

OiLiehu 1080P Wireless RV Backup Camera System

OiLiehu 1080P Wireless RV Backup Camera System User Manual

Model: 1080P Wireless RV Backup Camera System

Introduction	Safety Information	Package Contents	Product Overview	Setup	Operating
Instructions	Maintenance	Troubleshooting	Specifications	Warranty & Support	

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your OiLiehu 1080P Wireless RV Backup Camera System. This system is designed to enhance visibility and safety for various vehicles, including RVs, trucks, vans, SUVs, and pickups, by providing a clear, stable, and wide-angle view of your surroundings.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing and operating the system. Failure to follow these instructions may result in injury or damage to the product or vehicle.

- **Professional Installation Recommended:** If you are unsure about any installation steps, consult a qualified technician.
- **Power Source:** Ensure the system is connected to a stable 12V-36V DC power source. Incorrect voltage can damage the components.
- **Wiring:** Always disconnect the vehicle's battery before performing any wiring to prevent electrical shorts.
- **Secure Mounting:** Mount all components securely to prevent detachment during vehicle movement.
- **Visibility:** Do not obstruct the driver's view or interfere with vehicle controls when mounting the monitor.
- **Waterproofing:** While cameras are IP69 waterproof, ensure all cable connections are properly sealed to prevent water ingress.
- **Operation:** This system is an aid and does not replace safe driving practices. Always check your surroundings manually before maneuvering.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 9-inch Wireless Monitor
- Wireless Backup Cameras (Quantity may vary based on purchased kit, typically 1-4)

- Power Cables for Monitor and Cameras
- Mounting Brackets and Screws
- User Manual (This document)

4. PRODUCT OVERVIEW

The OiLiehu Wireless RV Backup Camera System consists of a high-resolution monitor and wireless cameras designed for robust performance in various vehicle environments.

4.1. Monitor Features

- **Screen Size:** 9-inch IPS display
- **Resolution:** 1024*600 pixels
- **Channels:** Supports up to 4 camera inputs
- **Signal:** Stable wireless signal with dual antenna design
- **Controls:** Intuitive buttons for channel switching, menu navigation, and settings adjustment.

4.2. Camera Features

- **Resolution:** 1080P HD video capture
- **Waterproof Rating:** IP69 (suitable for outdoor use in all weather conditions)
- **Night Vision:** Enhanced night vision for clear images in low-light conditions.
- **Viewing Angle:** Wide viewing angle (e.g., 90° up/down, 139° left/right) for comprehensive coverage.
- **Wireless Range:** Up to 500ft in open areas, 320ft on RVs.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your wireless backup camera system.

5.1. Camera Installation

1. **Choose Mounting Location:** Select a location on the rear, front, or sides of your vehicle that provides an unobstructed view and allows for secure mounting. Ensure the camera is positioned to capture the desired area.
2. **Mount the Camera:** Use the provided mounting bracket and screws to securely attach the camera to the chosen surface. Adjust the camera angle as needed.
3. **Power Connection:** Connect the camera's power cable to a 12V-36V DC power source. For a rear camera, this is typically connected to the vehicle's reverse light circuit so it powers on when reversing. For continuous monitoring, connect to an ignition-switched power source. Ensure proper polarity (red wire to positive, black wire to negative).



Figure 5.1: Wiring diagram showing how to connect the camera and monitor to power sources. The monitor connects via a cigarette lighter adapter, and the camera connects directly to a 12V-36V power supply.

5.2. Monitor Installation

1. **Choose Mounting Location:** Select a stable surface on your dashboard or windshield that does not obstruct your driving view or interfere with airbags.
2. **Mount the Monitor:** Attach the monitor to the chosen location using the provided suction cup or adhesive mount. Adjust the angle for optimal viewing.
3. **Power Connection:** Plug the monitor's power cable into your vehicle's cigarette lighter socket.

5.3. Pairing Cameras with Monitor

The cameras and monitor are typically pre-paired from the factory. If pairing is lost or you are adding new cameras, follow these steps:

1. Power on both the monitor and the camera you wish to pair.

2. On the monitor, navigate to the pairing menu (refer to the monitor's specific button layout for menu access).
3. Select an unused channel for pairing.
4. Initiate the pairing process on the monitor.
5. Within a short timeframe (usually 10-30 seconds), press the pairing button on the camera (if available, consult camera instructions for exact location). The monitor should display the camera's feed upon successful pairing.



Figure 5.2: Illustration of the wireless connection between the camera and monitor, indicating direct pairing without a router.

6. OPERATING INSTRUCTIONS

Once installed, operating your OiLiehu backup camera system is straightforward.

6.1. Powering On/Off

- The monitor will power on automatically when connected to a powered cigarette lighter socket and the vehicle's ignition is on.
- To manually power off, press and hold the power button on the monitor.

6.2. Switching Camera Channels

If you have multiple cameras connected, you can switch between views:

- Press the 'CH' button on the monitor to cycle through available camera channels (CH1, CH2, CH3, CH4).
- The monitor may also support split-screen views to display multiple camera feeds simultaneously. Refer to the monitor's on-screen menu for this option.



Figure 6.1: The 9-inch monitor displaying simultaneous feeds from four cameras, providing a comprehensive 360-degree view around the vehicle.

6.3. Adjusting Monitor Settings

Use the 'M' (Menu) and arrow buttons ('<', '>') on the monitor to access and adjust settings:

- **Brightness/Contrast:** Adjust image clarity and visibility.
- **Color/Saturation:** Fine-tune color representation.
- **Mirror/Flip Image:** Change the camera view (e.g., for front cameras or specific mounting orientations).
- **Guidelines:** Enable or disable parking guidelines and adjust their position.
- **Language:** Select your preferred language for the menu.



Figure 6.2: The 9-inch monitor interface, highlighting key features such as night vision, wide-angle view, and 1080P resolution.

6.4. Night Vision Functionality

The cameras are equipped with infrared LEDs for night vision, automatically activating in low-light conditions to provide a clear black and white image. During the day, the cameras provide full-color HD images.

IP68 Waterproof

Suitable for indoor and outdoor all weather environment applications



Day Vision

High definition full color camera, showcasing more image details.



Night Vision

HD black and white night vision for clearer viewing at night



Figure 6.3: Comparison illustrating the camera's high-definition full-color day vision and clear black and white night vision capabilities.

Note: The image mentions IP68, but the product is rated IP69 waterproof.

7. MAINTENANCE

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

- **Cleaning the Monitor:** Use a soft, dry, anti-static cloth to clean the monitor screen. Avoid abrasive cleaners or solvents.
- **Cleaning the Cameras:** Periodically clean the camera lenses with a soft, damp cloth to remove dirt, dust, or water spots that may obscure the view. Do not use harsh chemicals.
- **Cable Inspection:** Regularly check all cables and connections for signs of wear, damage, or corrosion. Ensure connections remain secure and waterproof.
- **Waterproofing:** The cameras are IP69 rated for water and dust resistance. However, avoid directing high-pressure

water jets directly at the camera or its connections during cleaning.

- **Storage:** If the vehicle is stored for an extended period, consider disconnecting the system from power.

8. TROUBLESHOOTING

Refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none">• Monitor not powered on• Camera not powered on• Poor wireless signal• Camera not paired	<ul style="list-style-type: none">• Check monitor power connection (cigarette lighter).• Check camera power connection and fuse.• Ensure camera and monitor are within range and free from obstructions.• Re-pair the camera with the monitor (refer to Section 5.3).
Image flickering or unstable	<ul style="list-style-type: none">• Weak wireless signal• Interference from other devices• Loose connections	<ul style="list-style-type: none">• Relocate camera or monitor for better signal.• Ensure antennas are properly attached and oriented.• Check for strong electromagnetic interference sources.• Verify all power and signal connections are secure.
Poor image quality (blurry, dark)	<ul style="list-style-type: none">• Dirty camera lens• Incorrect monitor settings• Insufficient lighting (at night)	<ul style="list-style-type: none">• Clean the camera lens.• Adjust monitor brightness, contrast, and color settings.• Ensure night vision LEDs are not obstructed.
Monitor not responding to buttons	<ul style="list-style-type: none">• Monitor frozen• Power issue	<ul style="list-style-type: none">• Disconnect and reconnect monitor power to reset.• Ensure stable power supply.

9. SPECIFICATIONS

Feature	Detail
Brand	OiLiehu
Screen Size	9 Inches
Product Dimensions	4.3"L x 8.9"W x 5.6"H
Compatible Devices	Truck, RV, Van, SUV, Pickup, Car

Feature	Detail
Installation Type	Flush Mount
Lens Type	Wide Angle
Real Angle of View	90 Degrees (Vertical)
Field Of View	139 Degrees (Horizontal)
Connector Type	Wireless
Number of Items	5 (typical kit)
Effective Still Resolution	1080 Pixels
Video Capture Resolution	1080p
Waterproof Rating	IP69
Power Input	12V-36V DC

10. WARRANTY & SUPPORT

10.1. Warranty Information

This OiLiehu product comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. This warranty does not cover damage caused by improper installation, accident, misuse, abuse, natural disaster, or unauthorized modification.

10.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact OiLiehu customer support. Refer to your purchase documentation or the seller's information for the most current contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0FK4J57P6>

More documents and user manuals: <https://manuals.plus/>