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› AZDOME M550 Dashcam User Manual

Azdome M550

AZDOME M550 3-Channel Dashcam User Manual

Your comprehensive guide to setting up and operating your AZDOME M550 Dashcam.

1. INTRODUCTION

Thank you for choosing the AZDOME M550 3-Channel Dashcam. This advanced dashcam system provides comprehensive surveillance for your vehicle, recording simultaneously from the front, inside the cabin, and the rear. Equipped with 4K/2.5K resolution, GPS, Wi-Fi connectivity, superior night vision, loop recording, and G-sensor functionality, the M550 ensures reliable and high-quality video evidence for your peace of mind.

This manual will guide you through the installation, operation, and maintenance of your dashcam, helping you to utilize all its features effectively.



Figure 1: AZDOME M550 Dashcam and its components.

2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- 1 x AZDOME M550 4K Dash Cam (Front Camera)
- 1 x 1080P In-Car Rear Camera (Cabin Camera)
- 1 x 21.3ft Rear Camera Cable
- 1 x 11.5ft Power Supply Cable with Car Charger
- 1 x 64GB Micro SD Card
- 2 x Electrostatic Stickers
- Cable Clips / Pry Tool (quantity may vary)
- Adhesive Bracket
- Mini USB Power Cable (3.5M/1.2ft)
- User Manual

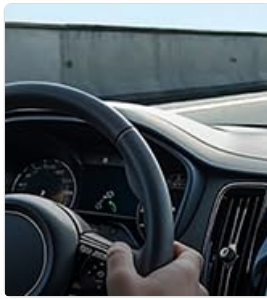


Figure 2: All components included with the AZDOME M550 Dashcam.

3. SETUP AND INSTALLATION

3.1 Inserting the Micro SD Card

Insert the provided 64GB Micro SD card into the dashcam's SD card slot until it clicks into place. Ensure the card is inserted correctly to avoid damage. For optimal performance, it is recommended to format the SD card within the dashcam before first use and periodically thereafter.

3.2 Mounting the Dashcam

The AZDOME M550 uses a suction cup mount for the front camera. Choose a location on your windshield that does not obstruct your view, typically behind the rearview mirror. Clean the windshield surface thoroughly before attaching the mount.

1. **Front Camera:** Attach the suction cup mount to the windshield. Ensure the camera lens has a clear view of the road ahead.
2. **Cabin Camera:** The cabin camera is integrated into the main unit. Ensure its lens is clear and facing the vehicle's interior.
3. **Rear Camera:** Mount the rear camera on the rear windshield or outside the vehicle (if waterproof). Route the cable neatly to the main dashcam unit.

Built-in WiFi

Easily preview, download, edit videos and share your exciting journey to social media through AZDOME app.



Live View



GPS Tracking



Download



Share



Settings



AZDOME APP



Note: Please keep dashcam and your phone within 10ft.

Figure 3: Recommended installation points and cable routing for the dashcam system.

3.3 Power Connection

Connect the provided car charger to your vehicle's cigarette lighter socket and the other end to the dashcam's power input. Route the power cable along the edge of the windshield and dashboard to keep it tidy and out of the way.

4. OPERATING INSTRUCTIONS

4.1 Basic Recording

Once powered on, the dashcam will automatically begin recording. The M550 supports 3-channel recording (Front 2.5K, Cabin 1080P, Rear 2.5K) simultaneously, ensuring comprehensive coverage.

2.5K+1080P+2.5K Recording

The new M550 supports upgraded 2.5K Quad HD recording for both front and rear views, delivering exceptional video quality day and night.



Figure 4: Simultaneous 3-channel recording capability.

4.2 Loop Recording

The dashcam records video in continuous loops (1, 3, or 5-minute segments). When the SD card is full, the oldest

unlocked video files will be automatically overwritten to make space for new recordings. This ensures continuous recording without manual intervention.

G-Sensor & Loop Recording

When SD card becomes full, dash cam will automatically overwrite the oldest unlocked footage.



Figure 5: Loop recording functionality.

4.3 G-Sensor and Emergency Lock

The built-in G-sensor detects sudden movements or collisions. In the event of an impact, the current video segment will be automatically locked and saved to a protected folder, preventing it from being overwritten by loop recording. You can also manually lock a video by pressing the designated button on the dashcam.

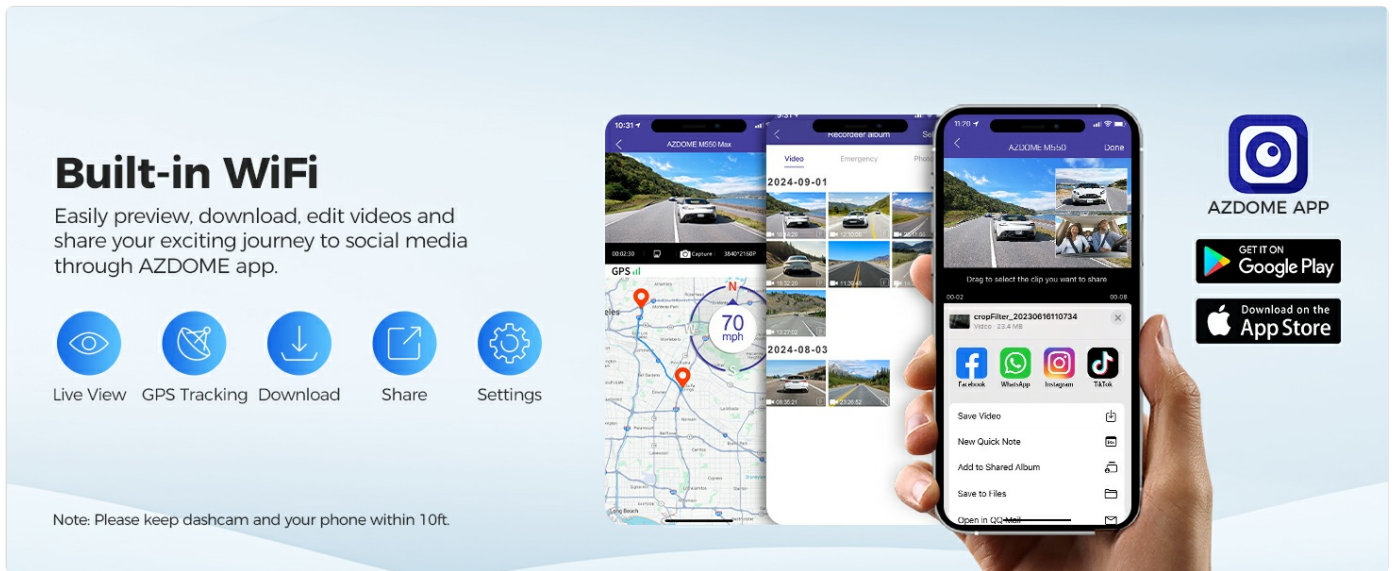


Figure 6: Emergency lock and G-sensor operation.

4.4 Parking Monitoring

The M550 offers 24-hour parking monitoring with three modes: Collision Detection, Motion Detection, and Time-Lapse. To enable these features, a hardwire kit (ASIN: B0BHN8SS4D) must be purchased separately and installed.

- **Collision Detection:** The G-sensor detects impacts and records a short video.
- **Motion Detection:** Records when motion is detected in front of the camera.
- **Time-Lapse:** Records continuously at a low frame rate (e.g., 1 frame per second) to save storage space while providing full coverage.

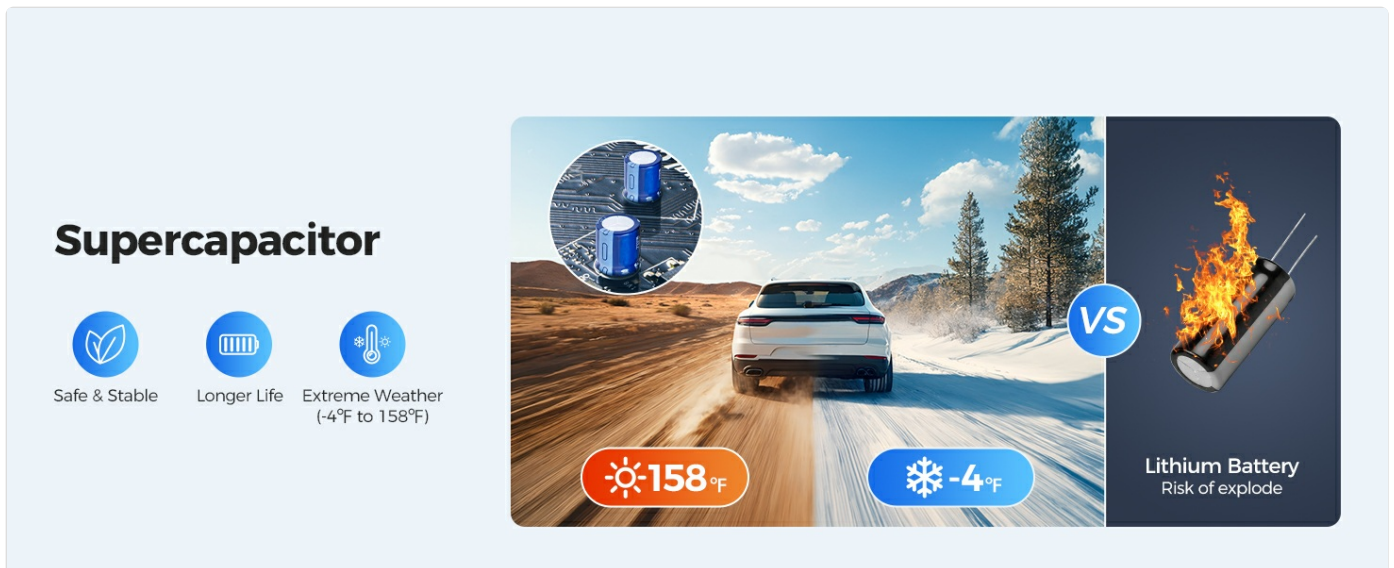


Figure 7: Parking monitoring modes.

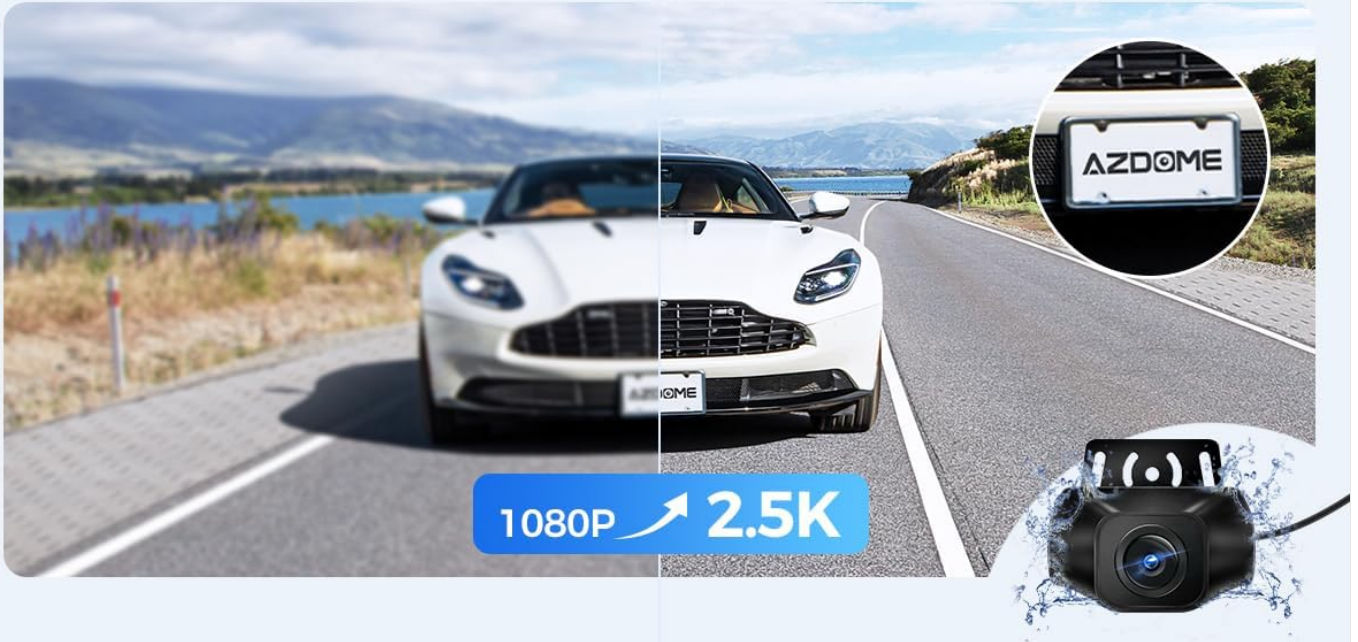
4.5 Built-in Wi-Fi & AZDOME App Control

Connect your smartphone to the dashcam via Wi-Fi using the AZDOME app (available on Google Play and App Store). The app allows you to:

- View live footage from all cameras.
- Playback recorded videos.
- Download videos directly to your phone.
- Adjust dashcam settings.

- Share videos to social media.

Upgraded 2.5K IP68 Waterproof Rear Cam



Superior Infrared Cabin Cam

The interior camera uses a Sony Starvis sensor to activate 6 infrared LED lights in low light, capturing clear black-and-white images in complete darkness.



Figure 8: AZDOME App interface for Wi-Fi control.

4.6 GPS Tracking

The integrated GPS module records your driving route, speed, and coordinates. This information can be viewed on the dashcam's screen or through the AZDOME app/GPS Player software on your computer (Windows/macOS).

Loop Recording with Free 64GB Card

Every 1/3/5 min loop recording, the oldest videos will be overwritten when the card is full.

- Recording time for different cards.
2.5K(1440P 30fps)+1080P 30fps+2.5K(1440P 30fps)

64G	128G	256G
3H	6H	12H



Figure 9: GPS tracking capabilities.

4.7 Super Night Vision

The M550 features a powerful 6-layer lens with F1.8 aperture and WDR (Wide Dynamic Range) technology, along with 6 hidden IR LED lights for the cabin camera. This combination balances bright and dark areas in recordings, ensuring clear images even in low-light conditions or complete darkness, enhancing night driving safety.

GPS Tracking

The dash cam records your driving speed, location, and routes, allowing you to manage this GPS information on Google Maps using Free AZDOME GPS Player or AZDOME APP.

A laptop screen displays a dashboard with a speedometer showing 70 KM/H, a live video feed of the road, and a map. A smartphone next to it shows a similar interface. Below the laptop, there are icons for 'Live Speed Display', 'macOS', and 'Windows'. To the right, a white car is shown driving on a coastal road, with a blue location pin above it and a circular inset showing the dash cam's lens and sensor area.

Figure 10: Enhanced night vision with WDR technology.

5. MAINTENANCE

5.1 Formatting the SD Card

Regularly format the Micro SD card (at least once a month) to ensure optimal performance and prevent data corruption. This can be done through the dashcam's menu settings or via the AZDOME app.

5.2 Cleaning the Lenses

Use a soft, lint-free cloth to gently clean the camera lenses. Avoid using abrasive cleaners that could scratch the lens surface.

5.3 Supercapacitor Technology

The AZDOME M550 utilizes a supercapacitor instead of a traditional lithium battery. This provides enhanced durability and

safety, allowing the dashcam to withstand extreme temperatures from -20°C to 70°C (-4°F to 158°F), reducing the risk of overheating and extending the product's lifespan.

Time Lapse Recording

The dash cam takes 1 pictures per second and merge them into a video for capturing long trips.

512GB SD Card

Time Lapse	720H (3CH, 1FPS)
Normal Recording	24H (3CH, 30FPS)

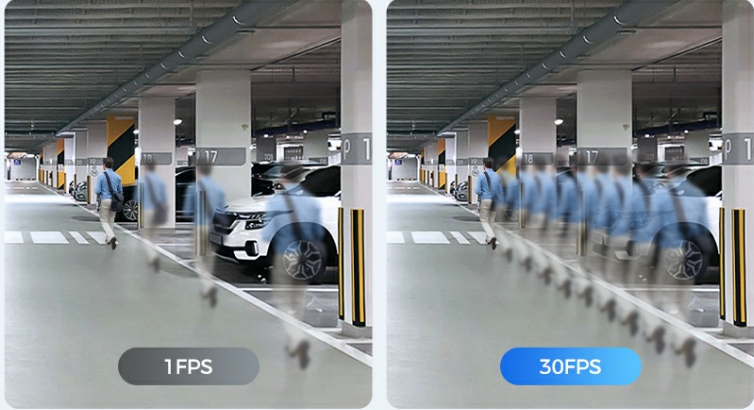


Figure 11: Supercapacitor benefits for temperature resistance.

6. TROUBLESHOOTING

If you encounter issues with your AZDOME M550 Dashcam, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Dashcam does not power on.	Check power connection to the car charger and vehicle's cigarette lighter. Ensure the vehicle's ignition is on.
Recording stops or freezes.	SD card may be full or corrupted. Format the SD card. Ensure you are using a high-speed (Class 10 or U3) SD card.
Video quality is poor.	Clean the camera lenses. Ensure the protective film is removed. Check resolution settings in the menu.
Wi-Fi connection issues.	Ensure the dashcam's Wi-Fi is enabled. Keep your phone within 10ft of the dashcam. Restart both devices.
Parking mode not working.	Parking mode requires a hardwire kit (sold separately). Ensure it is correctly installed and connected.
GPS not tracking.	Ensure the GPS module is properly connected and has a clear view of the sky. Allow a few minutes for satellite acquisition.

If the problem persists, please contact AZDOME customer support for assistance.

7. SPECIFICATIONS

Key technical specifications for the AZDOME M550 Dashcam:

Feature	Specification
Model Name	M550

Feature	Specification
Video Resolution	Front: 4K (3840x2160p) / 2.5K (2560x1440p) Cabin: 1080P (1920x1080p) Rear: 2.5K (2560x1440p)
Lens Aperture	F1.8
Screen Size	3.19" IPS Display
Connectivity	Built-in Wi-Fi, GPS
Storage	Supports up to 256GB Micro SD card (64GB included)
Special Features	G-Sensor, Loop Recording, Parking Monitor, WDR, Supercapacitor
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Dimensions	7 x 10 x 7 cm
Weight	710 grams

8. WARRANTY AND SUPPORT

The AZDOME M550 Dashcam comes with a **12-month warranty**. AZDOME also provides **24/7 technical support** to assist you with any issues or questions you may have.

For customer service inquiries, please send an email to the support team. The AZDOME Research and Development team is committed to providing feedback within 24 hours on business days.

For further assistance, please visit the official AZDOME website or contact their customer support directly.