AZDOME RCM550

AZDOME RCM550 Rear Camera Instruction Manual

Full HD 1080P 150° Wide View Rear Camera for AZDOME M550 Dash Cam

1. PRODUCT OVERVIEW

The AZDOME RCM550 is a Full HD 1080P rear camera designed to provide a 150-degree wide-angle view, enhancing your driving safety and recording capabilities. It is specifically compatible with the AZDOME M550 Dash Cam system, offering a seamless integration for comprehensive vehicle surveillance.

Image 1.1: The AZDOME RCM550 rear camera unit with its 20ft connection cable.

This camera utilizes a high-quality CMOS optical sensor and connects via an RCA connector, ensuring reliable video transmission. Its surface mount installation type allows for flexible placement on your vehicle.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your AZDOME RCM550 rear camera. Please follow these steps carefully.
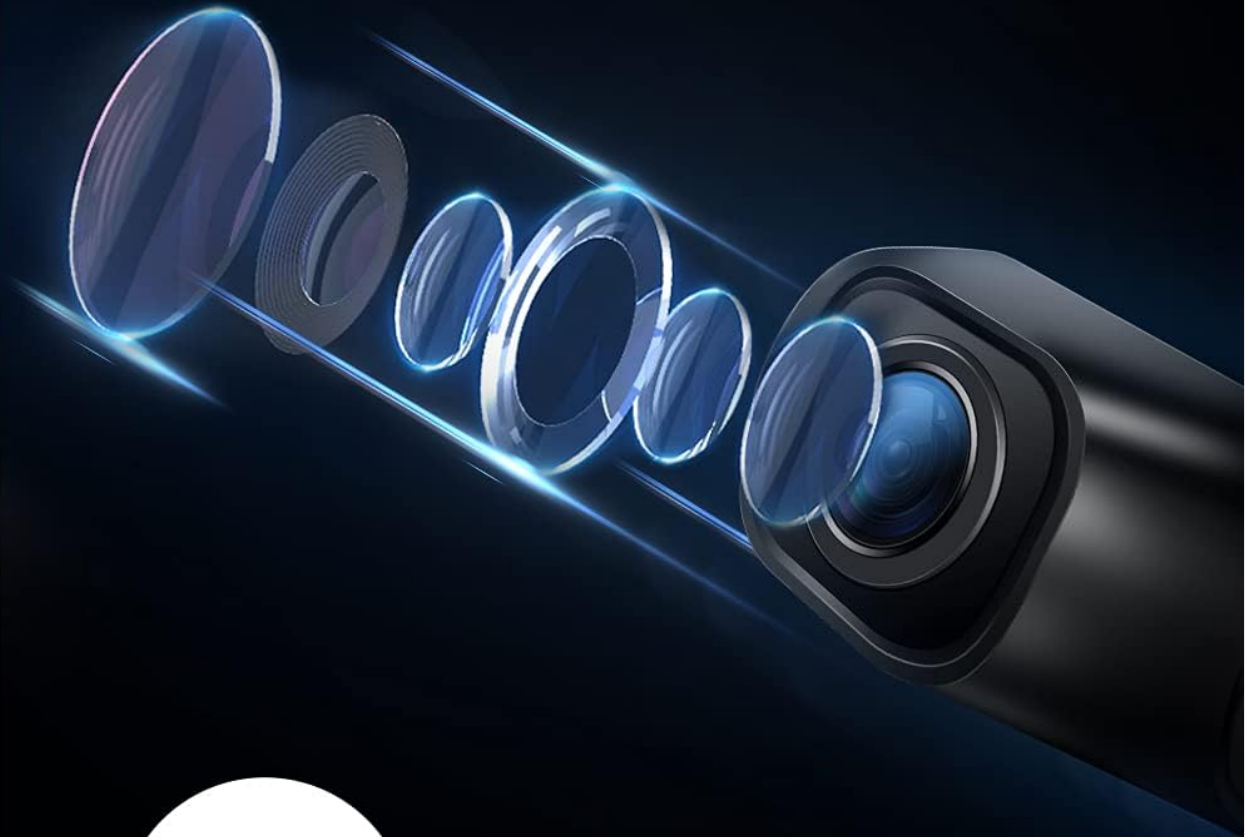
2.1. Package Contents

- AZDOME RCM550 Rear Camera
- 20ft RCA Video Cable
- Mounting Screws/Adhesive (if included with specific kit)

2.2. Installation Steps

1. **Choose Mounting Location:** Select a suitable location on the rear of your vehicle, typically above the license plate or near the rear window, ensuring a clear 150-degree view. The camera is designed for surface mount installation.
2. **Secure the Camera:** Use the provided mounting screws or strong adhesive to firmly attach the rear camera to the chosen location. Ensure it is stable and does not obstruct any vehicle functions.
3. **Route the Cable:** Carefully route the 20ft RCA video cable from the rear camera to the location of your AZDOME M550 Dash Cam. This typically involves tucking the cable along the vehicle's headliner, A-pillars, or under floor mats to conceal it and prevent interference.
4. **Connect to Dash Cam:** Plug the RCA connector of the rear camera cable into the designated rear camera input port on your AZDOME M550 Dash Cam.
5. **Power Connection (if applicable):** If your specific setup requires a separate power connection for the rear camera (e.g., for reverse trigger), connect the red wire to your vehicle's reverse light positive wire and the black wire to a ground point. *Note: The RCM550 typically draws power directly from the M550 Dash Cam via the RCA cable, so a separate power connection might not be needed for basic recording. Consult your M550 manual for specific wiring diagrams.*
6. **Test the Connection:** Power on your AZDOME M550 Dash Cam and verify that the rear camera feed is displayed correctly on the dash cam screen. Adjust the camera angle if necessary to achieve the desired view.

Image 2.1: Diagram illustrating the shielded Ethernet cable design for stable signal transmission, which is used in the rear camera's connection.

3. OPERATING THE REAR CAMERA

The AZDOME RCM550 rear camera operates in conjunction with your AZDOME M550 Dash Cam. Its

functionality is primarily controlled through the dash cam's interface.

3.1. Recording Modes

- **Simultaneous Recording:** When connected, the RCM550 will automatically record simultaneously with the front camera of your M550 Dash Cam. Both video feeds are typically saved as separate files or as a picture-in-picture display, depending on your dash cam's settings.
- **Parking Monitor Mode:** If your M550 Dash Cam supports parking monitor functionality and is properly hardwired, the rear camera will also record events when the vehicle is parked and motion/impact is detected.

3.2. Live View and Playback

- **Live View:** Access the live feed from the rear camera through the display screen of your M550 Dash Cam. Refer to your M550 manual for instructions on switching between front, rear, or picture-in-picture views.
- **Video Playback:** Recorded rear camera footage can be reviewed directly on the M550 Dash Cam's screen or by transferring the memory card to a computer.

3.3. Reverse Assist Function (Optional)

If the rear camera is wired to your vehicle's reverse lights, it can automatically display a full-screen rear view with parking guidelines on the M550 Dash Cam's display when the vehicle is shifted into reverse. This feature provides visual assistance for parking and backing up.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AZDOME RCM550 rear camera.

- **Lens Cleaning:** Periodically clean the camera lens with a soft, lint-free cloth. For stubborn dirt, use a small amount of lens cleaning solution. Avoid abrasive materials that could scratch the lens.
- **Cable Inspection:** Check the video cable for any signs of wear, kinks, or damage. Ensure all connections are secure.
- **Mounting Security:** Verify that the camera remains securely mounted to your vehicle. Re-tighten screws or re-apply adhesive if necessary.
- **Software Updates:** Keep your AZDOME M550 Dash Cam's firmware updated, as this can sometimes improve compatibility and performance with connected accessories like the rear camera.

5. TROUBLESHOOTING

If you encounter issues with your AZDOME RCM550 rear camera, refer to the following common problems and solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No rear camera display on dash cam.	- Loose cable connection. - Incorrect port connection. - Damaged cable or camera. - Dash cam settings.	- Ensure the RCA cable is securely plugged into both the rear camera and the dash cam. - Verify the cable is connected to the correct rear camera input port on the M550. - Inspect the cable for visible damage. If damaged, replace it. - Check your M550 Dash Cam's settings to ensure the rear camera input is enabled.
Rear camera image is blurry or unclear.	- Dirty lens. - Condensation on lens. - Improper focus (unlikely for fixed-focus camera).	- Clean the camera lens thoroughly with a soft cloth. - Allow time for condensation to dissipate, or use a defogging agent if persistent. - Ensure the camera is securely mounted and not vibrating.
Rear camera not recording.	- Dash cam recording issue. - Memory card issue.	- Ensure your M550 Dash Cam is recording properly. - Check the memory card in your M550 Dash Cam for errors or fullness. Format the card if necessary (backup important files first).

For further assistance, please contact AZDOME customer support.

6. SPECIFICATIONS

Feature	Detail
Model Number	RCM550
Brand	AZDOME
Video Capture Resolution	1080p Full HD
Real Angle of View	150 Degrees
Lens Type	Wide Angle
Optical Sensor Technology	CMOS
Lux Rating	0.1 Lux
Compatible Devices	AZDOME M550 Dash Cam
Installation Type	Surface Mount
Connector Type	RCA
Product Dimensions	5.91 x 1.97 x 1.97 inches (15.01 x 5.00 x 5.00 cm)

Feature	Detail
Item Weight	7 ounces (198.45 grams)

7. WARRANTY AND SUPPORT

AZDOME provides comprehensive support for its products.

7.1. Warranty Information

This product comes with a **1-Year Warranty** from the date of purchase. AZDOME offers a **30-Day Return Policy** and accepts returns on defects. Please retain your proof of purchase for warranty claims.

7.2. Customer Support

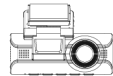For any questions, technical assistance, or warranty claims, please contact AZDOME customer support:

Email: service@azdomevip.com

Phone: (833) 667-5545

Please provide your product model (RCM550) and purchase details when contacting support for faster service.

Related Documents

User Manual M550 AZDOME www.azdome.com Enjoy Your Smart Driving	[AZDOME M550 Dash Cam User Manual and Installation Guide](#) Comprehensive user manual for the AZDOME M550 Dash Cam, covering installation, operation, specifications, features, and troubleshooting. Learn how to set up and use your M550 dashcam effectively.
User Manual M550 Pro AZDOME www.azdome.com Enjoy Your Smart Driving	[AZDOME M550 Pro 4K Dash Cam User Manual and Installation Guide](#) Comprehensive user manual for the AZDOME M550 Pro 4K Dash Cam, covering installation, operation, specifications, and troubleshooting. Learn how to use your M550 Pro dashcam for smart driving.

	[AZDOME M550 Max 4K 3 Channel Dash Cam Specifications](#) Detailed specifications for the AZDOME M550 Max 4K 3 Channel Dash Cam, including video resolution, view angle, GPS, WiFi, parking mode, G-sensor, screen size, and battery.
	[AZDOME M550 Dash Cam User Manual](#) Comprehensive user manual for the AZDOME M550 Dash Cam, covering installation, operation, video playback, settings, troubleshooting, and specifications for optimal smart driving experience.