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Podofu B099N7VMJ8

Podofu Wireless AHD Reversing Camera System User Manual

Model: B099N7VMJ8

1. PRODUCT OVERVIEW

The Podofu Wireless AHD Reversing Camera System provides a reliable and clear view for various vehicles, enhancing safety during reversing and driving. This system features a 7-inch HD monitor and two IP69 waterproof cameras, utilizing a stable digital signal for clear transmission.



Image 1.1: The Podofu Wireless AHD Reversing Camera System, showing the 7-inch monitor and two wireless cameras with antennas.

Key Features:

- **Wireless AHD Connection:** Simplifies installation by eliminating complex wiring between cameras and monitor.
- **7-inch HD Monitor:** Provides a clear and adequately sized display for various vehicle models.
- **Stable Digital Signal:** Ensures reliable transmission with minimal interference, with a range of up to 50m in open areas.
- **Dual Camera Input & Split Screen:** Supports up to two cameras simultaneously, allowing for a split-screen view to monitor multiple angles.
- **IP69 Waterproof Cameras:** Designed for durability and safe operation in various weather conditions, including rain and snow.
- **Adjustable Reversing Line & Night Vision:** Features customizable reversing guidelines and supports night vision for low-light conditions.
- **Flexible Camera Design:** Cameras can be rotated 360° for optimal viewing angles. Includes a sunshade for the monitor.

2. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all components are present.

Product Size & Package List



Power Cable



Power Cable



Accessories



Sunshade



Monitor Base



Monitor Base



Antenna head



User Manual



Camera

Image 2.1: Detailed view of the package contents, including the monitor, two cameras, power cables, accessories, sunshade, monitor bases, antenna heads, and user manual.

- 7-inch HD Monitor
- Wireless AHD Cameras (x2)
- Power Cables for Cameras (x2)
- Power Cable for Monitor (with car charger adapter)
- Monitor Bases (various types)
- Antenna Heads

- Sunshade for Monitor
- Mounting Accessories (screws, brackets)
- User Manual (this document)

3. INSTALLATION GUIDE

Follow these steps for proper installation of your Podofu Wireless AHD Reversing Camera System.



Easy Installation



Supply power car charger from cigarette lighter

Wire to positive of 12-24V power source
Wire to negative of 12-24V power source

Wire to Positive of reverse light
Wire to Negative of reverse light

Wire to Positive of reverse light
Wire to Negative of reverse light



1 Install the camera

2 Install the monitor

3 Turn on the monitor

Image 3.1: Step-by-step installation diagram for the camera and monitor, including wiring connections.

3.1. Camera Installation

1. **Choose Camera Location:** Select a suitable location at the rear of your vehicle for the camera, ensuring a clear view and protection from physical damage. For a second camera, choose a location that provides the desired additional view (e.g., front, side, or inside a trailer).
2. **Mount the Camera:** Securely attach the camera using the provided mounting accessories. Ensure the camera is oriented correctly.
3. **Wire the Camera:**
 - Connect the **red wire** of the camera's power cable to the **positive (+)** terminal of your vehicle's reverse light (or another suitable 12V-36V power source that activates when needed).
 - Connect the **black wire** of the camera's power cable to the **negative (-)** terminal or a reliable ground point on your vehicle's chassis.

Note: For continuous power (e.g., for a front camera or constant monitoring), connect to a constant 12V-36V power source. Ensure proper insulation for all connections.

3.2. Monitor Installation

4. **Choose Monitor Location:** Mount the 7-inch monitor on your dashboard or windshield using the provided monitor base. Ensure it does not obstruct your view while driving.
5. **Connect Monitor Power:**
 - Option A (Cigarette Lighter): Plug the monitor's power cable directly into your vehicle's 12V-36V cigarette lighter socket.
 - Option B (Hardwire): Connect the monitor's power cable (red wire to positive, black wire to negative) to a suitable 12V-36V power source in your vehicle's electrical system.
6. **Attach Antennas:** Screw the provided antennas onto the monitor and cameras.

3.3. Initial Setup and Pairing

7. **Power On:** Start your vehicle and ensure power is supplied to both the cameras and the monitor.
8. **Pairing:** The system is typically pre-paired. If no image appears, or if you are adding a new camera, navigate to the "Setup" menu on the monitor. Follow the on-screen instructions to complete the pairing process. This usually involves selecting a channel and initiating pairing mode on the monitor, then ensuring the camera is powered on.

4. OPERATING INSTRUCTIONS

Understand how to use the monitor and camera features for optimal performance.

7-Inch HD Screen



Reversing switch effect



Split & full screen



Image 4.1: The 7-inch HD monitor showing options for reversing guidelines and split-screen viewing.

4.1. Monitor Functions

- **Power Button:** Turns the monitor on/off.
- **Menu Button:** Accesses the system settings.
- **Navigation Buttons (Up/Down/Left/Right):** Used to navigate through menu options and adjust settings.
- **OK/Confirm Button:** Confirms selections in the menu.
- **Channel Switch Button:** Cycles between camera views (CH1, CH2, etc.) or activates split-screen mode.

4.2. Display Modes



Image 4.2: Comparison of full-screen and split-screen display modes on the monitor.

- **Full Screen:** Displays the view from a single selected camera.
- **Split Screen:** Displays views from two cameras simultaneously. Use the channel switch button to toggle between full screen and split screen, or to select which camera is displayed in full screen.

4.3. Image Settings

- **Reversing Guidelines:**



Image 4.3: The monitor displaying the reversing guidelines in both ON and OFF states.

You can enable or disable the reversing guidelines through the "System" menu. The last button in the menu typically serves as the "Confirm" button for this setting.

- **Image Flip (Mirror/Normal):**



Image 4.4: The monitor demonstrating the difference between normal and mirror image views.

The monitor supports image flip, allowing you to switch between normal and mirror views. This is useful for front cameras or specific mounting orientations.

- **Brightness and Saturation:** Adjust these settings in the monitor's menu to optimize display quality based on ambient light conditions.

4.4. Night Vision

HD Back up Camera



Image 4.5: The camera's performance in both daytime and nighttime conditions, highlighting its night vision capability.

The cameras are equipped with night vision capabilities to provide clear images in low-light conditions. Note that the night vision mode typically displays a monochrome (black and white) view, not color.

4.5. Looping Video Recording (Optional)

Looping Video



Image 4.6: The monitor indicating support for looping video recording via an SD card (not included).

The monitor supports looping video recording. To utilize this feature, insert a compatible SD card (up to 128GB, not included) into the designated slot on the monitor. The system will automatically record footage, overwriting the oldest files when the card is full.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your camera system.

- **Cleaning the Camera Lens:** Periodically clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Cleaning the Monitor Screen:** Use a soft, lint-free cloth to clean the monitor screen. For stubborn smudges, a screen cleaner designed for electronics can be used sparingly.
- **Check Connections:** Occasionally inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Antenna Care:** Ensure antennas are securely attached and not bent or damaged, as this can affect signal strength.
- **Weather Protection:** While cameras are IP69 waterproof, extreme weather conditions (e.g., prolonged exposure to direct sunlight in very hot climates, or severe ice buildup) should be considered for overall system longevity.

6. TROUBLESHOOTING

If you encounter issues with your system, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No image on monitor / "No Signal" message	<ul style="list-style-type: none"> ◦ Camera or monitor not powered. ◦ Cameras not paired with monitor. ◦ Signal interference or distance. ◦ Damaged cable or antenna. 	<ul style="list-style-type: none"> ◦ Check all power connections to both camera(s) and monitor. ◦ Go to the monitor's "Setup" menu and re-pair the cameras. ◦ Reduce distance between camera and monitor, or reposition antennas. ◦ Inspect cables and antennas for visible damage.
Image flickering or unstable	<ul style="list-style-type: none"> ◦ Weak signal. ◦ Power supply issues. ◦ Interference from other wireless devices. 	<ul style="list-style-type: none"> ◦ Ensure antennas are securely attached and unobstructed. ◦ Check power connections for stability. ◦ Move away from strong electromagnetic sources if possible.
Poor image quality (blurry, dark)	<ul style="list-style-type: none"> ◦ Dirty camera lens. ◦ Incorrect brightness/saturation settings. ◦ Insufficient lighting for night vision. 	<ul style="list-style-type: none"> ◦ Clean the camera lens. ◦ Adjust brightness and saturation in the monitor's menu. ◦ Ensure sufficient ambient light for optimal night vision performance.
Reversing guidelines not appearing/incorrect	<ul style="list-style-type: none"> ◦ Guidelines disabled in settings. 	<ul style="list-style-type: none"> ◦ Enable reversing guidelines in the "System" menu on the monitor.

If the problem persists after trying these solutions, please contact Podofu customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	Podofu
Screen Size	7 Inches
Compatible Devices	Monitor
Display Technology	LCD
Installation Type	Surface Mount
Video Recording Resolution	1080p
Voltage	12V-36V DC
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Real View Angle	140 Degrees
Waterproof Rating	IP69 (Cameras)

8. WARRANTY AND SUPPORT

Your Podofu Wireless AHD Reversing Camera System comes with a manufacturer's warranty and dedicated support.

- **Manufacturer's Warranty:** This product is covered by a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.
- **Customer Support:** For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Podofu electronic customer service. Refer to the contact information provided with your product packaging or visit the official Podofu website.