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› AZDOME PG19X 12" 4K WiFi Rear View Mirror Dash Cam User Manual

AZDOME AZDOME PG19X

AZDOME PG19X 12" 4K WiFi Rear View Mirror Dash Cam User Manual

Model: AZDOME PG19X

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your AZDOME PG19X 12" 4K WiFi Rear View Mirror Dash Cam. Please read this manual thoroughly before using the product to ensure proper functionality and safety. The AZDOME PG19X is designed to be your reliable driving companion, offering high-resolution recording for both front and rear views, advanced features like GPS tracking, WiFi connectivity, and comprehensive parking monitoring.

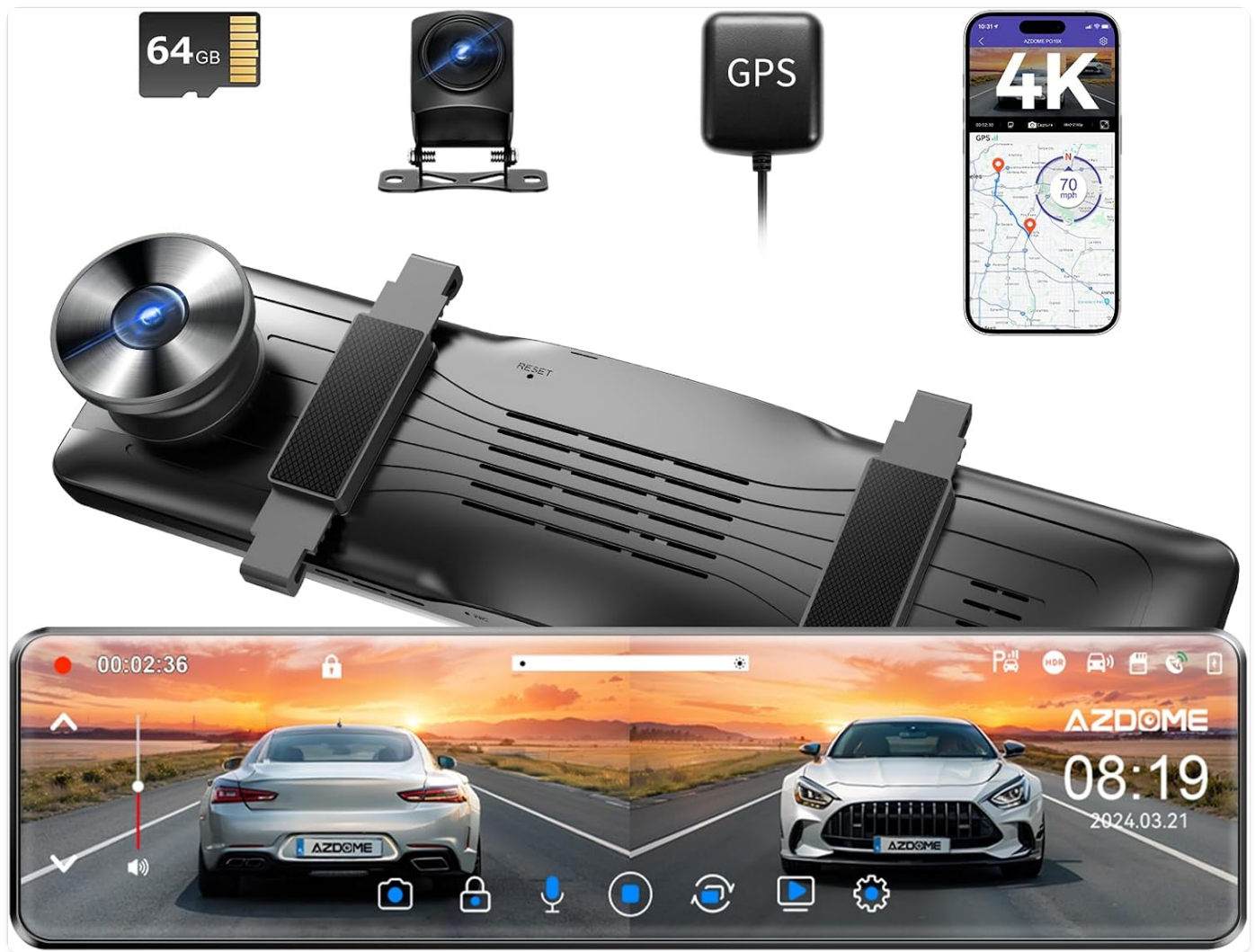


Figure 1.1: AZDOME PG19X Mirror Dash Cam and its primary components.

2. What's in the Box

Please check the contents of your package against the list below:

- 1 x AZDOME 4K Mirror Dash Cam with 5G WiFi (PG19X)
- 1 x Rear Camera (6M Cable)
- 1 x Car Charger (3.5M Cable)
- 1 x GPS Receiver
- 1 x Pry Tool
- 5 x Cable Clamps
- 4 x Rubber Straps / Fasteners
- 1 x Cleaning Cloth
- 1 x Anti-Glare Screen Film
- 1 x 64 GB microSD card
- 1 x User Manual (this document)

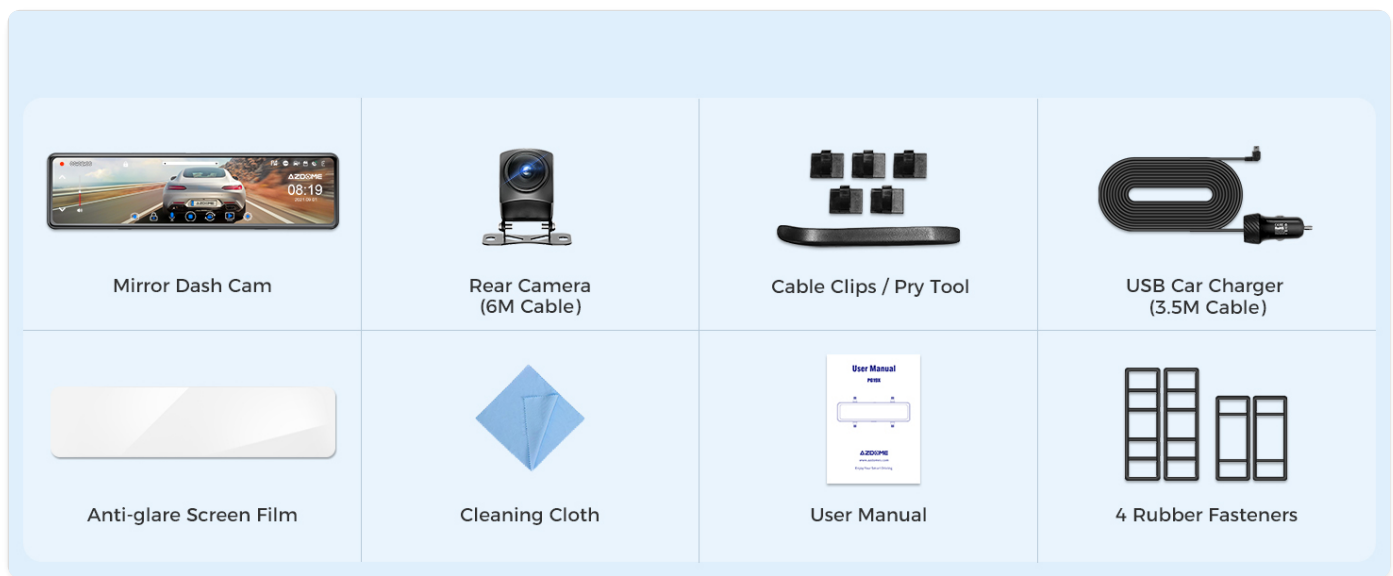


Figure 2.1: All included accessories and main unit.

3. SETUP GUIDE

Follow these steps for a successful installation of your AZDOME PG19X dash cam.

3.1 Initial Setup

1. **Insert SD Card:** Insert the provided 64GB microSD card into the dash cam's SD card slot. Ensure it clicks into place. A genuine U3 high-speed Micro SD Card is recommended for optimal performance.
2. **Format SD Card:** It is recommended to format the SD card within the dash cam before first use. This can typically be done through the device's settings menu.

3.2 Mounting the Mirror Camera

The mirror dash cam is designed to attach directly over your existing rearview mirror using the provided rubber straps.

3. **Attach Straps:** Secure the rubber straps around your vehicle's original rearview mirror and the dash cam. Ensure the dash cam is firmly attached and centered for optimal view.
4. **Adjust Lens:** The front camera lens is retractable and adjustable. Position it to capture the desired front view, avoiding obstruction from your vehicle's original mirror.

3.3 Connecting Power

Connect the dash cam to your vehicle's power source using the provided car charger cable.

5. **Insert Type-C Cable:** Plug the Type-C end of the car charger cable into the dash cam.
6. **Route Cable:** Carefully route the power cable along the top edge of the windshield, down the A-pillar, and towards your vehicle's cigarette lighter socket. Use the provided cable clamps to secure the cable and hide it for a neat installation.
7. **Connect Car Charger:** Plug the car charger into your vehicle's 12V cigarette lighter socket.

3.4 GPS Module Installation

The GPS module enables speed and route tracking for your recordings.

8. **Insert GPS Module:** Plug the GPS module into the designated port on the dash cam.
9. **Mount GPS Module:** Secure the GPS module on your dashboard or windshield where it has a clear view of the sky for optimal reception. Route its cable neatly.

3.5 Rear Camera Installation

The waterproof rear camera provides a clear view of the area behind your vehicle.

10. **Connect Rear Camera:** Plug the rear camera cable into the dash cam.
11. **Route Rear Camera Cable:** Route the rear camera cable from the main unit, along the headliner, down the side pillars, and to the rear of the vehicle. The cable can be hidden under the trim for a clean look.
12. **Mount Rear Camera:** The rear camera can be installed either inside the rear window or outside near the license plate. Use the provided adhesive and/or screws for secure mounting. For reverse assist functionality, connect the red wire of the rear camera cable to your vehicle's reverse light positive wire.

Video 3.1: Detailed Installation Guide for AZDOME PG19X Rear View Mirror Dash Cam. This video demonstrates the step-by-step process of installing the dash cam, including mounting, cable routing, and connecting the rear camera.

Easy to Install

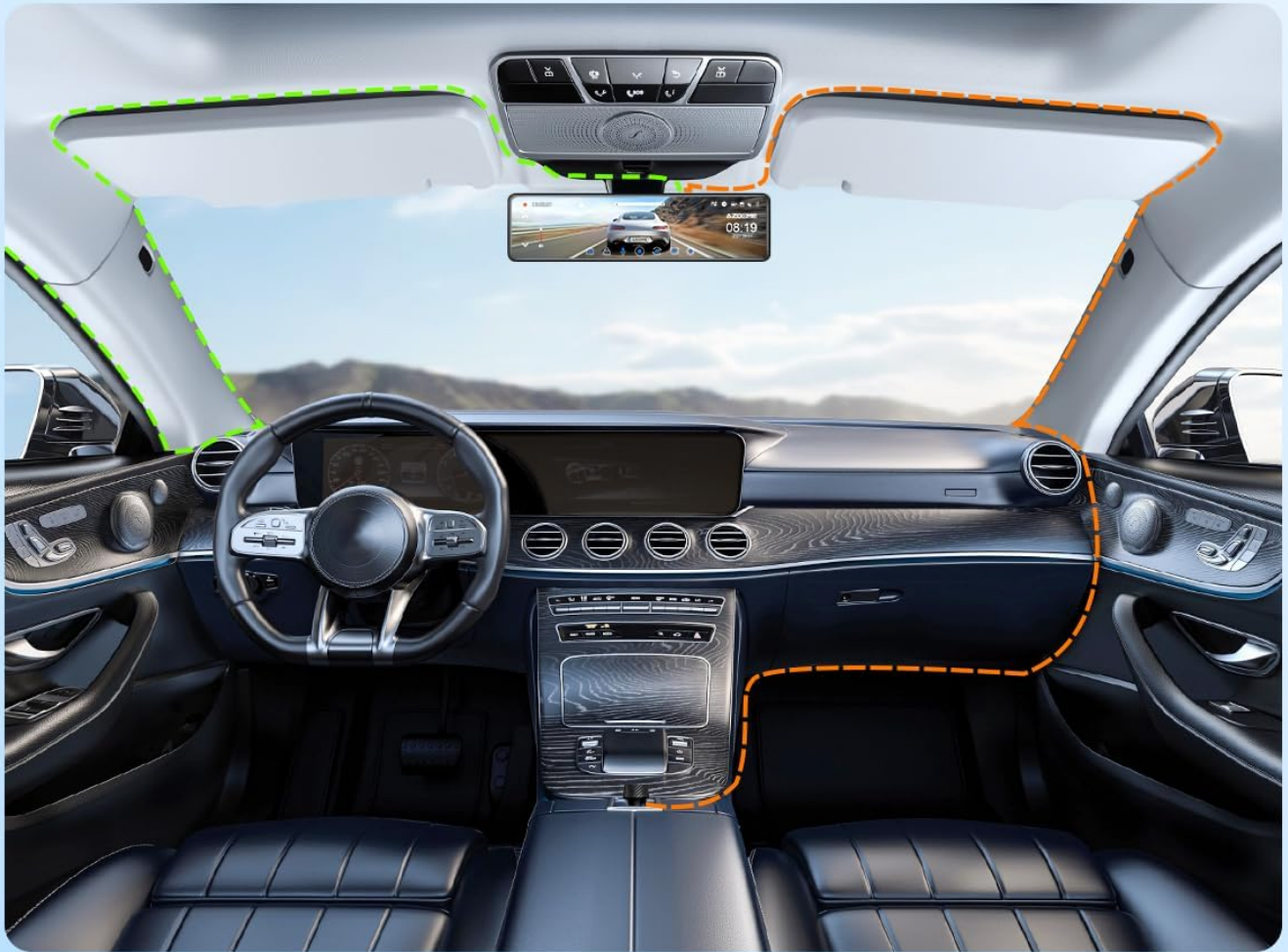


Figure 3.1: Visual guide for easy installation and cable management.

Easy to Install

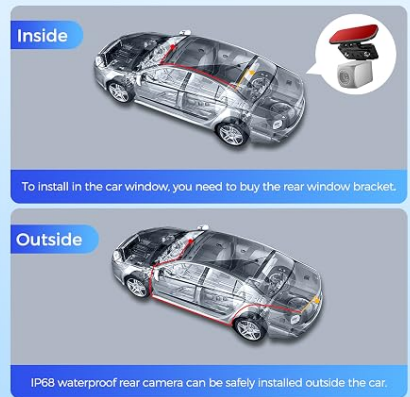


Figure 3.2: Rear camera installation options: inside the car or outside near the license plate.

4. OPERATING INSTRUCTIONS

Your AZDOME PG19X dash cam features a user-friendly 12-inch touch screen for easy operation.

4.1 Touch Screen Operation

The 12-inch IPS touch screen allows for intuitive control and viewing. Swipe gestures enable switching between front, rear, and split-screen views.

- **Swipe Left/Right:** Switch between front camera view, rear camera view, or split-screen display (front + rear).
- **Tap Icons:** Access various functions such as video playback, locking current recording, microphone on/off, and settings.

12" Touch Screen

Multiple camera transitions. More convenient to use.



Figure 4.1: Touch screen interface for camera view transitions.

12" Touch Screen

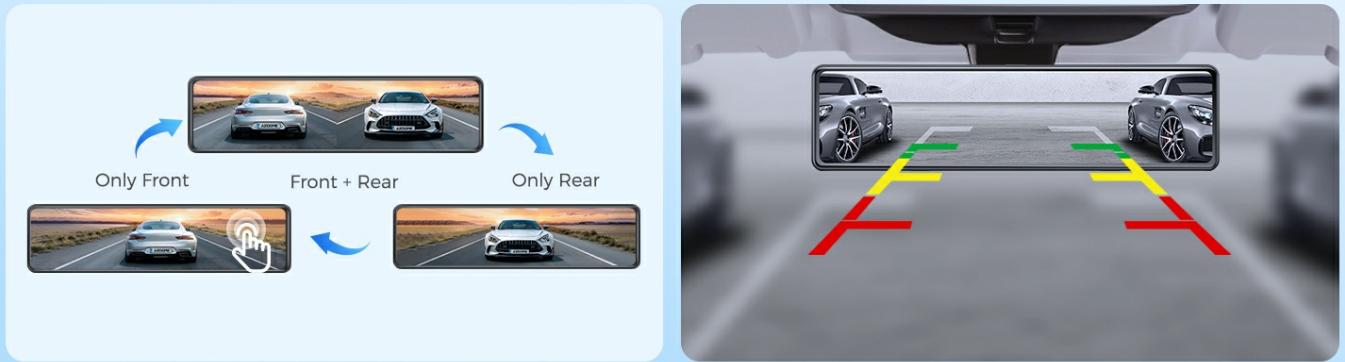


Figure 4.2: The 12-inch touch screen provides a clear view for driving and parking assistance.

4.2 Video Resolution and Quality

The dash cam records in high resolution to capture critical details.

- **Front Camera:** Records in 4K resolution.
- **Front and Rear Recording:** Records simultaneously in 4K (front) + 1080P (rear).
- **WDR Night Vision:** Wide Dynamic Range (WDR) technology enhances video clarity in low-light conditions, ensuring clear recordings at night.

Front and Rear Dash Cam

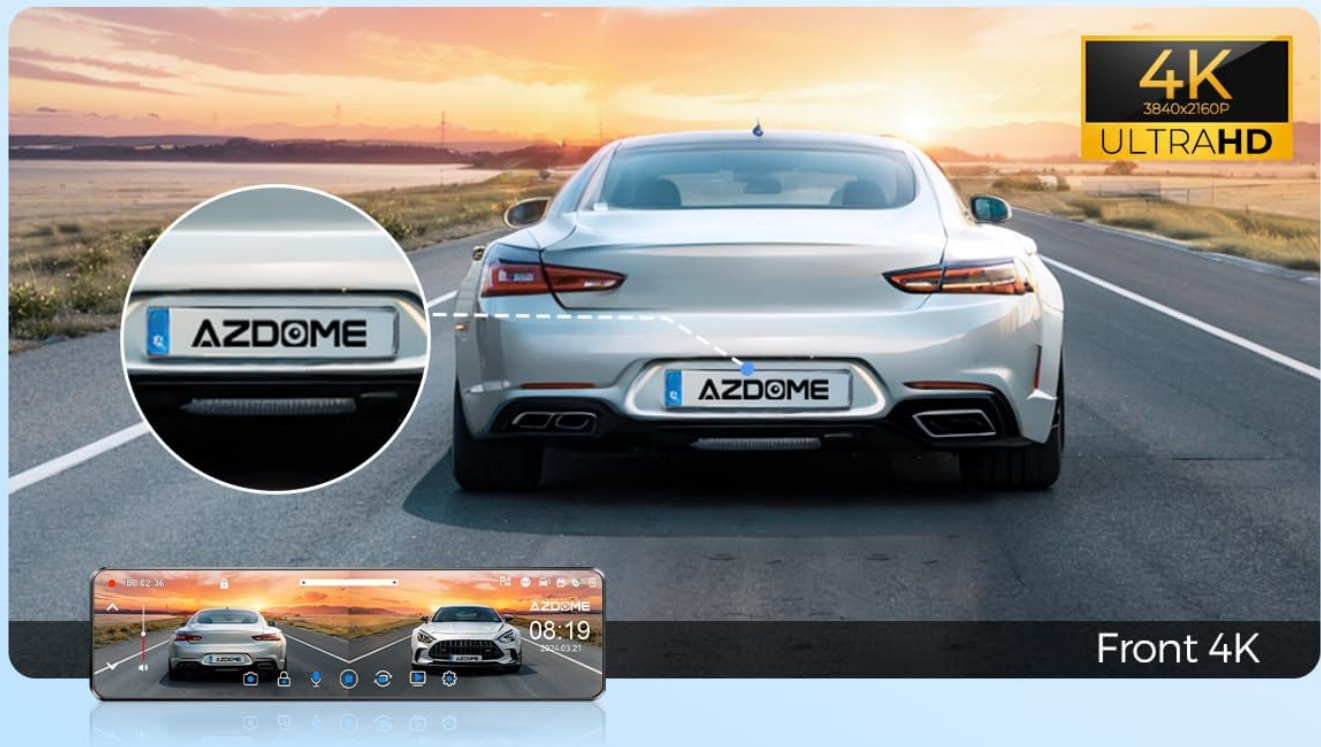


Figure 4.3: High-resolution capture for both front and rear views.

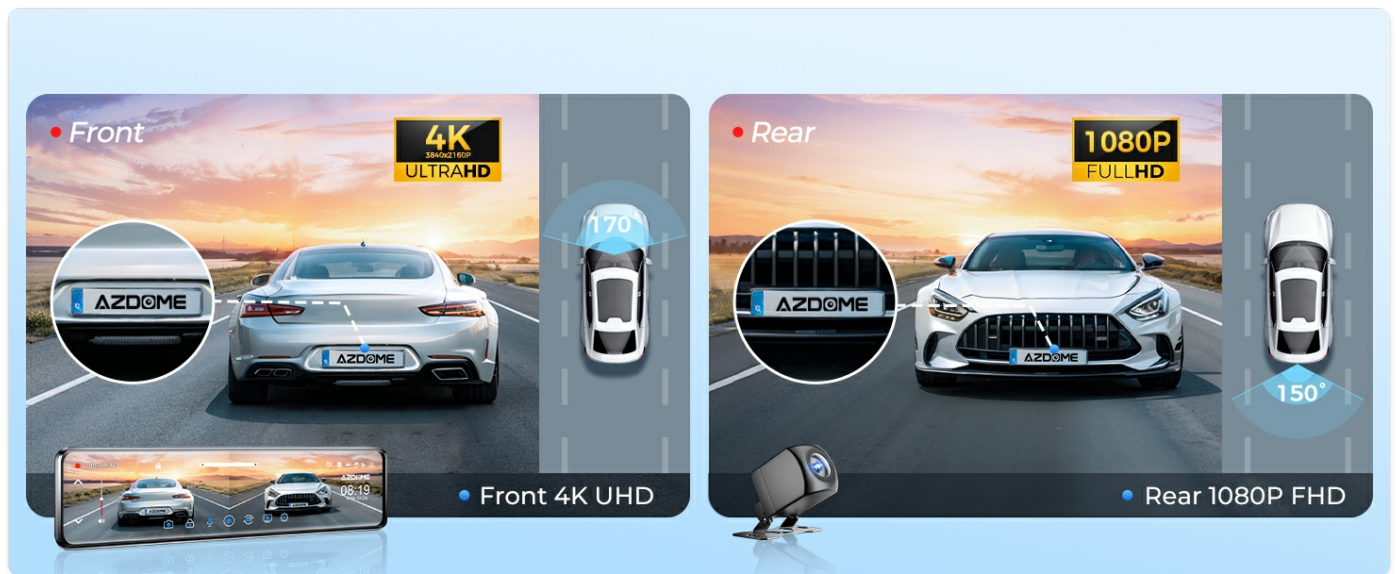


Figure 4.4: Wide-angle coverage of 170° for the front and 150° for the rear camera.

WDR Ultra Clear Night Vision

Record Excellent night scenes and clear road signs.

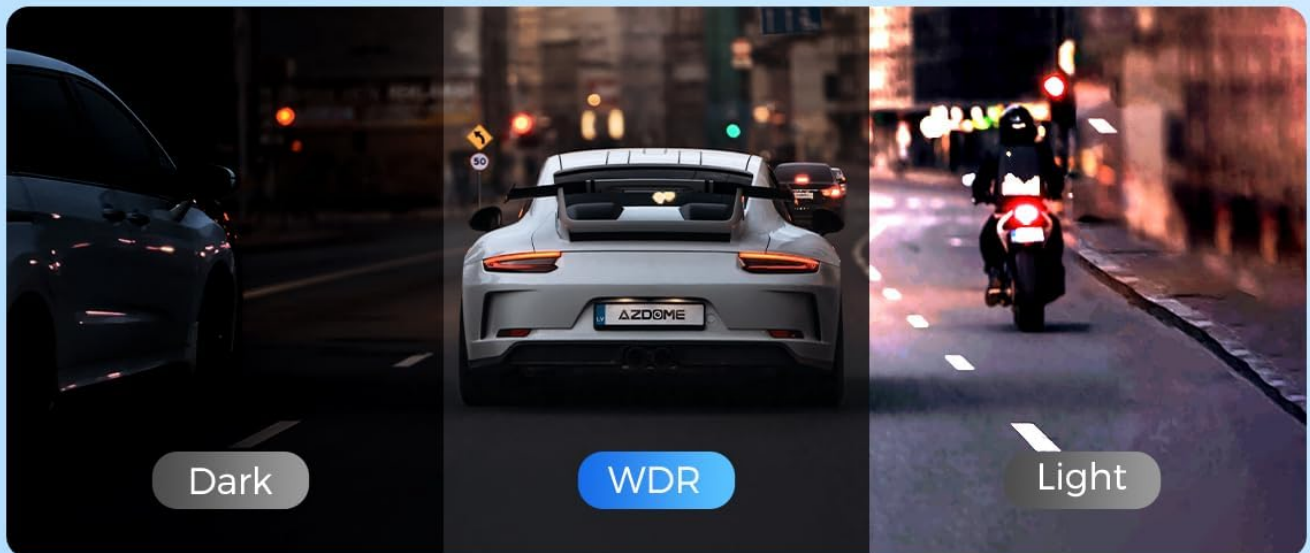


Figure 4.5: WDR Ultra Clear Night Vision for enhanced visibility in challenging light.

WDR Ultra Clear Night Vision

Record Excellent night scenes and clear road signs.

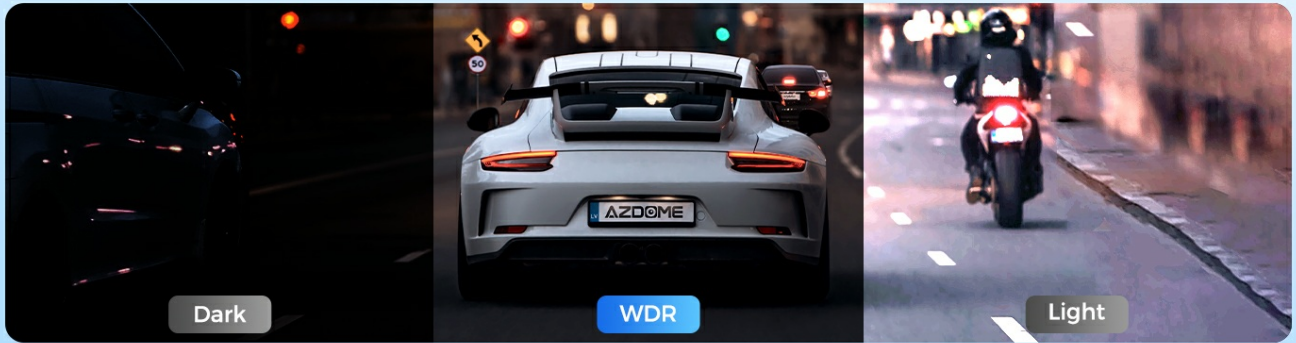


Figure 4.6: WDR ensures clear recordings even in low-light environments.

4.3 WiFi Connectivity (AZDOME App)

The built-in WiFi allows for seamless connection to the AZDOME App on your smartphone.

- **Real-time View:** Stream live video from the dash cam to your phone.
- **Playback & Download:** Review recorded videos and download important footage directly to your device.
- **Settings Control:** Adjust all dash cam settings conveniently from the app.

Built-in WiFi

Connect to the free AZDOME APP using the built-in WiFi to easily view, download, and share your videos.



Live View



Replay



Share



Download



Figure 4.7: Connect to the AZDOME App via built-in WiFi for easy video management.



Figure 4.8: High-speed WiFi transmission for quick downloads and sharing.

APP WiFi Connection Guide for PG19X

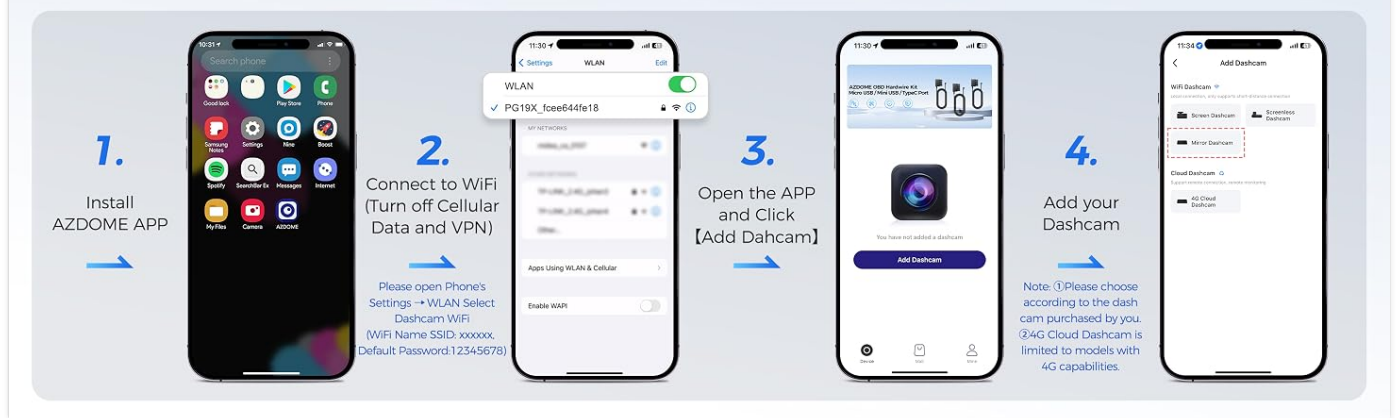


Figure 4.9: APP WiFi Connection Guide for PG19X (Part 1).

APP WiFi Connection Guide for PG19X

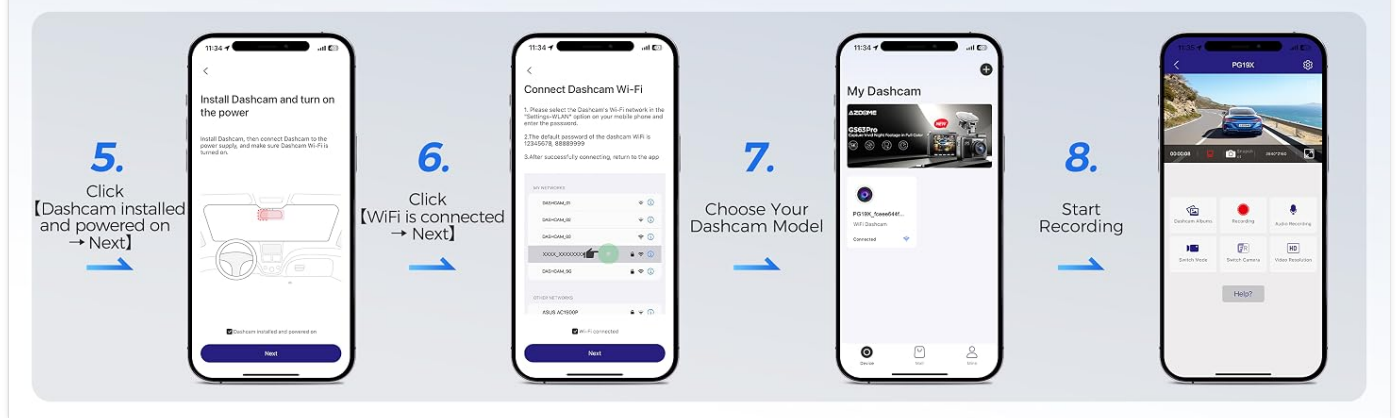


Figure 4.10: APP WiFi Connection Guide for PG19X (Part 2).

4.4 GPS Tracking

The integrated GPS module records your vehicle's location, speed, and driving route.

- **GPS Player:** Use the AZDOME GPS Player software (available for Windows and Mac) to view your driving data synchronized with the video footage.

GPS Tracking

Records the vehicle's location and speed data, allowing for accurate tracking and playback of the car's route and movement.

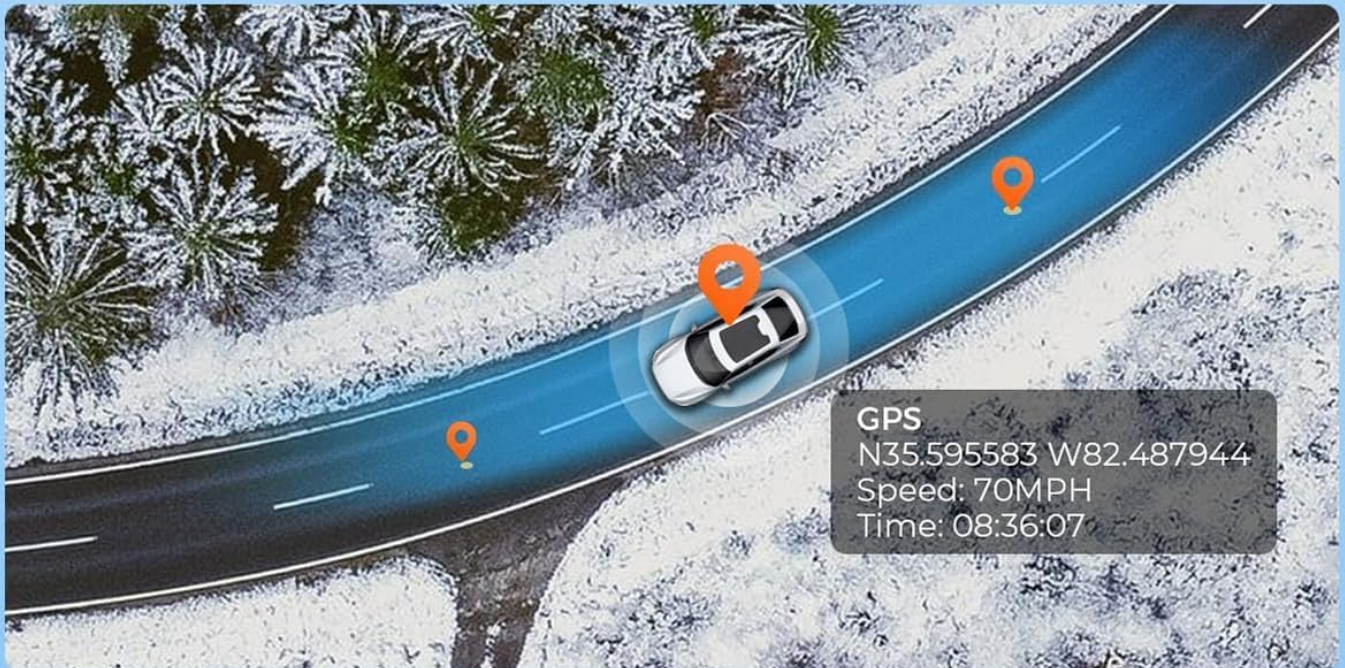


Figure 4.11: GPS Tracking records location and speed data.

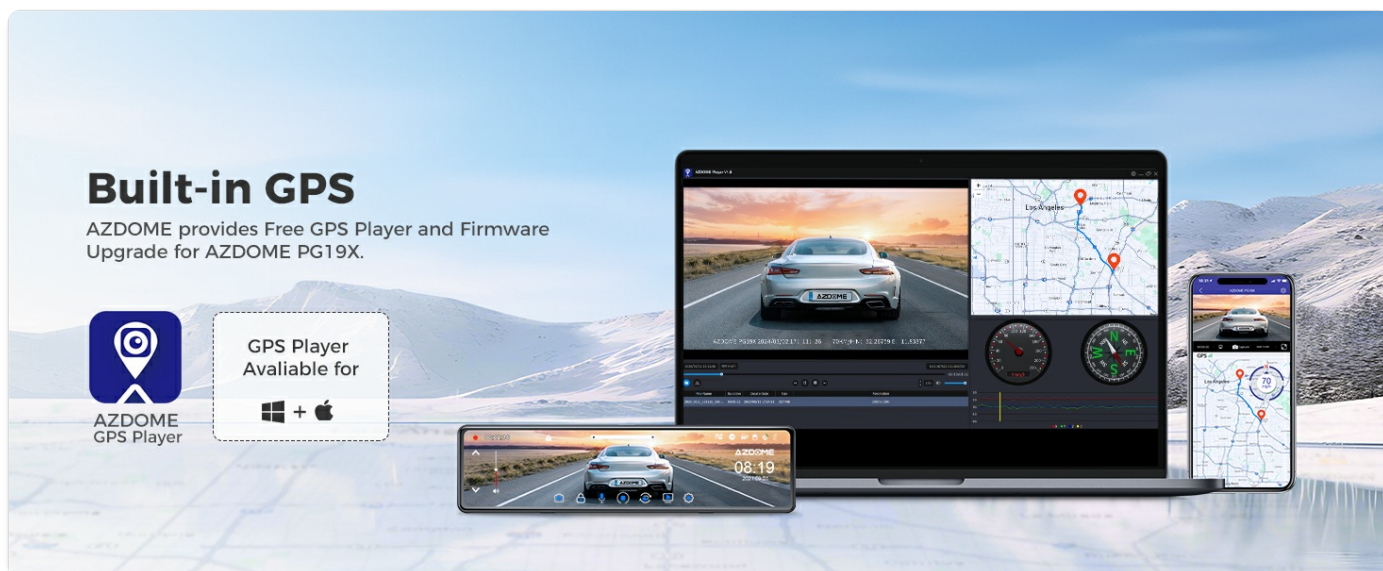


Figure 4.12: Built-in GPS provides detailed driving route data.

4.5 Loop Recording

The loop recording feature ensures continuous recording by overwriting the oldest unlocked video files when the SD card is full.

- **Adjust Loop Recording Time:** You can set the duration of each video segment (e.g., 1, 3, or 5 minutes) in the settings.



Figure 4.13: Loop Recording ensures continuous video capture.

4.6 Parking Monitor Modes

The dash cam offers two modes for 24-hour parking monitoring (requires a 3-lead Hardwire Kit, ASIN: B0BM9JL327).

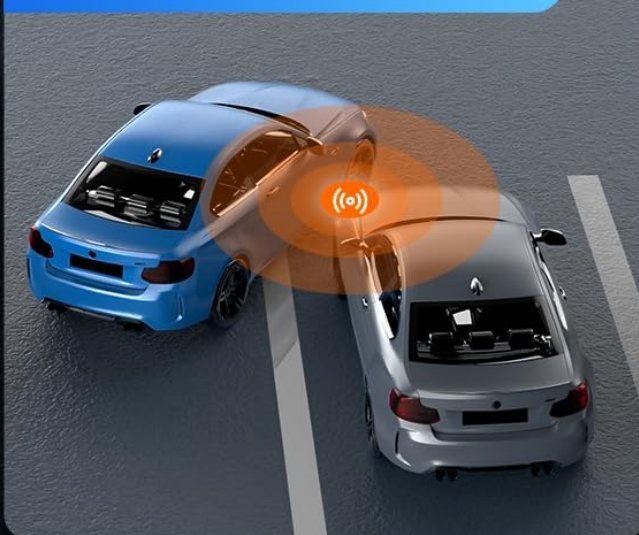
- **Collision Detection Parking Mode (G-sensor):** The built-in G-sensor detects sudden impacts or collisions and automatically locks the current video file to prevent it from being overwritten.
- **Time-Lapse Parking Mode:** Records continuously at a low frame rate (e.g., 1fps) to save storage space while providing a comprehensive overview of events during parking.

24 Hours Parking Mode

Requires a 3-lead Hardwire Kit with an output current of 2.5A,
search ASIN: B0BM9JL327.



Collision Detection Parking Mode



Time-Lapse Parking Mode



Continuously Record at 1fps

Time-lapse Mode 24h

Normal Recording 48mins

Figure 4.14: Two modes for 24-hour parking monitoring.

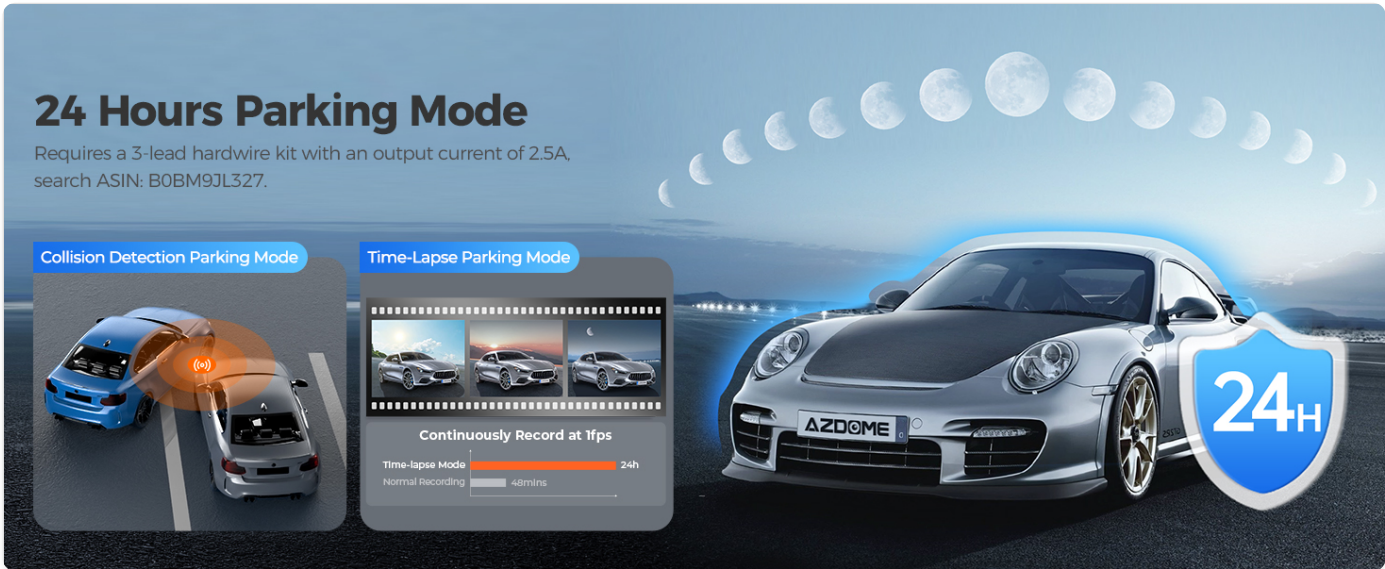


Figure 4.15: Comprehensive 24-hour parking surveillance.

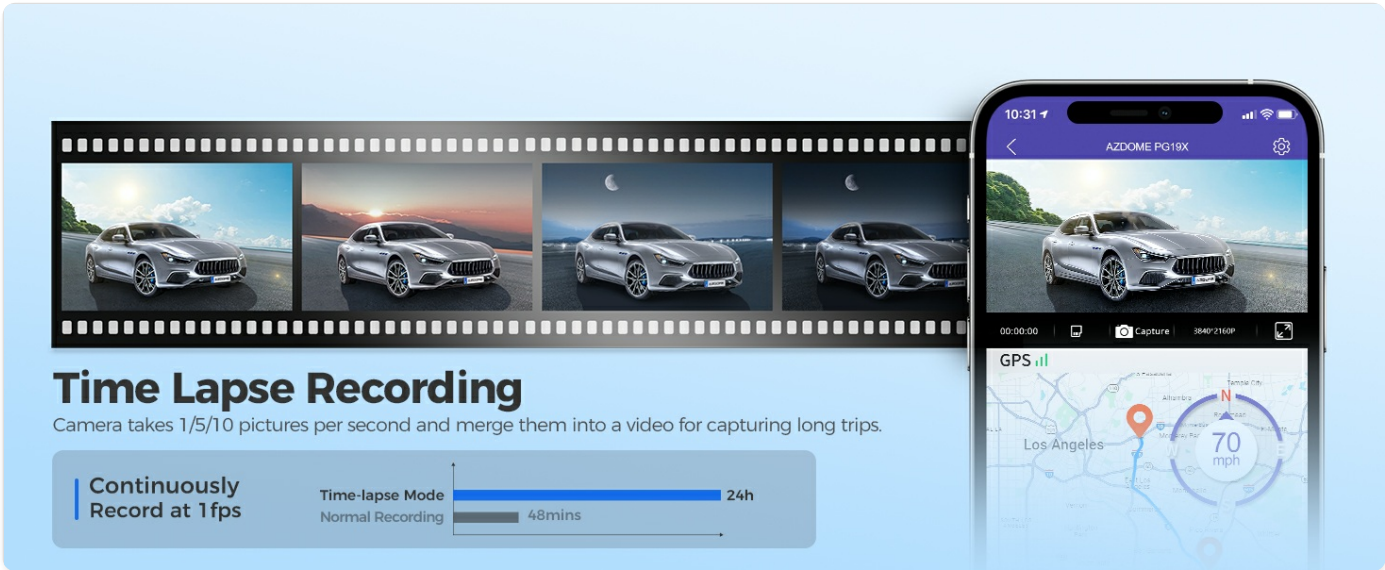


Figure 4.16: Time Lapse Recording for extended parking monitoring.

Emergency Lock

Auto lock and save the accident video when a collision detected.



Figure 4.17: Emergency Lock feature for accident video protection.

Video 4.1: AZDOME 4K 5G WiFi Rear View Mirror Dash Cam Front and Rear. This video provides an overview of the dash cam's key features and capabilities, including its 4K resolution, WiFi, GPS, and touch screen.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your dash cam.

- **Regular Cleaning:** Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the screen and lens. Avoid using abrasive cleaners or solvents.
- **SD Card Formatting:** Format the microSD card regularly (e.g., once a month) to prevent data corruption and ensure smooth recording. Back up any important files before formatting.
- **Firmware Updates:** Check the AZDOME official website for any available firmware updates. Keeping your firmware updated can improve performance and add new features.
- **Temperature Control:** Avoid exposing the dash cam to extreme temperatures for prolonged periods, as this can affect battery life and internal components.

6. TROUBLESHOOTING

If you encounter any issues with your AZDOME PG19X, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; loose connection; faulty car charger.	Check car charger connection; ensure vehicle's 12V socket is working; try a different power source if available.
Video recording stops unexpectedly.	SD card full; slow SD card; SD card error.	Format the SD card; use a genuine U3 high-speed microSD card; replace the SD card if necessary.
Rear camera not displaying.	Loose connection; damaged cable/camera.	Check the rear camera cable connection to the main unit; ensure the cable is not pinched or damaged.
GPS signal not found.	GPS module obstructed; poor satellite reception.	Ensure GPS module has a clear view of the sky; move the module to a different location on the dashboard.
WiFi connection issues.	Incorrect password; app issues.	Verify WiFi password; restart both dash cam and smartphone; reinstall AZDOME App.

If the problem persists after trying these solutions, please contact AZDOME technical support.

7. SPECIFICATIONS

Feature	Detail
Model Name	AZDOME PG19X
Product Dimensions	9.78 x 2.34 x 3.48 inches
Item Weight	2.31 pounds
Front Camera Resolution	4K
Rear Camera Resolution	1080P
Display	12 Inch Touch Screen
Connectivity Technology	Wi-Fi
Special Features	Built-In WiFi, G-Sensor, Night Vision (WDR), Parking Monitor, Built-In GPS

Feature	Detail
Included Components	AZDOME 4K Mirror Dash Cam with 5G WiFi, Car Charger, Installation Tool, User Manual
Mounting Type	Windshield Mount
Color	Black-4K UHD

8. WARRANTY AND SUPPORT

AZDOME PG19X comes with a 12-month assurance period. For any technical issues or after-sales service inquiries, please contact AZDOME's technical support team. Our R&D team is committed to responding within 24 hours on working days.

Contact Information: Please refer to the contact details provided in the 'Owner's Manual' included in your product package or visit the official AZDOME website for support.

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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

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