

POYBPCY Dash Cam 2.5K Front and Rear Camera

POYBPCY 2.5K Front and Rear Dash Cam User Manual

Model: Dash Cam 2.5K Front and Rear Camera

1. INTRODUCTION

Thank you for choosing the POYBPCY 2.5K Front and Rear Dash Cam. This manual provides essential information for the proper installation, operation, and maintenance of your device. Please read it carefully before use to ensure optimal performance and safety.

This dash cam is designed to record driving footage in high resolution, offering features like Wi-Fi connectivity, super night vision, parking monitoring, and loop recording to enhance your driving safety and provide evidence in case of incidents.



Image 1.1: Overview of the POYBPCY 2.5K Front and Rear Dash Cam and its main features.

2. PACKAGE CONTENTS

Please check the box for the following items:

- 1 x POYBPCY Front Dash Camera
- 1 x POYBPCY Rear Camera
- 1 x 32GB Micro SD Card
- 1 x USB Card Reader
- 1 x User Manual
- 1 x Car Cigarette Lighter Power Cord (Note: A hardwire kit may be purchased separately for continuous power when the car is off)
- 1 x Adjustable Suction Cup Mount
- 1 x SD Card Ejector Tool
- 1 x Installation Tool



Image 2.1: All components included in the product package.

3. PRODUCT OVERVIEW

Familiarize yourself with the main components and features of your dash cam:

- **Front Camera:** Records the road ahead in 2.5K Quad HD (2560x1440p @ 30fps or 60fps).
- **Rear Camera:** Records the rear view in 1080p Full HD (1920x1080p @ 30fps).
- **3-inch LCD Screen:** For live view, playback, and menu navigation.
- **Wi-Fi Module:** Enables connection to the mobile application for control and file management.
- **G-sensor:** Detects sudden impacts and automatically locks current video footage.
- **Super Night Vision:** Enhanced low-light performance with upgraded sensor and F1.8 aperture.
- **Wide Dynamic Range (WDR):** Improves video clarity in varying light conditions.
- **Loop Recording:** Automatically overwrites the oldest unlocked files when the SD card is full.
- **Parking Monitor:** Records automatically when motion or impact is detected while parked (requires hardwire kit for 24/7 monitoring).

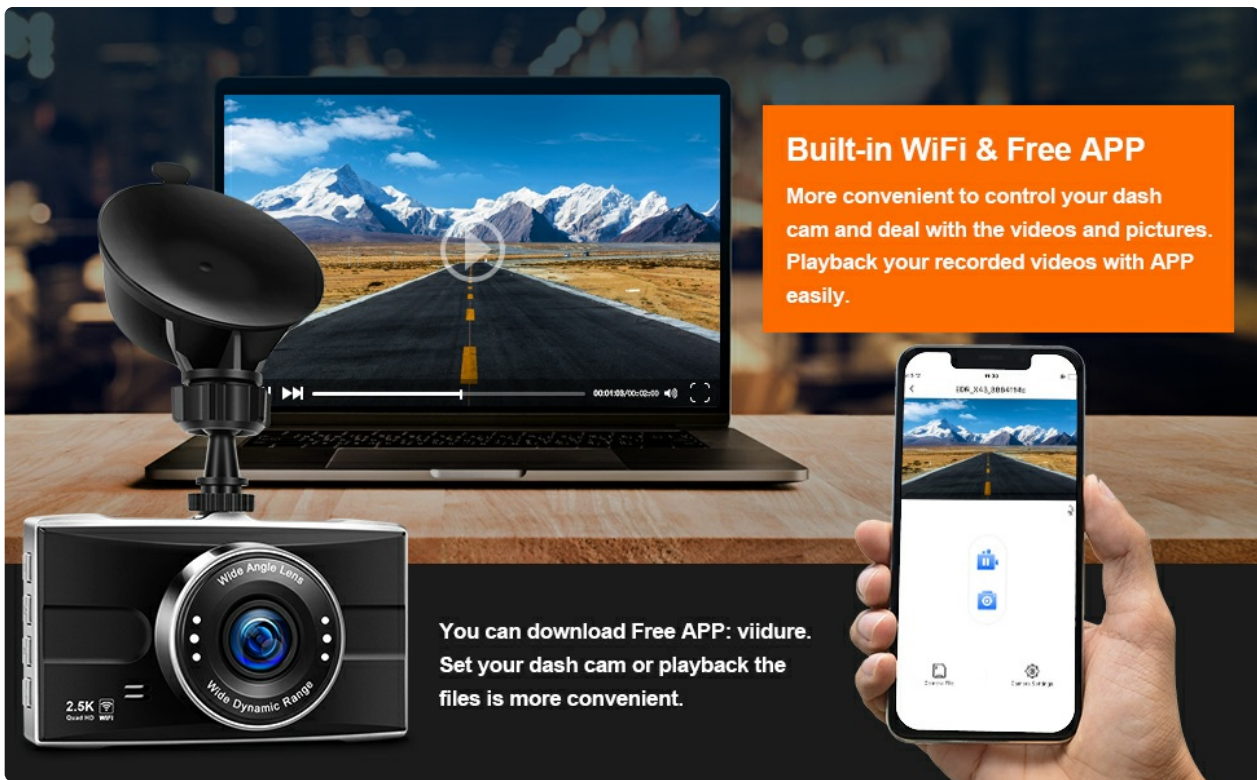


Image 3.1: Detailed diagram of the dash cam's features and physical components.

4. SETUP

4.1. Inserting the Micro SD Card

1. Ensure the dash cam is powered off.
2. Locate the Micro SD card slot on the side of the dash cam.
3. Insert the provided 32GB Micro SD card (or a compatible card up to 128GB, Class 10 or higher) into the slot until it clicks into place. Use the ejector tool if needed.
4. To remove, gently push the card in until it clicks, then release. The card will spring out.



Image 4.1: Correct method for inserting the Micro SD card.

4.2. Mounting the Dash Cam

1. Clean the windshield area where you intend to mount the dash cam.
2. Attach the suction cup mount to the dash cam.

3. Press the suction cup firmly against the windshield and flip the lever to secure it. Position the camera to ensure a clear view of the road without obstructing your driving vision.
4. Adjust the angle of the front camera for optimal recording.

4.3. Installing the Rear Camera

1. Connect the rear camera cable to the main dash cam unit (AV-IN port).
2. Route the rear camera cable neatly along the car's headliner and trim to the rear of the vehicle.
3. Mount the rear camera on the rear windshield, ensuring a clear view.



Image 4.2: Simplified diagram of the dash cam and rear camera installation.

4.4. Powering the Dash Cam

1. Connect the car charger to the dash cam's power input (Type C port).
2. Plug the other end of the car charger into your vehicle's cigarette lighter socket.
3. The dash cam will automatically power on and begin recording when your vehicle starts.



Image 4.3: The car charger also features a USB port for charging other devices.

5. OPERATING INSTRUCTIONS

5.1. Basic Recording

Once powered on, the dash cam will automatically start recording. The front camera records in 2.5K, and the

rear camera records in 1080p simultaneously. Recording status is indicated on the screen.

The Most Reliable
Powerful, Function and Compact

**2.5K Front+ 1080P
Rear Dash Cam**

2.5K Quad HD
2560x1440P@30fps

1080P
1920x1080P@30fps

2.5k WiFi APP WDR Loop recording

Night Vision G-sensor Parking Monitor F1.8 Aperture 32GB SD Card Included

Image 5.1: Example of 2.5K Quad HD recording quality and dual camera display.

5.2. Wi-Fi Connectivity and App Control

The dash cam features built-in Wi-Fi for easy control via a smartphone application (e.g., HomeEye APP).

1. Download the recommended app from your smartphone's app store.
2. Enable Wi-Fi on your dash cam through the settings menu.
3. Connect your smartphone to the dash cam's Wi-Fi network.
4. Open the app to view live footage, change settings, playback videos, and download files directly to your phone.

Quad HD 2.5K

Single Front Camera 2.5K @30fps

QHD

00:21 2.5K WDR 2022/07/26 00:35:59 P G



Dual Camera 2.5K @30fps + 1080P @30fps

QHD



Image 5.2: Using the smartphone app for Wi-Fi control of the dash cam.

5.3. Super Night Vision and WDR

The dash cam is equipped with an upgraded sensor, infrared LED lights, and WDR function to provide clear imaging in low-light conditions and balance exposure in high-contrast scenes.

WiFi Control
Smart APP control with WiFi, easy access

Easy to check live view, change dash cam setting, playback, edit videos and share Photos with HomeEye APP.

Image 5.3: Visual representation of the dash cam's super night vision performance.

5.4. Parking Monitor, G-sensor, and Loop Recording

- **Parking Monitor:** When enabled, the dash cam will automatically start recording if it detects motion or an impact while your vehicle is parked. For 24-hour parking monitoring, a hardwire kit (not included) is required to provide continuous power.
- **G-sensor:** The built-in G-sensor detects sudden acceleration, braking, or collisions. In such events, it automatically locks the current video file to prevent it from being overwritten by loop recording.
- **Loop Recording:** The dash cam records video in continuous loops. When the Micro SD card is full, the oldest unlocked video files are automatically overwritten to make space for new recordings. Locked files (triggered by the G-sensor or manual lock) are protected.

Super Night Vision

Built-in a upgraded sensor, infrared LED lights and WDR fuction, Dash Cam enhance the night vision recording in lowlight environment.



Image 5.4: Visual explanation of parking monitor, G-sensor, and loop recording functions.

6. MAINTENANCE

- **Clean the Lenses:** Regularly clean the front and rear camera lenses with a soft, lint-free cloth to ensure clear video quality.
- **Format SD Card:** It is recommended to format the Micro SD card monthly to maintain optimal performance and prevent data corruption. This can usually be done through the dash cam's settings menu.
- **Firmware Updates:** Check the manufacturer's website periodically for any available firmware updates to improve performance or add new features.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures for extended periods, as this can affect battery life and device functionality.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty power cable; car cigarette lighter socket issue.	Check power connection; try a different power source or cable; ensure car socket is working.
Recording stops or freezes.	SD card full or corrupted; incompatible SD card; firmware issue.	Format the SD card; use a Class 10 or higher SD card; update firmware.
Poor video quality.	Dirty lens; protective film still on lens; incorrect resolution settings.	Clean lenses; remove protective film; check video resolution settings.
Wi-Fi connection issues.	Incorrect Wi-Fi password; app not updated; interference.	Verify Wi-Fi password; update app; try connecting in a different location.
Parking monitor not working.	Not enabled; no continuous power supply (hardwire kit needed).	Enable parking monitor in settings; install a hardwire kit for 24/7 monitoring.

8. SPECIFICATIONS

Feature	Detail
Brand	POYBPCY
Model Name	Dash Cam 2.5K Front and Rear Camera
Video Resolution	Front: 2.5K (2560x1440p), Rear: 1080p (1920x1080p)
Frame Rate	2.5K @ 60fps, 1080p @ 30fps
Connectivity	Wi-Fi
Special Features	Super Night Vision, Parking Monitor, G-sensor, Loop Recording, WDR
Field of View	Front: 170 Degrees, Rear: 120 Degrees
Display	3-inch LCD
Storage	MicroSD card (32GB included, supports up to 128GB, Class 10 or higher)
Mounting Type	Dashboard Mount (Suction Cup)
Power Source	Car Cigarette Lighter (Lithium-ion battery for emergency power)

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This POYBPCY Dash Cam comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

Please retain your proof of purchase for warranty claims.

9.2. Customer Support

If you encounter any issues or have questions regarding your POYBPCY Dash Cam that are not covered in this manual, please contact our customer support team. Refer to the contact information provided on the product packaging or our official website.

When contacting support, please provide your product model and a detailed description of the issue to help us assist you more efficiently.