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> AZDOME PG16S-3CH 2K Mirror Dash Cam User Manual

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Model: PG16S-3CH

1. INTRODUCTION

Thank you for choosing the AZDOME PG16S-3CH 2K Mirror Dash Cam. This manual provides detailed instructions for the installation, operation, and maintenance of your new dash camera system. Please read this manual thoroughly before use to ensure proper functionality and to maximize your driving safety.



Image: The AZDOME PG16S-3CH Mirror Dash Cam, featuring its main unit, external GPS module, and included 64GB SD card. The display shows a live view from the front, interior, and rear cameras simultaneously.

2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- AZDOME PG16S-3CH Mirror Dash Cam Unit
- Rear Camera with Extension Cable
- Interior Camera
- GPS Module
- Car Charger (Power Cable)
- 64GB MicroSD Card
- Mounting Straps/Bands for Mirror
- User Manual (this document)

Note: Additional accessories such as a hardwire kit for 24H parking monitoring are sold separately.

3. PRODUCT OVERVIEW

3.1 Key Features

- **3-Channel Recording:** Simultaneous recording from Front (2K), Interior (1080P), and Rear (1080P) cameras.
- **12-inch Full Touch Screen:** Intuitive interface for easy navigation and settings adjustment.
- **GPS Tracking:** Records driving route, location, and speed, viewable via AZDOME GPS player.
- **Super Night Vision:** Enhanced low-light performance with WDR (Wide Dynamic Range) technology for clear recordings day and night.
- **Reliable Parking Assist:** Automatic display of rear image with adjustable guidelines for safe parking.
- **G-Sensor:** Automatically locks and saves video footage upon detecting a collision.
- **24H Parking Monitor:** Requires a hardwire kit (sold separately) to enable continuous monitoring when parked.
- **Seamless Loop Recording:** Overwrites the oldest unlocked footage when the memory card is full.
- **Supports up to 256GB MicroSD Card:** Comes with a 64GB card included.



Image: Visual representation of the 3-channel recording system, highlighting the front (2K), interior (1080P), and rear (1080P) cameras and their respective fields of view.

3CH Mirror Dashcam Recording



Image: An example of the 3-channel display on the mirror dash cam, illustrating the simultaneous recording from front, interior, and rear perspectives.

4. SETUP AND INSTALLATION

4.1 Inserting the MicroSD Card

Before first use, insert the provided 64GB MicroSD card into the dash cam. Ensure the card is inserted correctly with the contacts facing the screen. It is recommended to format the SD card within the dash cam's settings upon first use and monthly thereafter for optimal performance.



Image: Proper insertion of the MicroSD card into the dash cam slot.

4.2 Mounting the Mirror Dash Cam

1. Attach the mirror dash cam to your vehicle's existing rearview mirror using the provided rubber straps/bands. Ensure it is securely fastened and does not obstruct your view.
2. Adjust the angle of the front camera lens to capture the desired view of the road ahead.

4.3 Installing the Rear Camera

1. Mount the rear camera on the rear windshield or license plate area. For external mounting, ensure it is waterproof.
2. Route the rear camera cable to the main mirror dash cam unit. Conceal the cable along the vehicle's headliner and A-pillars for a neat installation.
3. Connect the rear camera cable to the designated port on the main unit.

4.4 Installing the Interior Camera

The interior camera is typically integrated into the main mirror unit or connected via a short cable. Ensure its lens is clear and positioned to capture the cabin interior.

4.5 Connecting the GPS Module

Connect the GPS module to the dedicated GPS port on the main mirror dash cam unit. Position the GPS module on the dashboard or windshield where it has a clear view of the sky for optimal signal reception.

GPS Tracking

Allows for track your route, location, and speed of three channel simultaneously via AZDOME GPS player



Live Speed Display

Watch your recordings on our Free AZDOME APP or AZDOME GPS player.

Image: The GPS tracking feature in action, showing route, location, and speed data on the AZDOME GPS player.

4.6 Power Connection

Connect the provided car charger to the dash cam's power input port and plug the other end into your vehicle's 12V power outlet (cigarette lighter socket). The dash cam will automatically power on and begin recording when the vehicle starts.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

- **Power On/Off:** The device powers on automatically with vehicle ignition. To manually power on/off, press and hold the power button.
- **Recording:** Recording starts automatically when the device is powered on. A flashing indicator usually signifies active recording.
- **Screen On/Off:** Tap the screen to turn it on. The screen can be set to automatically turn off after a set period to function as a normal rearview mirror.

Split Screen

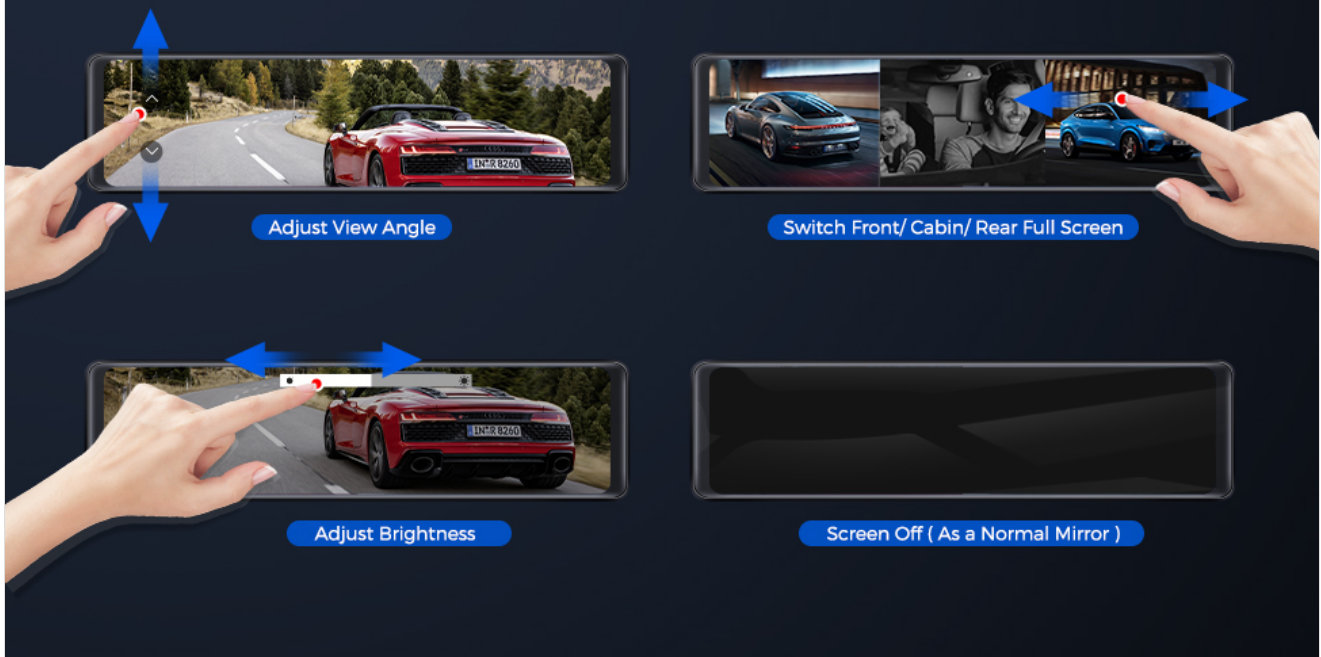


Image: Demonstrates the touch screen controls for adjusting view angle, switching camera views, adjusting brightness, and turning the screen off to use as a traditional mirror.

5.2 Touch Screen Interface

The 12-inch full touch screen allows for easy control:

- **Swipe Left/Right:** Switch between different camera views (Front, Interior, Rear, Split views).
- **Swipe Up/Down on Left Side:** Adjust the vertical viewing angle of the selected camera.
- **Swipe Up/Down on Right Side:** Adjust screen brightness.
- **Tap Icons:** Access settings, playback, lock video, and other functions.

12 INCH Split Screen Display

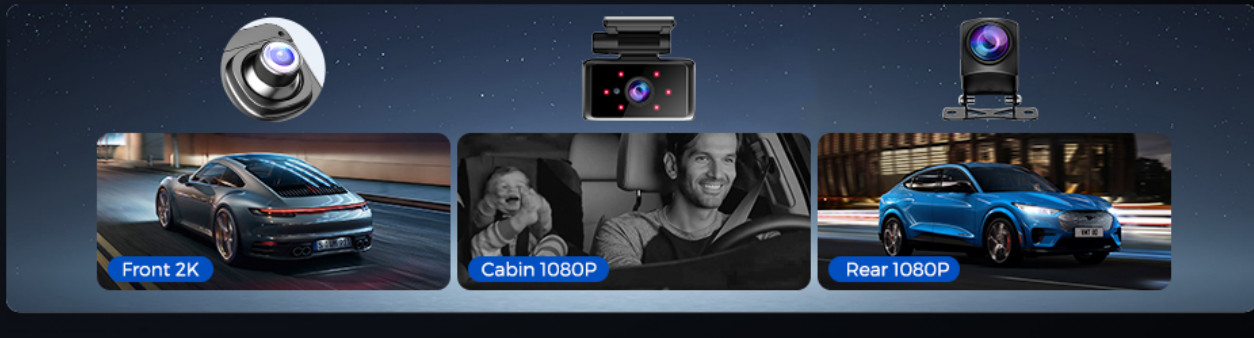


Image: The 12-inch display showcasing the split-screen capability, allowing simultaneous viewing of front, cabin, and rear camera feeds.

5.3 Advanced Features

- **G-Sensor:** When a sudden impact or collision is detected, the G-sensor automatically locks the current video segment to prevent it from being overwritten by loop recording. The sensitivity can be adjusted in settings.
- **Parking Monitor:** With an optional hardwire kit (not included), the dash cam can monitor your vehicle for impacts or motion even when parked, providing 24-hour surveillance.
- **Night Vision:** The dash cam utilizes WDR technology to enhance video clarity in low-light conditions, ensuring license plates and road signs are visible.
- **Parking Assist:** When reversing, the screen automatically displays the rear camera view with adjustable parking guidelines to assist with safe parking.



G-sensor

Lock and save important video when the G-sensor detects collision



24H Parking Monitor

Support 24 hours recording only when it is connected to a hardwire kit (not included)



Seamless Loop Recording

Automatically overwrites the unlocked oldest recordings when the memory card is full

Image: Explains the G-sensor for collision detection, the 24-hour parking monitor (requires hardwire kit), and seamless loop recording functionality.

Super Night Vision

Capture license plates, road signs clearly with WDR even at strong/ low light environment



Image: Illustrates the Super Night Vision capability, showing how the dash cam captures clear license plates and road signs even in challenging light environments.



Image: The parking assist feature, displaying the rear camera view with adjustable guidelines to help with safe and precise parking maneuvers.

6. MAINTENANCE

- **MicroSD Card Formatting:** To maintain optimal recording performance and prevent data corruption, format the MicroSD card monthly using the dash cam's settings menu.
- **Lens Cleaning:** Regularly clean the camera lenses with a soft, lint-free cloth to ensure clear video quality. Avoid abrasive materials that could scratch the lenses.
- **Firmware Updates:** Check the AZDOME official website for available firmware updates. Keeping your dash cam's firmware up-to-date can improve performance and add new features.
- **Temperature Considerations:** The device is designed to withstand high temperatures up to 158°F (70°C). However, prolonged exposure to extreme temperatures (hot or cold) can affect battery life and performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty car charger; loose connection.	Check car charger connection and vehicle's 12V outlet. Ensure vehicle ignition is on. Try a different power source if available.
Recording stops or freezes.	SD card error; incompatible SD card; full SD card; faulty SD card.	Format the SD card. Use a high-speed (Class 10 or U3) MicroSD card from a reputable brand (e.g., SanDisk). Replace the SD card if issues persist.
Rear camera not displaying.	Loose cable connection; faulty camera.	Check the connection of the rear camera cable to the main unit. Ensure the cable is not damaged.
GPS signal not found.	GPS module obstructed; poor satellite reception.	Ensure the GPS module has a clear view of the sky (e.g., on the dashboard). Avoid placing it under metallic objects.
Screen automatically switches view.	Incorrect display settings.	Adjust the display settings in the menu to your preferred view (e.g., always show rear camera). Some models may default to front view after a period.

8. SPECIFICATIONS

Feature	Detail
Model Name	PG16S-3CH
Display	12-inch Full Touch Screen
Front Camera Resolution	2K (1440P)
Interior Camera Resolution	1080P
Rear Camera Resolution	1080P
Lens Angle	150° (Front, Interior, Rear)
Storage	Supports up to 256GB MicroSD Card (64GB included)
Connectivity	USB, Wireless (for display features)
Special Features	Night Vision (WDR), Parking Assist, GPS, G-Sensor, Loop Recording, 24H Parking Monitor (with optional hardwire kit)
Operating Temperature	Up to 158°F (70°C)
Power Source	Car Charger (12V)
Dimensions	12.83 x 3.19 x 4.65 inches
Item Weight	2.88 pounds

9. WARRANTY AND SUPPORT

AZDOME products come with a standard warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official AZDOME website. For technical support, troubleshooting assistance, or inquiries about replacement parts, please contact AZDOME customer service through their official channels.

Important Note: Arbitrary disassembly of the device is not covered under warranty.
For the latest information and support, visit the [AZDOME Official Store on Amazon](#).

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