name	Mivo Dashcam Pro
Brand	Lonvgrt
Front Video Resolution	4K (2160p)
Rear Video Resolution	1080P (Full HD)
Front Viewing Angle	170 Degrees
Rear Viewing Angle	150 Degrees
Connectivity	Wi-Fi, GPS
Special Features	24/7 Parking Monitor with Battery Protection, Enhanced Night Vision, WDR, Loop Recording, G-Sensor
Display	2.89-inch LCD Screen
Storage	Supports MicroSD card up to 128GB (Class 10 or higher)
Mounting Type	Windshield Mount (Adhesive)
Operating Temperature	-20°C to 80°C

WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. Please refer to the retailer's return policy or contact the seller directly for warranty details.

Customer Support:

For any questions, technical assistance, or support inquiries regarding your Lonvgrt Mivo Dashcam Pro, please contact the seller or manufacturer through the platform where you purchased the product. You may also refer to the "Service après-vente" section in the original product description which states: "Pour toute question, n'hésitez pas à nous contacter par e-mail." (For any questions, do not hesitate to contact us by e-mail.)