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## MOMENTO MR-C300

# MOMENTO MR-C300 C3 Rear Camera Set Instruction Manual

Model: MR-C300

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MOMENTO MR-C300 C3 Rear Camera Set. This camera is designed to enhance your vehicle's safety by providing a clear view of the area behind your vehicle, assisting with parking and reversing maneuvers. It is compatible with the MOMENTO R1 Rearview Mirror and various aftermarket radios equipped with dedicated backup camera video inputs.



**Image 1.1:** MOMENTO MR-C300 C3 Rear Camera Set Packaging. This image displays the retail packaging for the MOMENTO MR-C300 C3 Rear Camera Set. The box features the 'C3' logo and 'MOMENTO' branding. The main visual on the box is the MR-C300 camera unit, which is designed for license plate mounting. The camera has a central lens flanked by LED lights, and it is attached to a black bracket with multiple screw holes for universal fitment behind a license plate.

Text on the box indicates features like 'Parking Cam', 'Parking LEDs', '600p Resolution', and 'LP Mount'.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the MR-C300 C3 Rear Camera Set. Failure to follow these instructions may result in injury or damage to the product or vehicle.

- **Professional Installation Recommended:** For optimal performance and safety, professional installation by a qualified technician is recommended.
- **Power Source:** Connect the camera only to a 12 Volts (DC) power source. Incorrect voltage can damage the unit.
- **Wiring:** Ensure all wiring is properly insulated and secured to prevent short circuits or interference. Avoid routing cables near hot or moving parts of the vehicle.
- **Visibility:** Do not obstruct the camera's view with dirt, snow, ice, or other debris. Regularly clean the lens.
- **Driving Safety:** The rear camera is an aid for reversing and parking. Always check your surroundings manually and use your mirrors. Do not rely solely on the camera display.

### 3. PACKAGE CONTENTS

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Verify that all components are present in the box before beginning installation:

- MOMENTO MR-C300 C3 Rear Camera Unit with License Plate Mount
- Video Cable (RCA connector)
- Power Cable
- Mounting Hardware (screws, nuts, washers)
- Instruction Manual (this document)

### 4. SETUP AND INSTALLATION

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The MR-C300 C3 Rear Camera is designed for surface mount installation, typically utilizing a license plate bracket. Ensure the vehicle's power is off before starting installation.

#### 4.1 Mounting the Camera

1. **Choose Location:** The camera is designed to mount behind your vehicle's license plate. Ensure the chosen location provides a clear, unobstructed view.
2. **Secure Mount:** Position the camera's bracket behind the license plate and align it with the existing license plate screw holes. Use the provided mounting hardware to securely fasten the camera and license plate to the vehicle.
3. **Adjust Angle:** Once mounted, adjust the camera's vertical angle to achieve the desired viewing perspective. Ensure the ground directly behind the vehicle is visible, along with a clear view of the rear surroundings.

#### 4.2 Wiring Connections

1. **Video Connection:** Connect the yellow RCA connector from the camera's video cable to the dedicated backup camera video input on your MOMENTO R1 Rearview Mirror or aftermarket radio.
2. **Power Connection:** The camera requires a 12 Volts (DC) power supply. Connect the red wire from the camera's power cable to the vehicle's reverse light circuit (positive +) so the camera activates automatically when the vehicle is put into reverse gear. Connect the black wire to a reliable chassis ground (negative -).
3. **Cable Routing:** Carefully route all cables through the vehicle, ensuring they are protected from sharp edges, heat, and moisture. Use cable ties to secure loose wiring.

4. **Test Functionality:** After all connections are made, turn on the vehicle's ignition and engage reverse gear to test the camera's functionality. Verify that the image appears correctly on your display unit.

## 5. OPERATING INSTRUCTIONS

The MOMENTO MR-C300 C3 Rear Camera operates automatically in conjunction with your vehicle's reverse gear.

- **Automatic Activation:** When the vehicle's transmission is shifted into reverse, the camera will automatically power on and transmit its video feed to the connected display (MOMENTO R1 Rearview Mirror or aftermarket radio).
- **Display:** The camera provides a clear, wide-angle view of the area behind your vehicle. The display resolution is 600p, offering good clarity for parking and reversing.
- **Parking Guidelines:** Depending on your display unit (R1 Mirror or aftermarket radio), parking guidelines may be overlaid on the camera feed to assist with judging distance and trajectory. Refer to your display unit's manual for details on activating or adjusting these guidelines.
- **Low Light Performance:** The camera is equipped with parking LEDs to improve visibility in low-light conditions.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your MR-C300 C3 Rear Camera.

- **Cleaning the Lens:** Periodically clean the camera lens with a soft, damp cloth. Avoid abrasive cleaners or materials that could scratch the lens.
- **Checking Connections:** Annually inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Mounting Security:** Verify that the camera and its mounting bracket remain securely fastened to the vehicle. Tighten any loose screws as necessary.

## 7. TROUBLESHOOTING

If you encounter issues with your MR-C300 C3 Rear Camera, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No image on display when in reverse.	<ul style="list-style-type: none"><li>• Loose power or video connection.</li><li>• Incorrect power wiring (not connected to reverse light).</li><li>• Faulty camera or display unit.</li></ul>	<ul style="list-style-type: none"><li>• Check all RCA and power connections.</li><li>• Verify power connection to the reverse light circuit.</li><li>• Test with another display or camera if available.</li></ul>

Problem	Possible Cause	Solution
Image is distorted, flickering, or poor quality.	<ul style="list-style-type: none"> <li>Loose video connection.</li> <li>Interference from other vehicle electronics.</li> <li>Damaged video cable.</li> <li>Dirty camera lens.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure RCA connection is secure.</li> <li>Reroute video cable away from power lines or ignition components.</li> <li>Inspect video cable for damage.</li> <li>Clean the camera lens.</li> </ul>
Camera does not activate automatically.	<ul style="list-style-type: none"> <li>Power wire not connected to reverse light trigger.</li> <li>Reverse light circuit issue.</li> </ul>	<ul style="list-style-type: none"> <li>Confirm the camera's power wire is correctly connected to the reverse light positive (+) wire.</li> <li>Check vehicle's reverse light for proper function.</li> </ul>

If the problem persists after attempting these solutions, please contact MOMENTO customer support or your installer for further assistance.

## 8. SPECIFICATIONS

Technical specifications for the MOMENTO MR-C300 C3 Rear Camera Set:

- **Model:** MR-C300
- **Manufacturer:** MOMENTO
- **Installation Type:** Surface Mount (License Plate)
- **Compatible Devices:** MOMENTO R1 Rearview Mirror, Aftermarket Monitors with RCA input
- **Voltage:** 12 Volts (DC)
- **Optical Sensor Technology:** CMOS
- **Optical Sensor Size:** 0.33 inches
- **Lens Type:** Wide Angle
- **Real Angle of View:** 120 Degrees
- **Connector Type:** RCA
- **Resolution:** 600p
- **Product Dimensions:** 10.2 x 1.2 x 1.5 inches
- **Item Weight:** 9.6 ounces

## 9. WARRANTY INFORMATION

MOMENTO products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. The specific warranty period and terms may vary by region and retailer.

Please retain your proof of purchase for warranty claims.







For detailed warranty information, please refer to the warranty card included with your product or visit the official MOMENTO website.

## 10. SUPPORT

If you require further assistance or have questions not covered in this manual, please contact MOMENTO customer support:

- **Online Support:** Visit the official MOMENTO website for FAQs, support resources, and contact forms.
- **Technical Assistance:** For complex installation or troubleshooting issues, it is recommended to consult with a certified automotive electronics technician.

## Related Documents - MR-C300

	<p><a href="#">Momento R1 Rearview Mirror Replacement System for Backup Camera - Quick Start Guide</a></p> <p>Quick start guide for the Momento R1 rearview mirror replacement system, featuring auto-switching video inputs, adjustable parking guide lines, and auto-adjusting brightness. Includes installation and specification details.</p>
	<p><a href="#">Momento C3 HD Backup Camera: Quick Start Guide and Installation</a></p> <p>This guide provides installation, wiring, and usage instructions for the Momento C3 HD Full HD Backup Camera, designed to integrate with the Momento R1 rearview mirror system. Learn about specifications, mounting, and image configuration.</p>
	<p><a href="#">Momento M7 Dashcam: Start Guide, Installation, and User Manual</a></p> <p>Comprehensive guide for the Momento M7 dashcam, covering package components, product overview, device installation, application usage, settings, system information, software updates, and PC viewer. Includes detailed instructions and specifications.</p>
	<p><a href="#">MOMENTO MD-5200 User's Manual: Full HD Driving Image Recorder</a></p> <p>User's manual for the MOMENTO MD-5200 Full HD Driving Image Recorder, detailing safety, features, installation, operation, and troubleshooting.</p>
	<p><a href="#">MOMENTO MD-4200 HD Driving Image Recorder User Manual</a></p> <p>Comprehensive user manual for the MOMENTO MD-4200 HD Driving Image Recorder, covering installation, operation, features, troubleshooting, and warranty information. Learn about its advanced capabilities for vehicle safety.</p>
	<p><a href="#">MOMENTO M8 MAX Dashcam User Guide</a></p> <p>A comprehensive guide to the MOMENTO M8 MAX dashcam, covering package contents, product overview, device installation, specifications, mobile application usage, and settings.</p>

