

AZDOME M580

AZDOME M580 3 Channel 5K Dash Cam User Manual

Model: M580

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AZDOME M580 3 Channel 5K Dash Cam. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

The AZDOME M580 is a high-performance 3-channel dash camera system designed to record video from the front, rear, and inside of your vehicle. It features 5K resolution for the front camera, 5G WiFi connectivity, and supports advanced parking monitoring with the included OBD Hardwire Kit.

PACKAGE CONTENTS

Verify that all items are present in the package:

- AZDOME M580 Dash Cam Unit
- OBD Hardwire Kit Power Cable (Type C Port)
- Rear Camera (if included in your specific bundle)
- Inside Camera (integrated or separate, depending on model variant)
- USB Cable
- Car Charger
- Mounting Bracket
- User Manual
- Memory Card (e.g., 64GB, if bundled)



Image: AZDOME M580 Dash Cam, OBD Hardwire Kit, and included 64GB SD card.

PRODUCT OVERVIEW

The AZDOME M580 features a 4-inch touch screen and supports multiple recording configurations.



Image: Overview of AZDOME M580 features including 3-channel recording, 5G WiFi, 64GB card support, IR Night Vision, 4" Touch Screen, Built-in GPS, 24H Parking Monitor, and G-Sensor.

Recording Modes:

- **Front Only:** 5K (5160x2160P)
- **Front and Rear:** 4K (Front) + 1080P (Rear)
- **Front and Inside:** 4K (Front) + 1080P (Inside)

- **Front, Rear, and Inside:** 4K (Front) + 1080P (Rear) + 1080P (Inside)

3 Channel Dash Cam

3 Channel Recording: 4K+1080P+1080P
Single Front Cam: 5K (5160*2160P)



150°
4K
Front



150°
1080P
Cabin



150°
1080P
Rear



Image: Visual representation of the 3-channel recording capabilities, showing front (4K), cabin (1080P), and rear (1080P) camera views.

SETUP AND INSTALLATION

Mounting the Dash Cam:

1. Clean the windshield area where the dash cam will be mounted. Ensure it does not obstruct the driver's view.
2. Attach the suction cup mount or adhesive mount to the dash cam.
3. Press the mount firmly onto the chosen windshield area and secure it.
4. Adjust the camera lens to ensure it captures the desired view of the road ahead.

Connecting Power with OBD Hardwire Kit:

The included OBD Hardwire Kit provides a non-destructive installation and enables parking mode functionality.

1. Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side.
2. Connect the OBD Hardwire Kit cable to the OBD-II port.
3. Route the Type-C end of the hardwire kit cable to the dash cam and plug it into the camera's power input.
4. Tuck the cable neatly along the windshield trim to avoid interference with driving.

AZDOME OBD Hardwire Kit

5 Benefits for Your Protection

01

Parking Monitoring



02

Intelligent Identification
Automatic Start and Stop



03

High Efficiency
Power Output



04

Low Voltage
Monitoring



05

Quick
Installation



Image: Diagram illustrating the five benefits of the AZDOME OBD Hardwire Kit: Parking Monitoring, Intelligent Identification (Auto Start/Stop), High Efficiency Power Output, Low Voltage Monitoring, and Quick Installation.

Built-in 5G WiFi



Live View



Replay



Share



Download



Image: Close-up of the OBD Hardwire Kit connector, demonstrating its connection to a vehicle's OBD port.

Installing Rear and Inside Cameras (if applicable):

1. For the rear camera, mount it on the rear windshield, ensuring a clear view. Route the cable to the main dash cam unit.
2. For the inside camera, if separate, mount it to capture the cabin interior.
3. Connect the rear and inside camera cables to their respective ports on the main dash cam unit.

Initial Power On and Settings:

1. Once powered, the dash cam will automatically turn on and begin recording.
2. Use the touch screen to navigate the menu.
3. Set the correct date and time, video resolution, loop recording duration, and G-sensor sensitivity in the settings menu.

5G WiFi Connectivity:

The built-in 5G WiFi allows for faster video download and management via the AZDOME app.

1. Download the official AZDOME app from your smartphone's app store.
2. On the dash cam, enable WiFi in the settings.
3. Connect your smartphone to the dash cam's WiFi network (SSID and password displayed on the dash cam screen).
4. Use the app to view live footage, playback recorded videos, download files, and adjust settings remotely.

24 Hours Parking Mode

Requires a 3-lead Hardwire Kit with an output current of 2.5A,
search ASIN: B0BHN8SS4D



Collision Detection Parking Mode



Time-Lapse Parking Mode



Continuously Record at 1fps

Time-lapse Mode 24h

Normal Recording 48mins

Image: Illustration of the 5G WiFi functionality, showing live view, replay, sharing, and download options through a smartphone app connected to the dash cam.

Parking Monitoring Mode:

With the OBD Hardwire Kit, the dash cam can automatically enter parking monitoring mode when the vehicle is turned off.

- **Collision Detection:** The G-sensor detects impacts and automatically records emergency video.
- **Time-Lapse Recording:** Continuously records at 1 frame per second (fps) to save storage space while providing

24H Parking Monitoring

It enables the dashcam to automatically enter time-lapse recording mode after the car is turned off. Also, It enables the dashcam to save the emergency video when a collision is detected.



Collision Detection



Time-Lapse



Continuously Record at 1fps

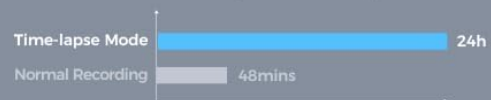


Image: Visual explanation of the 24-hour parking mode, detailing both collision detection and time-lapse recording features.

MAINTENANCE

Memory Card Management:

- Use a high-speed (Class 10 or U3 recommended) microSD card.

- Format the memory card regularly (e.g., once a month) within the dash cam's settings to prevent data corruption and ensure optimal performance.
- Replace the memory card if you experience frequent recording errors or data loss.

Cleaning the Device:

- Wipe the camera lens and screen with a soft, lint-free cloth.
- Do not use abrasive cleaners or solvents.

Firmware Updates:

Check the AZDOME official website periodically for firmware updates to improve performance and add new features. Follow the instructions provided with the firmware update carefully.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply; faulty cable; OBD port issue.	Check OBD Hardwire Kit connection. Ensure vehicle ignition is on. Try a different power source if available.
Recording stops or freezes.	Memory card full or corrupted; low-speed memory card.	Format the memory card. Use a high-speed (Class 10/U3) card. Replace the card if issues persist.
WiFi connection issues.	Incorrect password; interference; app issue.	Ensure correct WiFi password. Restart dash cam and phone. Reinstall AZDOME app.
Parking mode not working.	OBD Hardwire Kit not properly connected; parking mode disabled in settings.	Verify OBD Hardwire Kit connection. Enable parking mode in dash cam settings.
Poor video quality.	Dirty lens; incorrect resolution settings; low light conditions.	Clean the lens. Set video resolution to maximum (e.g., 5K for front). Ensure sufficient lighting.

SPECIFICATIONS

- **Model:** AZDOME M580
- **Front Camera Resolution:** 5K (5160x2160P)
- **Multi-Channel Resolution:** 4K+1080P (Front+Rear), 4K+1080P (Front+Inside), 4K+1080P+1080P (Front+Rear+Inside)
- **Display:** 4-inch Touch Screen
- **Connectivity:** Built-in 5G WiFi, GPS
- **Power Source:** OBD Hardwire Kit (Type C Port)
- **Special Features:** 24H Parking Monitoring (Collision Detection, Time-Lapse), G-Sensor, Loop Recording, IR Night Vision (for inside camera)
- **Included Components:** Dash Cam, OBD Hardwire Kit, Cable
- **Color:** Black

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AZDOME website or contact AZDOME customer service directly.

AZDOME Official Website: www.azdome.com

Please retain your purchase receipt for warranty claims.