

## YIMU WX8310D

# YIMU WX8310D Wireless Solar Backup Camera System User Manual

Model: WX8310D

## INTRODUCTION

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Thank you for choosing the YIMU WX8310D Wireless Solar Backup Camera System. This manual provides comprehensive instructions for the installation, operation, and maintenance of your new backup camera system. Please read this manual thoroughly before use to ensure proper functionality and safety.

## PRODUCT FEATURES

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- **Clear View Rear Camera:** 5" HD 1080P display with 150° wide-angle lens for unobstructed rear view, providing realistic and comfortable images day and night, especially in low-light conditions.
- **Solar Powered or Portable Rechargeable:** Equipped with a solar charging panel for continuous power in strong sunlight. USB Type-C charging is available for low-light or rainy conditions.
- **Gesture Control Sensor:** Easily turn the monitor on and off by waving your hand. The system enters power-saving sleep mode when the monitor is off. Features 0.5X zoom for image magnification without quality loss.
- **Support 2 Camera Channels:** Capable of handling up to two cameras, allowing installation at the front or back of the vehicle. Mirror/flip and up/down settings are adjustable via the screen.
- **IP69K Waterproof:** The camera system is waterproof with an IP69K rating, designed to resist all weather factors (rain, snow, heat) without lens fogging.
- **Multiple Charging Methods:** Can be charged in the car via car charger, by solar panel, or at home via USB.
- **Multi-function Settings:** Includes "normal" and "mirror" adjustment modes, customizable settings for contrast, brightness, and adjustable/closable reversing lines.

## PACKAGE CONTENTS

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Please verify that all items are present in the package:

- 1 x Solar Camera (License Plate Frame)

- 1 x 5-inch HD Monitor
- 1 x Car Charger
- 1 x Suction Mount
- 1 x USB Cable
- 1 x Antenna
- Mounting Hardware (screws, etc.)



Figure 1: Contents of the YIMU WX8310D package.

## SETUP AND INSTALLATION

The YIMU WX8310D system is designed for easy DIY installation with zero wiring or drilling required for the camera. A screwdriver is typically the only tool needed.

### Monitor Installation

The monitor can be installed in two ways: on the windshield or on the dashboard using the provided suction mount.

1. Attach the suction mount to the back of the monitor.
2. Choose a suitable location on your windshield or dashboard that does not obstruct your view.
3. Secure the suction mount firmly to the chosen surface.
4. Connect the monitor to your vehicle's cigarette lighter outlet using the car charger.

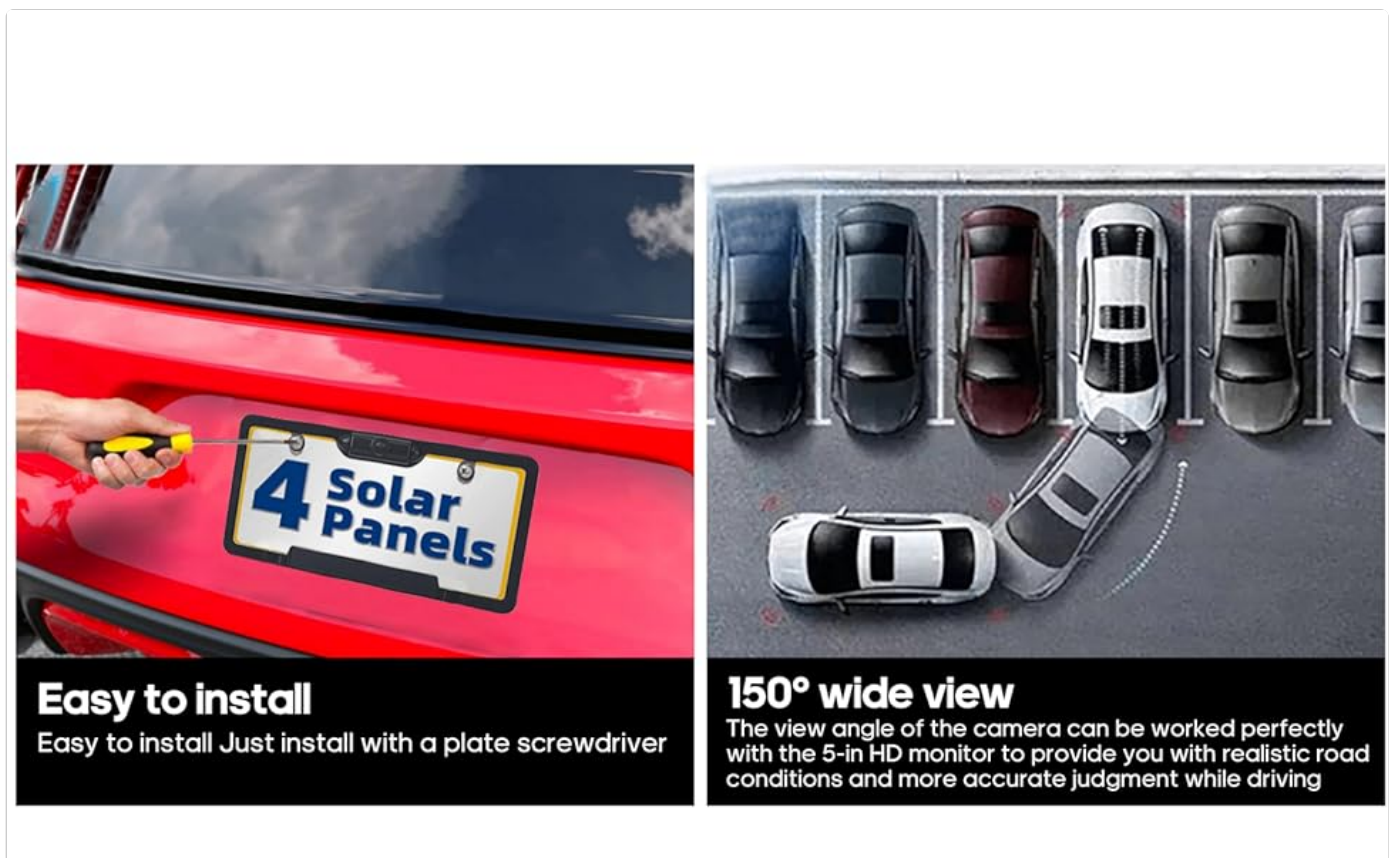


Figure 2: Monitor installation options (windshield or dashboard).

### Camera Installation (License Plate Frame)

The solar camera is integrated into a license plate frame for easy mounting.

1. Remove your vehicle's rear license plate using a screwdriver.
2. Place the YIMU solar camera license plate frame behind your license plate, aligning the screw holes.
3. Re-attach your license plate using the original screws, securing it through the camera frame.
4. Ensure the camera lens is clear and unobstructed.

# 15 Mins DIY Installation

*Zero wiring or drilling, Solar wireless camera  
Installation Just with a screwdriver.*

**1** Connect the monitor to the cigarette lighter outlet, just press the switchbutton on the adapter to turn it on/off the monitor, or put your palm closeto the Gesture on-off of the monitor to turn it on/off as well.



**2** Test the product, open the waterproof plug at the bottom of the camera, press the micro switch with your hand once to turn on, the bottom LED light is bright blue, slow flashing. Turn on the cigarette lighter switch, the monitor power is turned on, the monitor should have an image display, and the LED light is always blue.



**3** Remove the rear license plate screw with a tool, put in the product and fix the screw back, and the installation is complete.

Figure 3: Overview of the DIY installation process.



Figure 4: Easy installation of the camera with a screwdriver.

## Initial Pairing and Power-On

Before first use, ensure the camera and monitor are paired and powered on.

1. Connect the monitor to the cigarette lighter outlet. Press the switch button on the adapter to turn it on/off, or wave your hand close to the monitor's gesture sensor.
2. To activate the camera, open the waterproof plug at the bottom of the camera unit. Press the micro switch inside with your hand (or a small tool like a SIMM chip remover, if provided). The bottom LED light should flash blue slowly, indicating it's on.
3. Once the monitor is powered on and the camera is activated, the monitor should display an image, and the LED light on the camera should be solid blue, indicating a normal connection.
4. If pairing is needed (LED flashes quickly), press the micro switch three times to enter matching mode.

# Super Strong Solar Panel

Receive more sunlight from multiple angles.



Figure 5: Camera activation and LED status indicators.

## OPERATING INSTRUCTIONS

### Monitor Operation

- **Power On/Off:** Wave your hand in front of the monitor's gesture control sensor to turn it on or off. Alternatively, use the switch on the cigarette lighter adapter.
- **Automatic Mode:** When reversing, the camera will automatically activate and display for 30s/45s/60s/90s (selectable) before turning off.
- **Manual Mode:** In this mode, you can manually turn the camera on/off using the gesture sensor.
- **Zoom Function:** The monitor supports 0.5X zoom to magnify images.
- **Multi-Camera Support:** If you have a second camera, you can switch between camera channels.

# Two Installation Methods of Monitor



Figure 6: Monitor work modes and gesture control.

## Settings Adjustment

Access the monitor's menu to adjust various settings:

- **Image Orientation:** Switch between "normal" and "mirror" modes to match camera installation (front or rear).
- **Display Settings:** Adjust contrast, brightness, and other visual parameters.
- **Reversing Line:** Customize the width of the reversing line, move it up/down, or disable it.

## CHARGING THE CAMERA

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The YIMU WX8310D camera offers flexible charging options:

- **Solar Charging:** The integrated solar panel charges the camera battery when exposed to sunlight. Ensure the panel receives adequate sunlight for optimal charging.
- **USB Type-C Charging:** For situations with insufficient sunlight (e.g., cold, rainy days, or prolonged indoor storage), use the provided USB Type-C cable to charge the camera. The charging port is located at the bottom of the license plate frame.
- **Car Charger:** The camera can also be charged using a car charger.

# Easy Installation



Figure 7: Solar panel and USB-C charging port on the camera.

## MAINTENANCE

- **Cleaning:** Regularly clean the camera lens and monitor screen with a soft, damp cloth to ensure clear visibility. Avoid abrasive cleaners.
- **Solar Panel:** Keep the solar panel clean and free of dirt, snow, or debris to maximize charging efficiency.
- **Battery Health:** While the camera is designed for solar charging, if stored for long periods without sunlight, ensure to charge it via USB-C periodically to maintain battery health.
- **Weather Protection:** The camera is IP69K waterproof, but extreme temperatures outside the operating range (-22°F to 176°F) should be avoided if possible.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none"> <li>◦ Monitor not powered on.</li> <li>◦ Camera not activated or low battery.</li> <li>◦ Camera and monitor not paired.</li> <li>◦ Signal interference.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Ensure monitor is powered via cigarette lighter and gesture sensor is activated.</li> <li>◦ Check camera LED status. Activate camera via micro switch. Charge camera if battery is low.</li> <li>◦ Follow pairing instructions (press micro switch 3 times).</li> <li>◦ Relocate monitor slightly to reduce interference.</li> </ul>
Camera not charging via solar	<ul style="list-style-type: none"> <li>◦ Insufficient sunlight.</li> <li>◦ Solar panel is dirty or obstructed.</li> <li>◦ Battery issue.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Park in direct sunlight.</li> <li>◦ Clean the solar panel.</li> <li>◦ Charge the camera via USB Type-C cable. If issue persists, contact support.</li> </ul>
Image quality is poor/blurry	<ul style="list-style-type: none"> <li>◦ Dirty camera lens.</li> <li>◦ Poor signal.</li> <li>◦ Low light conditions.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Clean the camera lens.</li> <li>◦ Ensure antenna is properly connected to the monitor.</li> <li>◦ The camera has enhanced low-light performance, but extreme darkness may still affect clarity.</li> </ul>

## SPECIFICATIONS

Feature	Detail
Model Number	WX8310D
Display Technology	LCD
Screen Size	5 Inches
Video Capture Resolution	1080p
Wide Angle Lens	150°
Waterproof Rating	IP69K
Operating Temperature	-22°F to 176°F (-30°C to 80°C)
Power Source	Solar, USB Type-C, Car Charger
Batteries	1 Lithium Metal battery (included)
Product Dimensions	13.27 x 7.87 x 1.38 inches
Item Weight	1.7 pounds

## WARRANTY AND SUPPORT

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YIMU is dedicated to providing reliable products. For any questions, technical support, or warranty claims, please contact YIMU customer service through the retailer's platform or the official YIMU website. Please have your model number (WX8310D) and purchase information ready when contacting support.

For more information about YIMU products, visit the [YIMU Store on Amazon](#).

