

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [MINIEYE](#) /

> [MINIEYE 2Pro Dashcam User Manual - 4K Front & Rear, AI ADAS, Wi-Fi, GPS](#)

MINIEYE MINIEYE 2Pro (MINIEYE-C2M)

MINIEYE 2Pro Dashcam User Manual

Model: MINIEYE 2Pro (MINIEYE-C2M)

1. INTRODUCTION

Thank you for choosing the MINIEYE 2Pro Dashcam. This device is designed to enhance your driving safety and provide reliable recording of your journeys. Equipped with a SONY IMX415 4K sensor, AI-powered Advanced Driver-Assistance Systems (ADAS), and dual front and rear cameras, it offers comprehensive monitoring and intelligent warnings. This manual provides essential information for proper installation, operation, maintenance, and troubleshooting.



Image 1.1: Overview of MINIEYE 2Pro Dashcam and its key features.

2. PRODUCT FEATURES

- **Real-time 3D Mapping:** Capable of recognizing most vehicle types ahead, including compact cars, SUVs, minivans, and trucks. The display adapts to show the specific type of vehicle detected.

- **AI Analysis for Vehicle and Pedestrian Detection:** The MINIEYE 2Pro camera, mounted on the vehicle's windshield, detects vehicles, motorcycles, pedestrians, bicycles, and lane markings ahead.
- **Safety Driving Support Functions (ADAS):** Includes warnings for following distance/collision, lane departure, pedestrian distance/collision, and front vehicle departure notification.
- **Dual Camera Front and Rear Recording:** The front camera records up to 4K (150° FOV) and the rear camera records at 1080P (130° FOV), allowing clear confirmation of both front and rear vehicle conditions and road traffic information. Equipped with a SONY IMX415 sensor for clear night vision.
- **Smartphone Connectivity:** Connect the device to your smartphone via Wi-Fi to view videos, adjust settings through the app, and transfer data to your smartphone.
- **Firmware Updates:** Designed for smart updates to enhance product functionality over time.



Image 2.1: Visual representation of the dashcam's various ADAS features and recording capabilities.

3. SETUP

3.1 Package Contents

Before installation, please ensure all components are present:

- MINIEYE 2Pro Dashcam Main Unit
- Rear Camera (if included in your package)
- Car Charger
- Adhesive Mounts
- User Manual (this document)
- Cables (power cable, rear camera cable)

3.2 Installation

1. **Choose Mounting Location:** Select a location on your windshield that does not obstruct your view and allows the camera to capture a clear view of the road ahead. For the rear camera, choose a spot on the rear window.
2. **Clean Surface:** Ensure the mounting surface is clean and dry before applying the adhesive mount.
3. **Attach Mount:** Securely attach the adhesive mount to the chosen location.
4. **Mount Dashcam:** Slide the dashcam onto the mount until it clicks into place.
5. **Connect Power:** Plug the car charger into your vehicle's cigarette lighter socket and connect the power cable to the dashcam. Route the cable neatly to avoid interference with driving.
6. **Connect Rear Camera (Optional):** If using a rear camera, connect its cable to the main unit and route it along the vehicle's interior to the rear window.

3.3 Initial Setup

Upon first power-on, the device may prompt you to set the language, date, and time. Follow the on-screen instructions. Ensure the time zone is correct for accurate timestamping of recordings.

3.4 Smartphone App Connection

Download the official MINIEYE app from the App Store (iOS) or Google Play Store (Android). Once installed:

1. Turn on Wi-Fi on your smartphone.
2. On the dashcam, enable Wi-Fi (refer to the device's menu if needed).
3. Connect your smartphone to the dashcam's Wi-Fi network (SSID and password usually displayed on the dashcam screen or in the manual).
4. Open the MINIEYE app to access live view, recordings, and settings.



Image 3.1: Smartphone app connectivity for the MINIEYE 2Pro.

4. OPERATING INSTRUCTIONS

4.1 Basic Recording

The dashcam automatically begins recording when powered on. Recordings are saved to the inserted microSD card. Loop recording ensures continuous recording by overwriting the oldest files when the card is full.

4.2 Screen Display Switching

You can switch between different display modes on the dashcam screen. Typically, a quick double-click of the top button allows you to toggle between the ADAS information display and the full dashcam recording view.



Image 4.1: Switching between ADAS and recording views.

4.3 Advanced Driver-Assistance Systems (ADAS)

The MINIEYE 2Pro features several ADAS functions to assist with safer driving:

- **Forward Collision Warning (FCW):** Alerts you if you are approaching a vehicle too quickly.
- **Lane Departure Warning (LDW):** Notifies you if your vehicle drifts out of its lane without signaling.
- **Pedestrian Collision Warning (PCW):** Warns of potential collisions with pedestrians.
- **Front Vehicle Departure Notification (FVDN):** Informs you when the vehicle ahead starts moving from a stop.

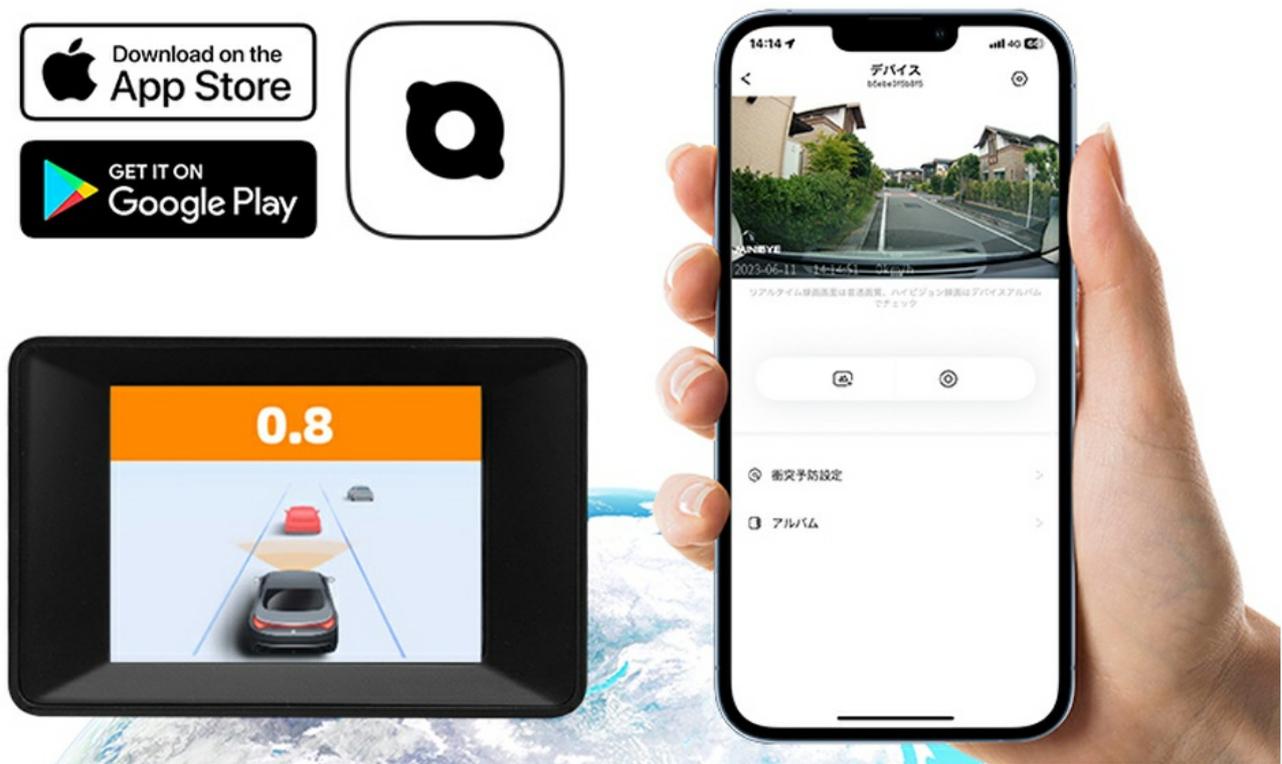


Image 4.2: Examples of ADAS warnings displayed on the screen.

Important Note: These ADAS features are warning systems only and do not control your vehicle's brakes or steering. Always maintain full attention on the road and drive safely.



Image 4.3: Vehicle detection up to 120 meters.



Image 4.4: Pedestrian detection up to 60 meters.



Image 4.5: AI analysis process for object detection.

5. MAINTENANCE

5.1 Cleaning

Wipe the camera lens and screen with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the device.

5.2 microSD Card Management

Regularly format your microSD card (at least once a month) to ensure optimal performance and prevent data corruption. Use a high-quality, high-speed microSD card (Class 10 or higher, U3 recommended) for reliable recording. Replace the card if you experience frequent errors or recording issues.

5.3 Firmware Updates

The MINIEYE 2Pro supports smart firmware updates via the smartphone app. Regularly check for and install updates to ensure your device has the latest features and performance improvements.



Image 5.1: Firmware update screen.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply; faulty cable/charger.	Check power connection; try a different power source or cable.
Recording errors or corrupted files.	Faulty/full microSD card; incompatible card.	Format the microSD card; replace with a new, compatible card (Class 10, U3).
Wi-Fi connection issues.	Incorrect password; device Wi-Fi off; app issues.	Ensure correct password; enable Wi-Fi on both devices; restart app/device.
ADAS warnings are inaccurate or too frequent.	Camera calibration needed; environmental factors (weather, lighting); settings.	Ensure camera is clean and properly aligned; adjust sensitivity settings in the app. Note that performance can vary with conditions.

Problem	Possible Cause	Solution
Screen goes dark during idling stop.	Possible battery issue or power fluctuation.	Ensure stable power supply. If issue persists, contact support.

7. SPECIFICATIONS

Brand: MINIEYE

Model Number: MINIEYE-C2M

Screen Size: 2.4 inches (LCD)

Front Camera Resolution: Up to 4K (2160p)

Rear Camera Resolution: 1080p

Front Camera Field of View (FOV): 150 degrees

Rear Camera Field of View (FOV): 130 degrees

Sensor: SONY IMX415

Mounting Method: Adhesive

Control Method: App

Included Components: Car Charger

Product Dimensions: 18 x 16 x 8 cm



Image 7.1: Product dimensions.



Image 7.2: Front and rear camera fields of view.

8. WARRANTY AND SUPPORT

8.1 Warranty Period

The MINIEYE 2Pro Dashcam comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

Important: The manufacturer's warranty for this product is only valid for items purchased from the 'MINIEYE Store'. Please ensure you verify this before purchase.

8.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your MINIEYE 2Pro Dashcam, please contact the seller or MINIEYE customer support through the platform where you purchased the product.

9. IMPORTANT SAFETY NOTES

- This product is an aftermarket collision prevention 'warning' system and does not control brakes or steering. It is intended to assist the driver, not replace safe driving practices.
- Some functions may not operate normally due to differences in vehicle conditions, driving style, or road environment (e.g., heavy rain, fog, strong sunlight, complex road markings).
- Do not over-rely on this product. The manufacturer is not responsible for any accidents, property damage, personal injury, or any other incidents caused by or related to this product.
- This product is a parallel import.
- Ensure the dashcam is installed in a location that does not obstruct the driver's view or interfere with airbag deployment.
- Do not operate the dashcam or change settings while driving. Always pull over safely before making adjustments.