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› [VASTEND](#) /

› [VASTEND VS-7A Wireless Solar Backup Camera System User Manual](#)

## VASTEND VS-7A

# VASTEND VS-7A Wireless Solar Backup Camera System User Manual

Model: VS-7A | Brand: VASTEND

## 1. PRODUCT OVERVIEW

The VASTEND VS-7A is a state-of-the-art wireless solar backup camera system designed for various vehicles including cars, RVs, trucks, trailers, and campers. It features a magnetic mount for easy installation, a 10,000 mAh battery, a 7-inch wireless monitor, and IP69 waterproofing for reliable performance in all conditions. This system aims to provide reliable vision for safer drives.



Image: The VASTEND VS-7A Wireless Solar Backup Camera System, showing the 7-inch monitor and the solar-powered magnetic camera.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

# The Package Including



1\* Monitor



1\* Camera



1\* Sunshade



1\* U-bracket



1\* Power Cable



1\* USB Type-C Cable



3\* Antennas



1\* Instruction



1\* Screw Set



1\* Cigarette Lighter Adapter

Image: This image displays all components included in the VASTEND VS-7A package: 1 Monitor, 1 Camera, 1 Sunshade, 1 U-bracket, 1 Power Cable, 1 USB Type-C Cable, 3 Antennas, 1 Instruction Manual, 1 Screw Set, and 1 Cigarette Lighter Adapter.

- 1 x 7-inch Monitor
- 1 x Wireless Solar Backup Camera
- 1 x Sunshade
- 1 x U-bracket
- 1 x Power Cable
- 1 x USB Type-C Cable
- 3 x Antennas
- 1 x Instruction Manual
- 1 x Screw Set
- 1 x Cigarette Lighter Adapter

## 3. SETUP AND INSTALLATION

## 1-Minute Easy Installation

The VASTEND VS-7A system is designed for quick and easy DIY installation without the need for drilling or complex wiring.

# 1 Minute Easy Installation



## Step 1

VS-7AC magnetic wireless backup camera can firmly absorb on many metal surface.



## Step 2

Mount the monitor to the dashboard and plug in the cigarette lighter adapter.

Image: This image illustrates the two simple steps for installing the VASTEND VS-7A system. Step 1 shows the magnetic camera attaching to a metal surface on the rear of a truck. Step 2 shows the monitor being mounted on the dashboard and plugged into the cigarette lighter adapter inside a vehicle.

### 1. Step 1: Camera Mounting

Attach the VS-7A magnetic wireless backup camera firmly to any metal surface on the rear of your vehicle. The integrated magnetic base ensures a secure fit without the need for drilling or additional wiring.

### 2. Step 2: Monitor Setup

Mount the 7-inch monitor to your dashboard using the provided U-bracket. Plug the monitor's power cable into your vehicle's cigarette lighter adapter. The system will automatically pair.

## 4. OPERATING YOUR SYSTEM

### Powering the Camera

The camera is equipped with a high-capacity 10,000 mAh battery, providing over 30 hours of continuous operation on a single full charge. It supports multiple convenient charging methods:

# 10000mAh Large Capacity

A single full charge can be used for up to 30 hours.



## Multiple Power Supply Options

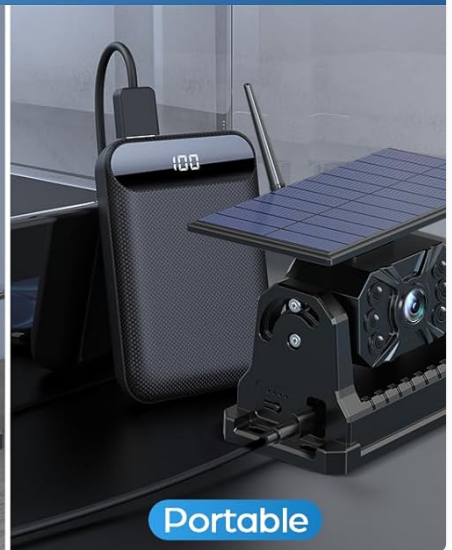


Image: This image demonstrates the multiple power supply options for the VASTEND VS-7A camera. It shows the camera being charged in a car, at home via a wall adapter, and portably with a power bank. The camera features a 10,000 mAh battery for extended use.

- **Solar Charging:** The integrated large-area solar panel efficiently captures sunlight to maximize charging efficiency.
- **In-Car Charging:** Use the provided cables to charge the camera directly from your vehicle's power source.
- **Home Charging:** Charge the camera using a standard USB wall adapter.
- **Portable Charging:** Connect to a power bank for charging on the go.

## Monitor Functions

The 7-inch monitor provides a clear and wide display of the camera feed. It features intuitive touch keys for easy navigation and settings adjustment.

# 7" Monitor with Touch Key



Image: This image shows the 7-inch monitor displaying both full-screen and split-screen views. It also indicates the wireless transmission range of 320ft between the camera and monitor, and suggests contacting support for adding a second camera.

- **Display Modes:** Switch between full-screen and split-screen views as needed.
- **Settings:** Access various settings such as brightness, contrast, and image orientation via the touch keys.

## Loop Recording

The integrated high-performance camera supports loop recording. To enable this feature, insert an SD card (up to 512GB, not included) into the monitor. This allows for continuous recording and convenient video playback.

## 5. KEY FEATURES

### 1080P Wireless Camera & Stable Transmission

The system utilizes a 1080P AHD image sensor and a 1080P color chip to reproduce true colors and provide a clear, wide-angle view behind your vehicle. It employs 2.4 GHz WiFi for stable, interference-free wireless transmission, effectively reducing the risk of traffic accidents. The signal can be transmitted over an open area of up to 500 meters (approximately 1640 feet).

## IP69 Waterproof & Super Night Vision

The camera boasts an IP69 waterproof rating, featuring upgraded sealing materials to withstand all weather conditions, from heavy rain to extreme temperatures.

### IP69 Waterproof & Infrared Night Vision Camera



Image: This image depicts the VASTEND VS-7A camera mounted on the rear of an RV in rainy conditions, highlighting its IP69 waterproof rating and 170-degree wide-angle view. Infrared LEDs are visible, indicating night vision capability. Additionally, it is equipped with infrared night vision LEDs that provide clear images even in complete darkness, ensuring safety during nighttime maneuvers.

### Image Modes

The monitor supports various image display modes to suit your preference and vehicle type:

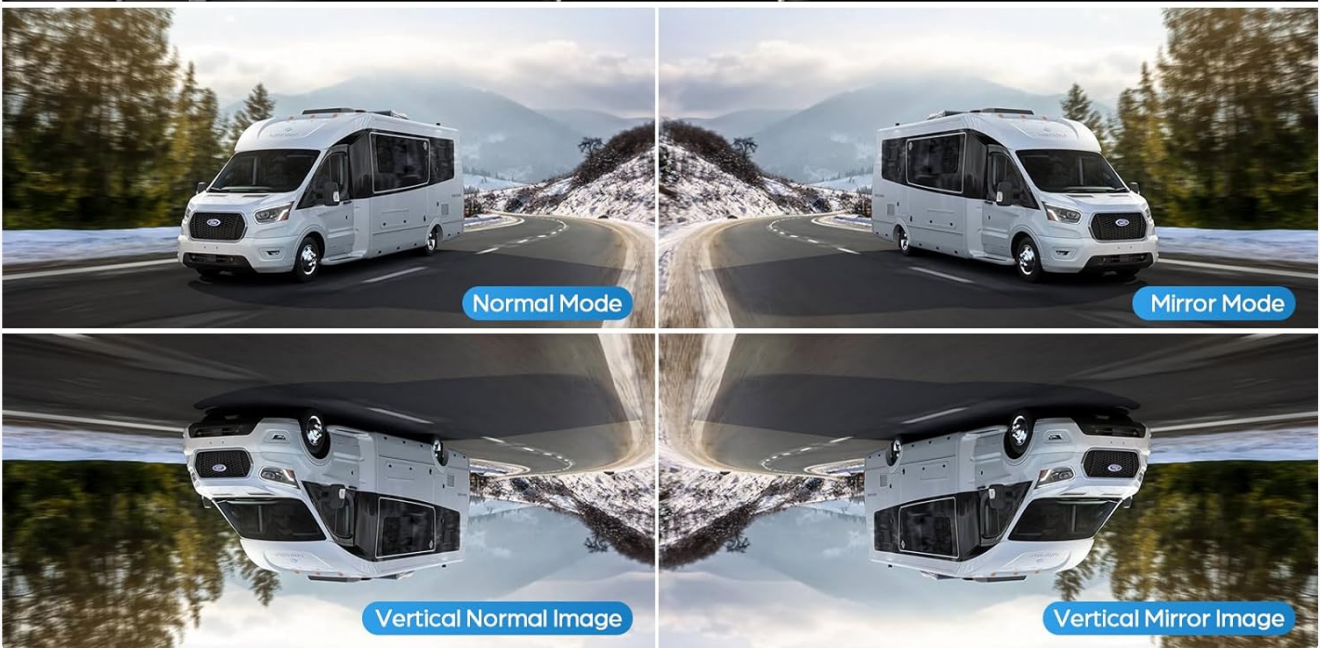


Image: This image displays the various image display modes available on the VASTEND VS-7A monitor: Normal Mode, Mirror Mode, Vertical Normal Image, and Vertical Mirror Image, allowing users to adjust the view as needed.

- **Normal Mode:** Standard view.
- **Mirror Mode:** Flips the image horizontally, useful for rearview applications.
- **Vertical Normal Image:** Flips the image vertically.
- **Vertical Mirror Image:** Flips the image both horizontally and vertically.

## 6. MAINTENANCE

To ensure optimal performance and longevity of your VASTEND VS-7A system, follow these maintenance guidelines:

- **Clean Camera Lens and Solar Panel:** Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure clear vision and efficient solar charging. Avoid abrasive cleaners.
- **Clean Monitor Screen:** Keep the monitor screen clean and free from dust and smudges using a microfiber cloth.
- **Check Connections:** Periodically inspect all cable connections to ensure they are secure and free from damage.
- **Storage:** When not in use for extended periods, store the system in a cool, dry place away from direct sunlight and

extreme temperatures.

## 7. TROUBLESHOOTING

If you encounter issues with your VASTEND VS-7A system, refer to the following common solutions:

Problem	Possible Solution
No image on monitor.	Check power connections to both the camera and monitor. Ensure the camera battery is charged. Verify wireless signal strength.
Image is blurry or distorted.	Clean the camera lens. Check for any physical obstructions. Ensure the camera is securely mounted and not vibrating.
Poor night vision.	Ensure infrared LEDs are not obstructed. Check for external light sources that might be interfering with the camera's night vision.
Signal interference or weak signal.	Ensure no other 2.4GHz devices are causing interference nearby. Reposition the camera or monitor if possible to improve the line of sight and signal path.

## 8. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	VASTEND
Model Number	VS-7A
Color	Camera Kit (VS-7A)
Screen Size	7 Inches
Display Technology	LCD
Installation Type	Magnetic Mount
Video Recording Resolution	1080p
Voltage	12 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Angle, Fixed
Real View Angle	170 Degrees
Product Dimensions	25L x 15W x 15H centimeters
Battery Capacity	10,000 mAh
Waterproof Rating	IP69

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## 9. WARRANTY AND SUPPORT

VASTEND is committed to providing high-quality products and excellent customer service. Your VS-7A Wireless Solar Backup Camera System comes with:

- **Two-Year Free Warranty Service:** Enjoy peace of mind with a comprehensive warranty covering manufacturing defects for two years from the date of purchase.
- **Lifetime Technical Support:** VASTEND offers lifetime technical assistance to help you with any questions or issues you may encounter with your product.

For any questions, technical support, or warranty claims, please contact us via the email address provided in your product's instruction manual. We are dedicated to ensuring your satisfaction.

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