

## VASTEND VS-7A

# VASTEND Magnetic Solar Wireless Backup Camera

Model: VS-7A

User Instruction Manual

## INTRODUCTION

The VASTEND Magnetic Solar Wireless Backup Camera System is designed to provide a clear and reliable rear view for various vehicles, enhancing safety and convenience during reversing and driving. Its innovative magnetic and solar-powered design ensures easy installation and long-lasting performance without complex wiring.

## SETUP

### Package Contents

Before beginning installation, please ensure all components are present:

- 1\* 7.0 Inch Monitor
- 1\* Magnetic Solar Camera
- 1\* Sunshade for Monitor
- 1\* U-bracket for Monitor
- 1\* Power Cable for Monitor
- 1\* USB to Type-C Cable for Camera
- 3\* Antennas
- 1\* Cigarette Lighter Adapter
- 1\* Mounting Screw Set
- 1\* Product Instruction

# 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: All components included in the VASTEND Magnetic Solar Wireless Backup Camera system package.

## Monitor Setup

Attach the U-shaped bracket to the monitor using the provided screws. The monitor can be mounted on your dashboard using the bracket. Connect the monitor to the cigarette lighter adapter for power. The monitor features touch keys for easy navigation.



Image: The VASTEND 7-inch monitor and magnetic solar camera components.

# 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: Visual guide for quick installation of the camera and monitor.

## Camera Setup

The magnetic solar camera can be firmly absorbed onto any metal surface of your vehicle. Ensure the surface is clean and free of debris for optimal magnetic adhesion. The base is wrapped with soft rubber to prevent scratches. Install the camera antenna by threading it through the designated port.

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Video: Instructions on how to install the U-shaped bracket and sunshade for the monitor.

## Powering On and Pairing

After connecting the monitor, briefly press the power button on the camera to turn it on. The monitor should automatically display the camera feed. If not, you may need to pair the devices. To pair, access the monitor's menu and select the 'Pairing' option. Follow the on-screen prompts.

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Video: Demonstrates how to pair a second backup camera to the monitor.

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Video: Guide on how to test the system before installation.

## SD Card Installation

The monitor supports DVR loop recording. To use this feature, insert an SD card (up to 512GB, not included) into the designated slot on the back of the monitor. You may need to loosen a small screw to access the slot. Format the SD card through the monitor's system settings before first use.

## OPERATING

### Monitor Functions and Settings

The 7-inch monitor provides a clear 1080P HD image. You can adjust various settings through the menu:

- **Image Settings:** Adjust brightness, contrast, and color saturation.
- **Mirror-Flip:** Flip the image horizontally or vertically to suit your viewing preference.
- **System Settings:** Configure language, time, and auto-sleep functions.
- **Recording:** Enable or disable loop recording.
- **Playback:** View recorded footage from the SD card.

# 7" Monitor with Touch Key

The diagram illustrates the monitor's capabilities. On the left, the monitor displays a 'Full Screen' mode with a settings menu for CAM1, including sliders for BRIGHTNESS, VOLUME, CONTRAST, and a toggle for RECORDER (ON/OFF). On the right, the monitor displays a 'Split Screen' mode showing two camera feeds side-by-side. Below these, a central monitor is shown connected to two cameras via 320ft cables. At the bottom, a white caravan and a white car are shown parked on a road.

**Full Screen**      **Split Screen**

320ft      320ft

If you need to add a second same camera for VS-7A system, please contact us.

Image: The 7-inch monitor supports full screen and split screen modes for up to two cameras.

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Video: Introduction to the 6 main functions of the Magnetic Wireless Backup Camera.

## Backup Guidelines

The monitor displays adjustable backup guidelines (P-Lines) to assist with precise maneuvering. These lines can be turned on or off via the system settings menu.

## Energy Saving System

When the monitor is turned off, the camera will automatically enter an energy-saving sleep mode to conserve battery life. This prolongs the battery's operational time and reduces the need for manual power management.

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Video: Demonstrates the automatic sleep mode feature of the VASTEND VS-7A Magnetic Backup Camera.

## Night Vision

The camera is equipped with infrared sensors for clear night vision, providing sharp black and white images in low-light conditions, enhancing safety during nighttime operations.

## MAINTENANCE

### Battery Charging

The camera features a built-in 10000mAh rechargeable lithium-ion battery. It can be charged via the 5V-2A USB Type-C charging cable. A full charge takes approximately 5 hours and provides up to 30 hours of use. The solar panel also continuously charges the battery when exposed to sunlight.

# 10000mAh Large Capacity

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



## Multiple Power Supply Options



Image: The 10000mAh large capacity battery with multiple power supply options.

## Waterproof and Durability

The camera is designed with IP69 waterproof performance, ensuring it functions reliably in various weather conditions, including rain, wind, and dust. It is built to withstand extreme temperatures ranging from  $-10^{\circ}\text{C}$  to  $65^{\circ}\text{C}$ .

# IP69 Waterproof & Infrared Night Vision Camera



Image: The camera's IP69 waterproof and infrared night vision capabilities.

## TROUBLESHOOTING

If you encounter any issues with your VASTEND backup camera system, please refer to the following common troubleshooting steps:

- **No Signal:** Ensure both the camera and monitor are powered on and fully charged. Check that the antennas are securely attached. Try re-pairing the camera and monitor through the monitor's settings.
- **Poor Image Quality:** Verify the camera lens is clean and free from obstructions. Adjust brightness, contrast, and saturation settings on the monitor. Ensure the camera is within the recommended 60ft range for optimal signal.
- **Recording Issues:** Confirm an SD card is inserted and properly formatted. Check if the SD card has sufficient free space. Ensure loop recording is enabled in the settings.
- **Battery Draining Quickly:** Verify the solar panel is clean and receiving adequate sunlight. Ensure the energy-saving sleep mode is functioning correctly.

For further assistance, please contact VASTEND customer support.

## SPECIFICATIONS

Feature	Specification
Product Dimensions	10.4 x 7.5 x 3.3 inches
Item Weight	3.94 pounds
Model Number	VS-7A
Display Technology	LCD
Screen Size	7 Inches
Video Capture Resolution	1080p
Voltage	12 Volts (DC)
Lens Type	Wide Angle
Real Angle of View	170 Degrees
Waterproof Rating	IP69
Operating Temperature	-10°C to 65°C
Battery Capacity	10000mAh

## WARRANTY AND SUPPORT

The VASTEND Magnetic Solar Wireless Backup Camera System comes with a 30-day money-back guarantee and a 2-year warranty. During this period, you will receive technical support and replacement services for any manufacturing defects or issues. For any inquiries or support, please refer to the contact information provided in your product packaging or visit the official VASTEND website.