

AZDOME PG17

AZDOME PG17 WiFi Rear View Mirror Camera User Manual

Model: PG17

Brand: AZDOME

1. INTRODUCTION

Thank you for choosing the AZDOME PG17 WiFi Rear View Mirror Camera. This device is designed to enhance your driving safety and provide comprehensive recording capabilities. It features a 12-inch IPS touch screen, dual 2.5K front and 1080P rear cameras, built-in WiFi, GPS tracking, and various parking modes. Please read this manual thoroughly before operation to ensure proper usage and optimal performance.



Figure 1.1: AZDOME PG17 Mirror Dash Cam and included accessories.

2. KEY FEATURES

- **Built-in WiFi:** Allows real-time viewing, sharing, and downloading of videos via the AZDOME App.
- **12" IPS Touch Screen:** Full touch screen for clear viewing and easy operation. Supports simultaneous display of front and rear camera feeds on a split screen.
- **Dual Camera Recording:** 2.5K (2560x1440P) front camera and 1080P (1920x1080P) rear camera for high-definition recording of road details.
- **IP68 Waterproof Backup Camera:** Rear camera can be installed on the vehicle license plate, providing reliable recording in various weather conditions.
- **GPS Tracking:** AZDOME GPS Player allows viewing of speed, route, latitude, and longitude data for recorded videos, providing complete driving route data.
- **24H Parking Mode:** Offers two parking modes:
 - *Collision Detection:* G-sensor detects collisions and locks the video.
 - *Time-lapse:* Records continuously for 24 hours (requires separate 3-lead Hardwire Kit, ASIN: B096G6FKZP).
- **WDR Ultra Clear Night Vision:** Records excellent night scenes and clear road signs.

Four Display Modes

Front Camera View



Rear Camera View



Split Screen View



Normal Mirror



Figure 2.1: Visual representation of key features.

3. PACKAGE CONTENTS

The AZDOME PG17 package includes the following items:

- Rear View Mirror Camera
- Waterproof 1080P Rear Camera
- Car Charger (Mini USB/3.5m/12ft)
- External GPS Module
- Long Straps
- Short Straps
- AZDOME 64GB SD Card
- Pry Tool and Cable Clips
- Cleaning Cloths
- Pre-Moistened Lens Wipes
- User Manual
- Reflective Protective Film



Figure 3.1: All components included in the package.

4. SETUP GUIDE

4.1 Mounting the Mirror Dash Cam

1. Attach the provided rubber straps to the back of the mirror dash cam.
2. Securely fasten the mirror dash cam over your vehicle's existing rearview mirror using the straps. Ensure it is stable and does not obstruct your view.



Figure 4.1: Mounting the dash cam.

4.2 Connecting Cameras and GPS

3. Connect the rear camera cable to the AV-IN port on the mirror dash cam. Route the cable neatly along the vehicle's interior trim to the rear of the vehicle.
4. Install the rear camera (IP68 waterproof) on your vehicle's license plate area for optimal backup view.
5. Connect the External GPS Module to the GPS INTERFACE port on the mirror dash cam. Position the GPS module on your dashboard or windshield where it has a clear view of the sky.



Figure 4.2: Connection points on the dash cam.

4.3 Powering On and Initial Setup

6. Insert the provided 64GB SD card into the memory card slot. Ensure it is inserted correctly.
7. Connect the car charger to the Mini USB port on the dash cam and plug the other end into your vehicle's cigarette lighter socket.
8. Start your vehicle. The dash cam should power on automatically.
9. Upon first use, **please format the SD card** through the dash cam's settings menu to ensure proper functionality and recording.

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Video 4.1: Overview of AZDOME Rear View Mirror Dash Cam features and basic setup.

It is recommended to hide cables along the vehicle's trim for a clean installation. Use the provided pry tool and cable clips.



Figure 4.3: Recommended cable routing for installation.

5. OPERATING INSTRUCTIONS

5.1 Touch Screen Operation

The 12-inch IPS touch screen allows for intuitive control. Swipe left/right to switch between front, rear, and split-screen views. Tap icons on the screen to access various functions and settings.

12" Full Touch Screen

Field of view can be adjusted up and down.

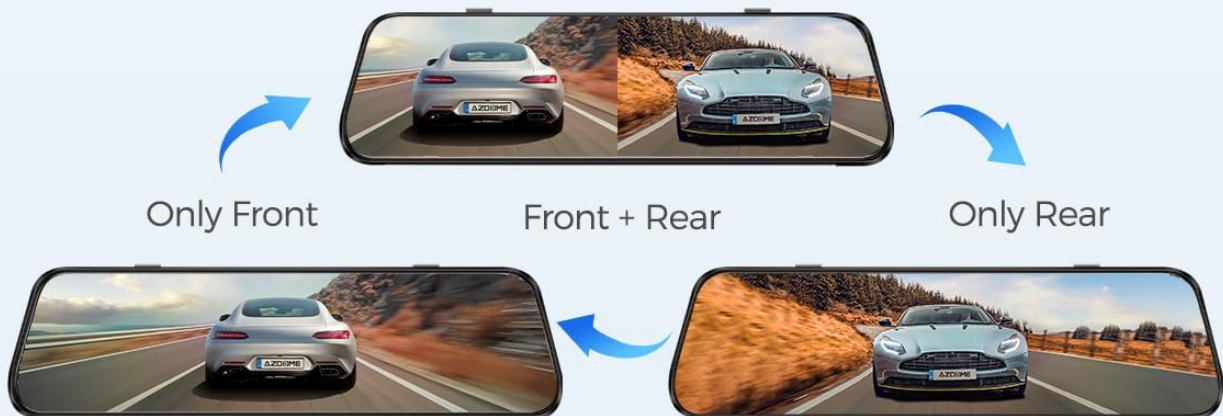


Figure 5.1: Touch screen view adjustment.

5.2 Recording Modes

- **Loop Recording:** The dash cam continuously records video in segments. When the memory card is full, it automatically overwrites the oldest unlocked video files.
- **24H Parking Mode:**
 - *Collision Detection:* The built-in G-sensor detects sudden shakes or collisions and automatically records and locks the footage.
 - *Time-Lapse Recording:* Records continuously at a low frame rate for 24 hours, providing full-day surveillance (requires optional hardwire kit).



Figure 5.2: Parking mode options.

5.3 WiFi Connectivity & App Usage

The built-in WiFi allows you to connect your smartphone to the dash cam via the AZDOME App. Through the app, you can:

- View live footage.
- Playback recorded videos.
- Download video files directly to your phone.
- Share videos easily.

Built-in WiFi



Live View



Replay



Share



Download



Figure 5.3: WiFi connectivity and app functions.

5.4 GPS Tracking

The external GPS module records your driving route, speed, and coordinates. This data can be viewed using the AZDOME App or the dedicated AZDOME GPS Player software on your computer.

24 Hours Parking Mode

Requires a 3-lead Hardwire Kit with an output current of 2.5A, search ASIN: B096G6FKZP.



Collision Detection Parking Mode



Time-Lapse Parking Mode



Continuously Record at 1fps



Figure 5.4: GPS tracking visualization.

5.5 Parking Assistance System

When reversing, the rear camera feed is displayed on the full screen with parking assist lines, aiding in safe parking maneuvers.

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Video 5.1: Demonstration of AZDOME PG17 Mirror Dash Cam Backup Camera functionality.

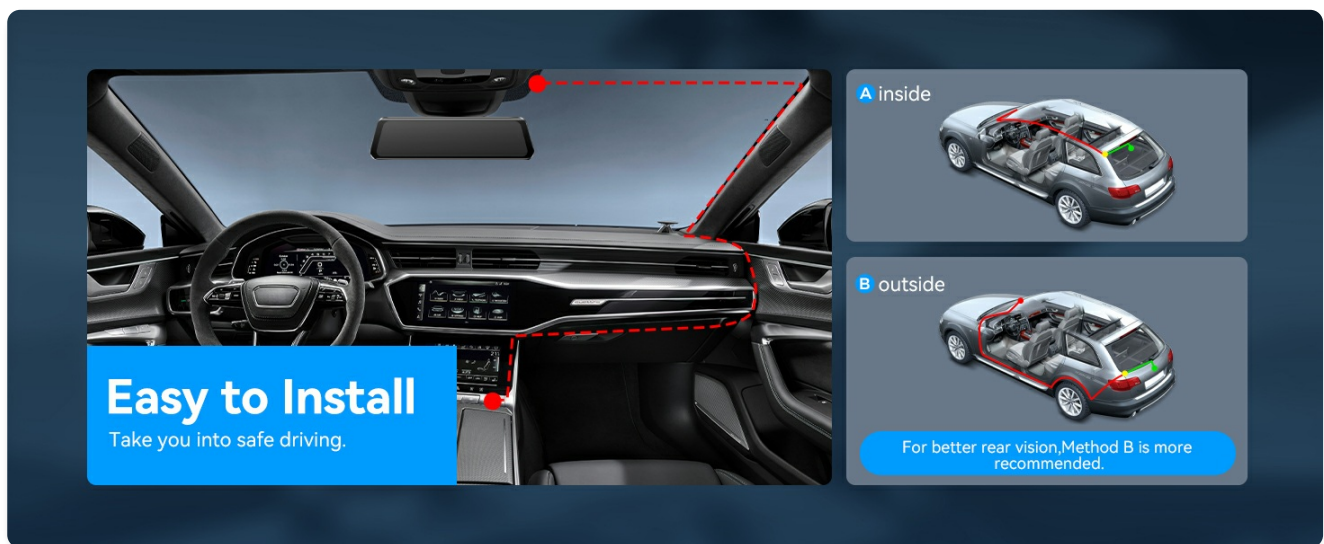


Figure 5.5: Parking assistance view.

5.6 Night Vision

The WDR (Wide Dynamic Range) technology ensures clear video recording even in low-light conditions, enhancing visibility during night driving.

GPS Tracking

Rear view mirror dash cam with GPS modul to get more driving route data. GPS data could be viewed by AZDOME APP or AZDOME GPS Player.

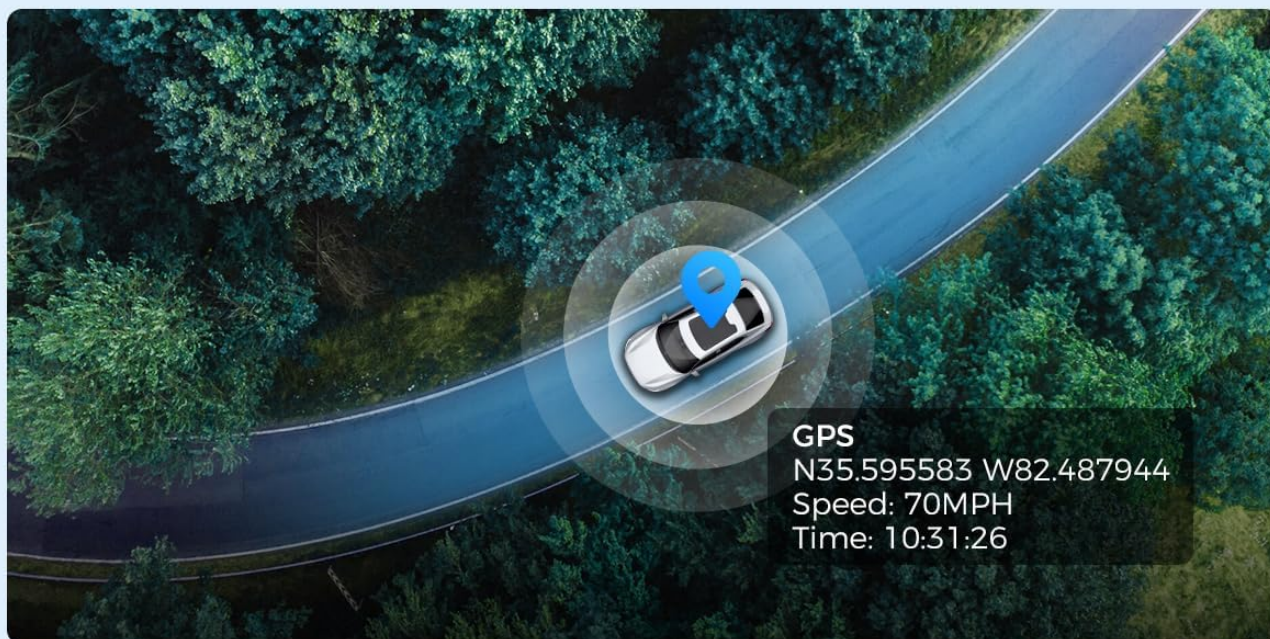


Figure 5.6: Night vision clarity.

6. MAINTENANCE

- **Cleaning:** Use the provided cleaning cloths and lens wipes to keep the screen and camera lenses free from dust and smudges.
- **SD Card:** Regularly format the SD card (at least once a month) to prevent data corruption and ensure smooth

recording. Replace the SD card if it shows signs of degradation or errors.

- **Firmware Updates:** Check the official AZDOME website for any available firmware updates to ensure optimal performance and new features.

7. TROUBLESHOOTING

7.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Dash cam does not power on.	Loose power connection, faulty charger, vehicle power issue.	Check car charger connection. Ensure vehicle's cigarette lighter socket is working. Try a different charger if available.
Recording stops or freezes.	SD card full/corrupted, low-quality SD card, overheating.	Format the SD card. Use a high-speed (Class 10 or U3) SD card. Ensure proper ventilation.
Touch screen unresponsive.	Software glitch, screen protector issue.	Restart the dash cam. Remove and reapply the reflective protective film.
GPS signal not found.	GPS module obstructed, faulty module.	Ensure GPS module has a clear view of the sky. Check connection.
Rear camera not displaying.	Loose cable connection, faulty camera.	Check rear camera cable connection to the AV-IN port.

8. SPECIFICATIONS

- **Product Dimensions:** 11.81 x 0.71 x 2.83 inches
- **Item Weight:** 2.33 pounds
- **Item Model Number:** AZDOME Rear View Mirror Dash Cam PG17
- **Video Capture Resolution:** 2.5K Front + 1080P Rear
- **Display:** 12" IPS Touch Screen
- **Connectivity Technology:** USB, Built-in WiFi
- **Special Features:** G-Sensor, Parking Monitor, App Control, Touch Screen, GPS
- **Power Source:** Car Charger (1 Lithium Polymer battery included)
- **Manufacturer:** AZDOME
- **Country of Origin:** China

9. WARRANTY AND SUPPORT

AZDOME PG17 provides a **12-month warranty** and **24/7 technical support**. If you encounter any problems with the product or require after-sales service, please email AZDOME's support team. The R&D team aims to provide feedback within 24 working hours.

For further assistance, please refer to the contact information provided in your product packaging or visit the official AZDOME website.