

## Podofu PD-P0043BK

# Podofu PD-P0043BK HD 170-Degree Universal Waterproof Rear View Camera Instruction Manual

Model: PD-P0043BK

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Podofu PD-P0043BK HD 170-Degree Universal Waterproof Rear View Camera. Please read this manual thoroughly before use to ensure optimal performance and safety. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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- Ensure all connections are secure and properly insulated to prevent short circuits.
- Disconnect the vehicle's battery before beginning installation to avoid electrical hazards.
- Do not obstruct the camera's view with dirt, snow, or ice. Regularly clean the lens.
- This camera is an aid for reversing and parking. Always check your surroundings directly before maneuvering your vehicle.
- Installation should ideally be performed by a qualified technician if you are unfamiliar with vehicle electrical systems.

## 3. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1 x Podofu Mini Backup Camera
- 1 x 6-meter RCA Video Cable
- 1 x 1-meter Power Cable
- 1 x Installation Instruction Manual



Image: Contents of the Podofu PD-P0043BK package, showing the mini backup camera, a 6-meter RCA video cable, and a 1-meter power cable.

## 4. PRODUCT OVERVIEW

The Podofu PD-P0043BK is a compact and durable rear view camera designed to enhance visibility when reversing. Key features include:

- **High Definition Imaging:** Provides 480TVL resolution for clear images.
- **Wide Viewing Angle:** Features a 170-degree wide-angle lens for comprehensive rear coverage.
- **Durable Construction:** Built with 4 glass lenses and an IP67 waterproof rating, making it suitable for all weather conditions.
- **Universal Compatibility:** Designed for use with various vehicles including cars, trucks, RVs, and vans.
- **Compact Design:** Small size allows for discreet and flexible installation.



Image: Front view of the Podofu PD-P0043BK mini backup camera, showcasing its compact black housing and lens.



Image: A composite image illustrating the camera's installation on a vehicle, the parking assist lines displayed on a monitor, and a diagram highlighting the camera's 4-glass lens construction.



Image: A banner highlighting the camera's features: HD car rear view camera, IP67 waterproof rating, wide viewing angle, and suitability for automobiles, trucks, and RVs.

## 5. SETUP AND INSTALLATION

Follow these general steps for installing your rear view camera. Specific vehicle requirements may vary.

## 5.1 Mounting the Camera

1. **Choose a Location:** Select a suitable location at the rear of your vehicle, typically near the license plate or tailgate handle, that provides an unobstructed view.
2. **Secure the Camera:** Use the included mounting hardware (e.g., screw mount) to firmly attach the camera. Ensure it is angled correctly for optimal rear visibility.

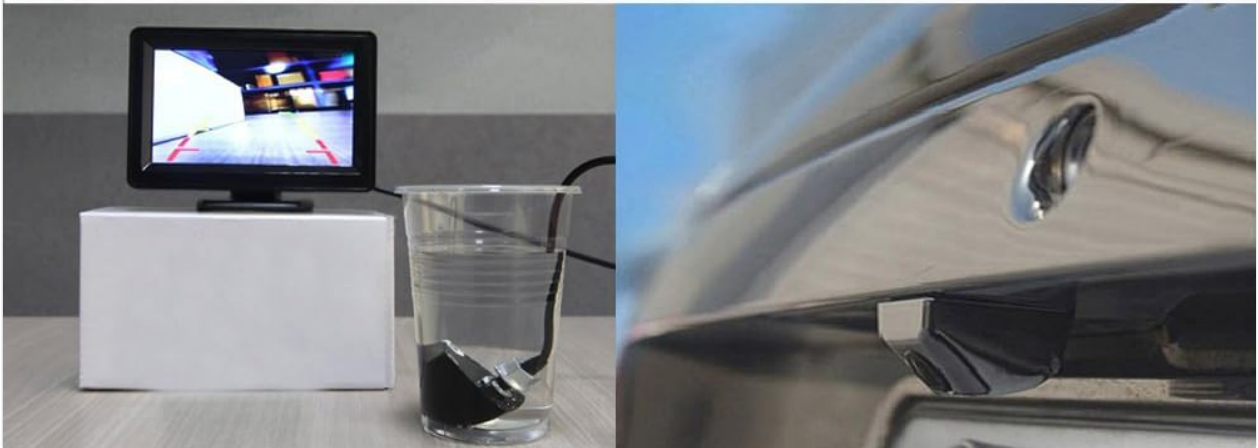


Image: The Podofu PD-P0043BK camera viewed from the front, showing the integrated screw mount for secure installation.



Image: Side view of the Podofo PD-P0043BK camera, highlighting the screw mount and the cable entry point.

## 5.2 Wiring Connections

1. **Power Connection:** Connect the red wire of the power cable to the vehicle's 12V reverse light power supply (positive +). Connect the black wire to a suitable ground point (negative -). This ensures the camera powers on automatically when the vehicle is put into reverse.
2. **Video Connection:** Connect the yellow RCA connector from the camera's video cable to the video input of your compatible monitor or head unit.
3. **Cable Routing:** Carefully route all cables through the vehicle, ensuring they are protected from pinching, heat, and moisture. Use cable ties to secure them.



Image: The Podofo PD-P0043BK camera with its integrated cable, showing the connection point for the video and power cables.

### 5.3 Testing

After installation, test the camera's functionality:

- Turn on your vehicle and engage reverse gear.
- Verify that the camera image appears on your monitor.
- Check the image clarity and viewing angle.

## 6. OPERATING INSTRUCTIONS

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Once properly installed, the Podofo PD-P0043BK camera operates automatically:

- When you shift your vehicle into reverse gear, the camera will automatically power on and transmit video to your connected monitor.
- The monitor will display the rear view, often with superimposed parking assist lines to help guide you.
- When you shift out of reverse, the camera will power off.

## gran ángulo de visión



Image: An illustration depicting the wide-angle coverage provided by the camera, showing an expanded view behind the vehicle.

## 7. MAINTENANCE

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To ensure the longevity and optimal performance of your camera:

- **Clean the Lens:** Regularly wipe the camera lens with a soft, damp cloth to remove dirt, dust, and water spots. Avoid abrasive cleaners.
- **Check Connections:** Periodically inspect all wiring connections to ensure they remain secure and free from corrosion.
- **Water Exposure:** While the camera is IP67 waterproof, avoid directing high-pressure water jets directly at the camera for extended periods.



Image: A composite image showing the camera submerged in water to demonstrate its waterproof capability, alongside an image of the camera installed on a vehicle's rear.

## 8. TROUBLESHOOTING

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If you encounter issues with your camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none"> <li>Loose power connection</li> <li>Loose video connection</li> <li>Faulty monitor input</li> <li>No power to camera</li> </ul>	<ul style="list-style-type: none"> <li>Check power cable connections to reverse light and ground.</li> <li>Ensure RCA video cable is securely connected to both camera and monitor.</li> <li>Test monitor with another video source if possible.</li> <li>Verify 12V power supply to the camera when in reverse.</li> </ul>
Poor image quality (blurry, distorted, lines)	<ul style="list-style-type: none"> <li>Dirty camera lens</li> <li>Low light conditions</li> <li>Electrical interference</li> <li>Damaged video cable</li> </ul>	<ul style="list-style-type: none"> <li>Clean the camera lens.</li> <li>Ensure adequate reverse lighting.</li> <li>Install a 12V power filter/capacitor to reduce electrical noise.</li> <li>Inspect video cable for damage; replace if necessary.</li> </ul>
Parking lines are always on/cannot be removed	Integrated feature	The parking assist lines are an integrated feature of this camera model and cannot be disabled.

## 9. SPECIFICATIONS

Feature	Specification
Brand	Podofu
Model	PD-P0043BK
Product Dimensions	0.35 x 0.25 x 0.33 cm; 86.75 g
Voltage	12 Volts DC
Video Capture Resolution	480p
Material Type	ABS, Aluminum, Glass
Lens Type	Wide angle
Real Viewing Angle	170 Degrees
Waterproof Rating	IP67
Connector Type	RCA
Compatible Devices	Monitor

## 10. WARRANTY AND SUPPORT

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Podofu is committed to providing quality products and customer satisfaction. Your PD-P0043BK camera comes with the following support:

- **30 Days:** Exchange or Return policy.
- **365 Days:** Technical Support.
- **24/7:** Customer Service availability.

For any inquiries or support, please contact us via email:

[podofodirect@163.com](mailto:podofodirect@163.com)



Image: Graphic detailing Podofu's after-sales service, including 30-day exchange/return, 365-day tech support, 24/7 customer service, and contact email.