yuwei YW-17211

Yuwei Digital Wireless Backup Camera System Kit User Manual

Model: YW-17211

Product Overview

The Yuwei Digital Wireless Backup Camera System Kit (Model YW-17211) provides a reliable and stable AHD1080P digital wireless video signal for enhanced vehicle safety. Designed for a variety of large vehicles including RVs, trucks, campers, trailers, buses, horse-trailers, school buses, and farm machinery, this system offers clear rear visibility without interference. The kit includes a 7-inch LCD wireless reversing monitor and a high-definition wireless rear view camera, ensuring a comprehensive view of your surroundings.



Figure 1: Yuwei Digital Wireless Backup Camera System Kit components.

The system is engineered for ease of installation and robust performance, featuring an IP69 waterproof camera and an IPS screen monitor for clear viewing in various conditions. It supports up to four wireless cameras, offering flexible display modes including full view, split view, and quad view.

Setup and Installation

Package Contents

Before beginning installation, please verify that all components are present in your package:

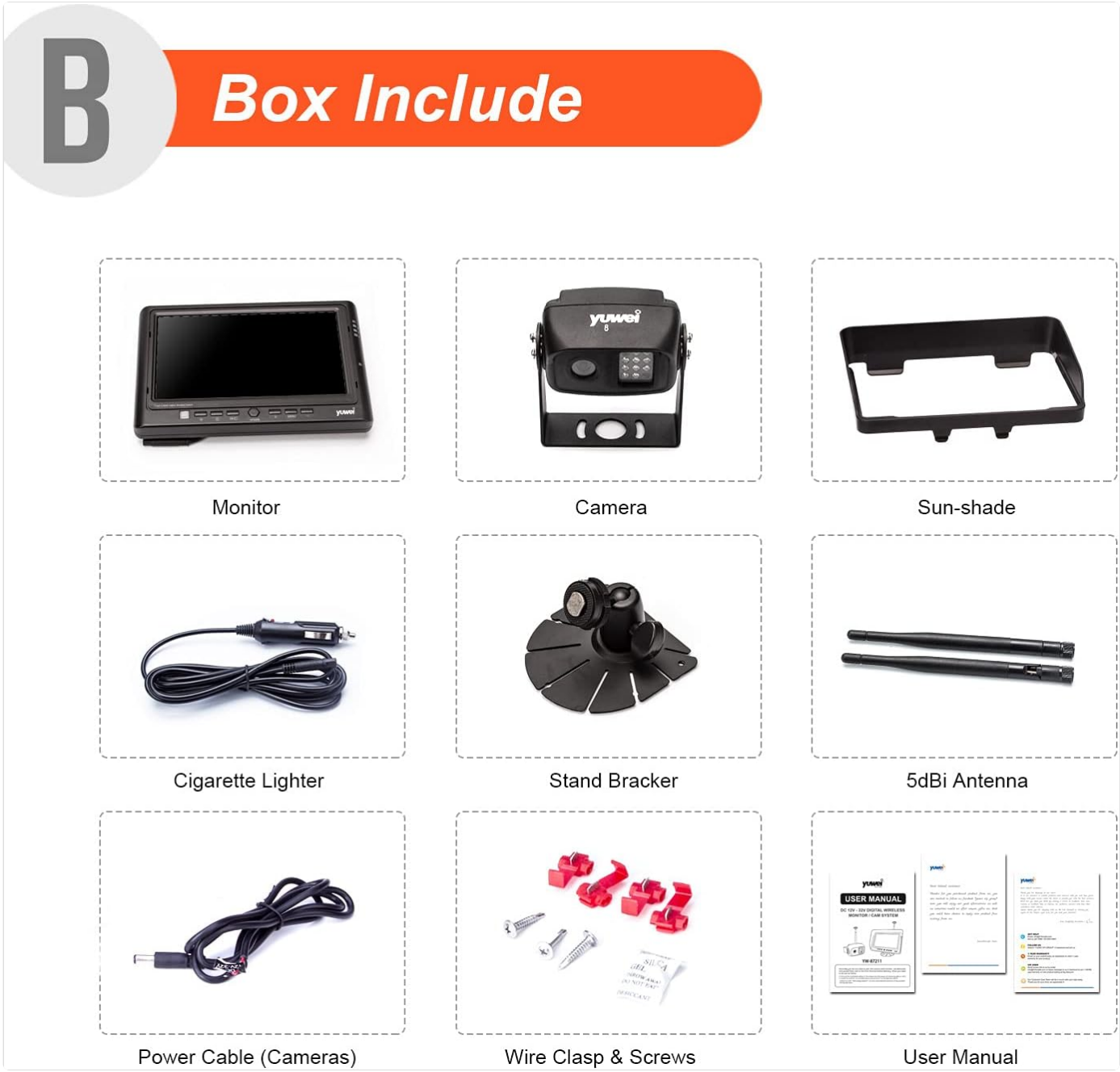


Figure 2: Included components of the Yuwei Digital Wireless Backup Camera System Kit.

- 7-inch LCD Wireless Reversing Monitor
- Wireless Rear View Camera
- Sun-shade for Monitor
- Cigarette Lighter Power Cable for Monitor
- Stand Bracket for Monitor
- 5dBi Antennas (2 units)
- Power Cable for Camera
- Wire Clasps & Screws
- User Manual

Installation Steps

The Yuwei Digital Wireless Backup Camera System is designed for straightforward installation. Follow these steps for optimal performance:

1. **Camera Installation:**

Mount the wireless rear view camera securely at the desired location on the rear of your vehicle (e.g., trailer, RV, truck). Ensure the camera has a clear line of sight. Connect the camera's power cable to a 12V-24V DC power source. This can be the vehicle's reversing lights (for activation when reversing) or running lights (for continuous operation). Ensure a proper ground connection.



Figure 3: Camera and monitor wiring diagram.

2. **Monitor Installation:**

   Attach the monitor to the stand bracket and position it on your dashboard or another suitable location inside the vehicle, ensuring it does not obstruct your view. Connect the monitor's power cable to a 12V-24V cigarette lighter socket in your vehicle.

3. **Antenna Connection:**

   Screw the 5dBi antennas onto both the camera and the monitor. Ensure they are securely tightened for optimal wireless signal transmission.

4. **System Pairing (if necessary):**

   The system is typically pre-paired from the factory. If you experience no signal, refer to the user manual for instructions on how to re-pair the camera and monitor. This usually involves a simple pairing process initiated from the monitor's menu.

Operating Instructions

Powering On/Off

Once the camera and monitor are correctly installed and powered, the system will automatically activate when the camera receives power (e.g., when the vehicle is put into reverse or running lights are on). The monitor will display the camera's view.

Monitor Functions

- **Multiple Camera Support:** The monitor supports up to four wireless cameras. You can switch between camera views or display multiple views simultaneously.



Figure 4: Monitor view options: Full, Split, and Quad screen.

- **View Modes:**
  - **Full View:** Displays a single camera's feed across the entire screen.
  - **Split View:** Displays two camera feeds side-by-side.
  - **Quad View:** Displays four camera feeds simultaneously (requires additional cameras, model YW-AHD0628 or B094D2KZ39).

- **Backup Lines:** The monitor can display adjustable backup guidelines on the screen to assist with parking and reversing. These can typically be toggled on or off via the monitor's menu.



Figure 5: Wireless signal range for the system.

- **Image Flip:** The monitor allows for horizontal and vertical image flipping, useful for adjusting the camera's orientation if mounted in a non-standard position.

Camera Features

- **Wide Viewing Angle:** The camera provides a 120-degree diagonal viewing angle, minimizing blind spots and offering a comprehensive view behind your vehicle.



Figure 6: Camera's wide viewing angle.

- **Waterproof Design:** The camera boasts an IP69 waterproof rating, ensuring durability and reliable operation in various weather conditions, including rain and snow.
- **Night Vision:** Equipped with infrared LEDs, the camera provides clear night vision capabilities, enhancing visibility in low-light conditions.
- **Built-in DVR Recording:** The system includes a built-in DVR function, allowing you to record video footage from the camera. This feature can be useful for documenting incidents or reviewing driving conditions.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your Yuwei Backup Camera System:

- **Cleaning the Camera Lens and Monitor Screen:** Periodically clean the camera lens and monitor screen with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- **Checking Connections:** Regularly inspect all power and antenna connections to ensure they are secure and free from corrosion. Loose connections can lead to signal loss or intermittent operation.
- **Cable Management:** Ensure all cables are properly routed and secured to prevent damage from vehicle movement or environmental factors.

Troubleshooting

If you encounter issues with your Yuwei Digital Wireless Backup Camera System, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
No image on monitor / "No Signal" message	No power to camera or monitor. Loose antenna connections. Out of wireless range. Interference from other wireless devices. Camera and monitor not paired.	Check power connections to both camera and monitor. Ensure vehicle ignition is on if connected to a switched power source. Ensure antennas are securely attached to both units. Reduce distance between camera and monitor. Move system away from other strong wireless signals. Refer to the user manual for pairing instructions.
Image is blurry or distorted	Dirty camera lens. Poor signal quality.	Clean the camera lens with a soft cloth. Check antenna connections and ensure optimal placement for signal strength.
Intermittent signal loss	Weak signal due to distance or obstructions. Electrical interference.	Ensure camera and monitor antennas are unobstructed and facing each other as much as possible. Check for other electronic devices that might be causing interference and reposition if possible.

Specifications

Feature	Detail
Model Number	YW-17211
Brand	yuwei
Display Technology	LCD
Screen Size	7 Inches
Video Capture Resolution	1080p (AHD)
Voltage	12 Volts (compatible with 12-24V systems)
Optical Sensor Technology	CCD
Lens Type	Wide Angle (120°)
Waterproof Rating (Camera)	IP69
Wireless Transmission Distance	Up to 60ft (within vehicle), up to 980ft (open area)
Product Dimensions	7.6 x 5 x 0.8 inches (Monitor)
Item Weight	3.32 pounds

Feature	Detail
Manufacturer	Guangzhou Forsafe Electronics Technology Co.,Ltd

Warranty and Support

Yuwei is committed to providing high-quality products and excellent customer service. We have over 16 years of experience in car electronics, with our systems installed in hundreds of vehicles globally.
We offer professional instructions, reliable customer services, technical support, and replacement services. If you have any questions, require technical assistance, or need to inquire about replacement services, please do not hesitate to contact us through the official Yuwei support channels.
For further assistance, please refer to the contact information provided in your product packaging or visit the official Yuwei website.

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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