yuwei YW-24166

Yuwei Digital Wireless Backup Camera System YW-24166 User Manual

Model: YW-24166

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Yuwei Digital Wireless Backup Camera System. This system is designed to enhance reversing safety for various vehicles, including cars, pickups, campers, vans, SUVs, sedans, minivans, and cargo vans, by providing a stable, interference-free digital wireless signal. The system features a 4.3-inch wireless reversing monitor and a high-quality camera with IP69 waterproof rating and IR night vision, offering a 150° wide viewing angle.

Package Contents

Verify that all items listed below are present in your package:

- 4.3-inch Wireless Monitor
- Wireless Backup Camera
- 4dBi Antenna
- Cigarette Lighter Power Adapter
- Wire Clasps (for cable management)
- Stand Bracket (for monitor mounting)
- User Manual



Image: All components included in the Yuwei Digital Wireless Backup Camera System package, including the monitor, camera, antenna, power adapter, mounting bracket, and user manual.

SPECIFICATIONS

Brand	yuwei
Model Number	YW-24166
Screen Size	4.3 Inches
Product Dimensions (Monitor)	5.1"L x 3"W x 0.8"H
Compatible Devices	Monitor (for display)
Installation Type	Dashboard Mount (for monitor)

Brand	yuwei
Voltage	12 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Viewing Angle
Real Angle of View	150 Degrees
Connector Type	Wireless
Optical Sensor Size	1/3 inch
Video Capture Format	MP4
Display Technology	LCD
Video Capture Resolution	480p
Waterproof Rating	IP69 (Camera)
Night Vision Range	3m-5m (via 11 IR LEDs)



Image: Detailed view of the monitor and camera with their dimensions and various mounting brackets, including a license plate bracket and a suction cup mount for the monitor.

Setup and Installation

The Yuwei Digital Wireless Backup Camera System is designed for easy installation, typically taking less than one hour. No complex wiring is needed between the camera and the monitor.

Monitor Installation

1. Attach the suction cup mount or stand bracket to the back of the 4.3-inch monitor.
2. Mount the monitor on your vehicle's dashboard or windshield in a location that does not obstruct your view while driving.

3. Connect the monitor's power cable to the provided cigarette lighter power adapter.
4. Insert the cigarette lighter adapter into your vehicle's 12V power socket.



Image: A Yuwei backup camera monitor is shown mounted on a car dashboard, displaying a live feed from the rear camera. A car is depicted with the camera mounted near the license plate.

Camera Installation

The camera requires a DC12V power source, typically connected to your vehicle's reversing light circuit.

1. Identify the reversing light wire (usually red) and a ground wire (usually black) in your vehicle's tail light assembly.
2. Mount the camera near your vehicle's license plate using the provided bracket. Ensure the camera has a clear view of the rear.
3. Connect the camera's red power wire to the reversing light's positive (DC12V) wire.
4. Connect the camera's black ground wire to the vehicle's chassis ground or the reversing light's negative wire.
5. Secure all connections and wires using the provided wire clasps to prevent damage and ensure a tidy installation.

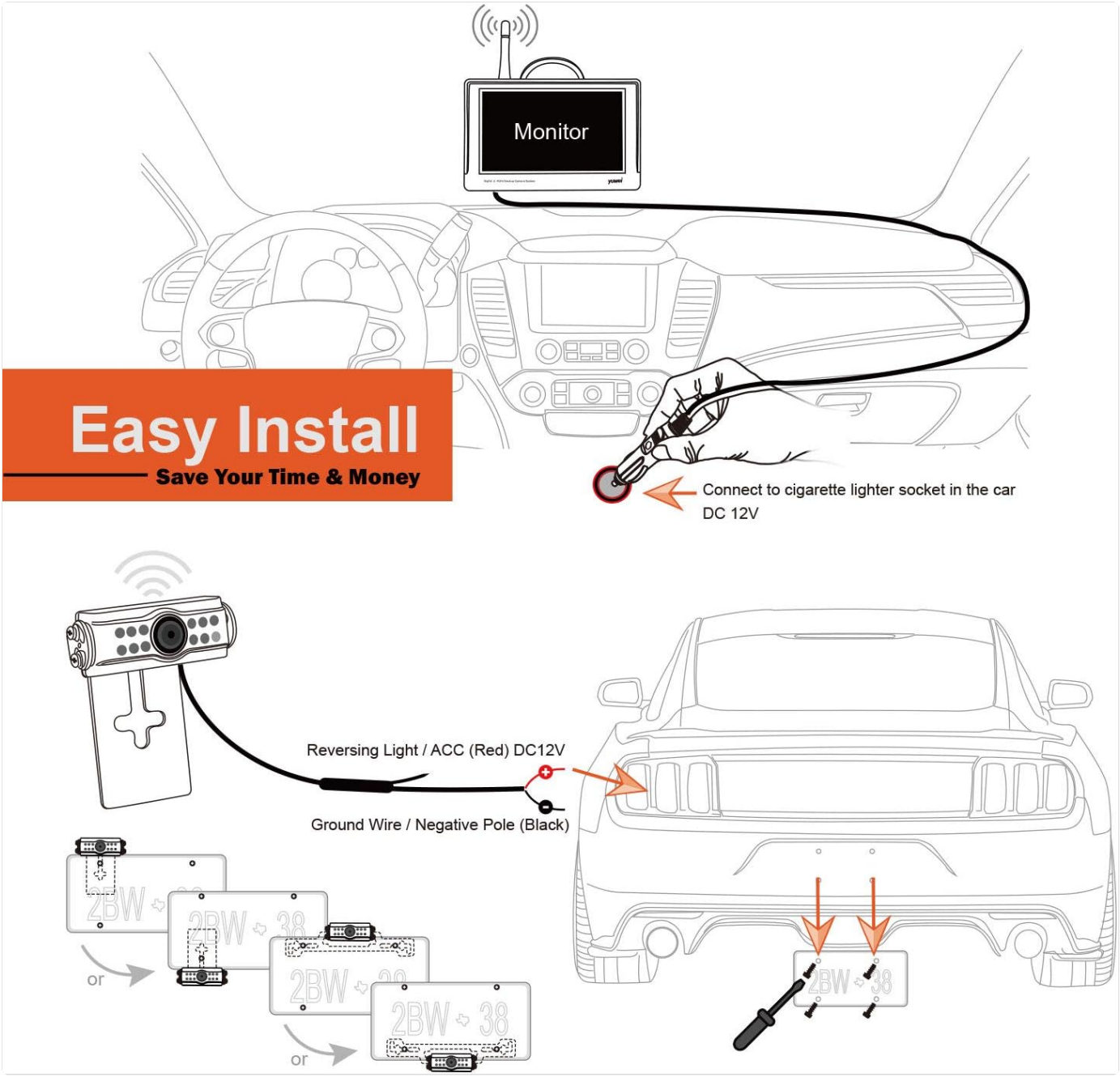


Image: An installation diagram illustrating how to connect the monitor to the cigarette lighter socket and how to wire the camera to the vehicle's reversing light and ground.

Operating Instructions

Once installed, the Yuwei Digital Wireless Backup Camera System operates automatically when your vehicle is put into reverse.

1. **Power On:** Ensure the monitor is plugged into the 12V cigarette lighter socket and the camera is correctly wired to the reversing lights.
2. **Automatic Activation:** When you shift your vehicle into reverse, the camera will power on, and the monitor will automatically display the live video feed from the rear.
3. **Viewing Angle:** The 150° wide viewing angle provides a comprehensive view of the area behind your vehicle.
4. **Night Vision:** The camera's 11 IR LEDs activate automatically in low-light conditions, providing clear night vision up to

3-5 meters.

5. **Adjusting the Monitor:** Use the buttons on the monitor (if available) to adjust brightness, contrast, or other display settings as needed for optimal visibility.



Image: A close-up of the Yuwei camera highlighting its 11 IR LEDs for night vision and a 150-degree view angle. The monitor displays a night view with parking guidelines.

Maintenance

To ensure the longevity and optimal performance of your Yuwei backup camera system, follow these maintenance guidelines:

- **Cleaning the Camera Lens:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Monitor Care:** Wipe the monitor screen with a soft, dry cloth. Do not use liquid cleaners directly on the screen.
- **Cable Inspection:** Periodically check all power connections and wiring for any signs of wear, fraying, or loose connections. Secure any loose wires.

- **Waterproof Rating:** The camera has an IP69 waterproof rating, meaning it is protected against high-pressure, high-temperature jet sprays and continuous immersion. However, avoid directing high-pressure washes directly at the camera for extended periods.
- **Temperature Extremes:** While designed for automotive use, extreme temperatures can affect electronics. If possible, avoid prolonged exposure to direct sunlight or extreme cold when the vehicle is parked.

Troubleshooting

If you encounter issues with your Yuwei Digital Wireless Backup Camera System, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	◦ Monitor not powered ◦ Camera not powered ◦ Loose connection ◦ Signal interference	◦ Check if the cigarette lighter adapter is fully inserted and receiving power. ◦ Ensure the camera is correctly wired to the reversing lights and receiving 12V power when in reverse. ◦ Verify all power cables and connections are secure. ◦ Ensure no large metal objects are blocking the wireless signal path between the camera and monitor.
Flickering or distorted image	◦ Weak wireless signal ◦ Electrical interference ◦ Damaged camera/monitor	◦ Ensure the distance between camera and monitor is within 30ft for optimal signal. ◦ Check for other electronic devices that might cause interference. ◦ Contact customer support if the issue persists after checking power and connections.
Night vision not working	◦ IR LEDs not activating ◦ Lens obstruction	◦ Ensure the camera is in a dark environment for IR LEDs to activate automatically. ◦ Clean the camera lens to remove any dirt or debris covering the IR sensors or LEDs.

Warranty and Support

Yuwei is committed to providing high-quality products and customer satisfaction. Your Digital Wireless Backup Camera System comes with comprehensive support.

- **After-Sales Service:** For any operational issues or inquiries, dedicated email support is available 24 hours a day.
- **Refund Policy:** If you are dissatisfied with the product within one month of purchase, a refund may be issued.
- **Replacement Policy:** A new replacement can be exchanged within one year of purchase for product defects.
- **Contact Information:** For support, please email: yuweiforsafe@outlook.com
- **Manufacturer:** Guangzhou Forsafe Electronics Technology Co.,Ltd

© 2023 Yuwei. All rights reserved.

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