

VASTEND VE-5A

VASTEND Wireless Backup Camera System

MODEL: VE-5A - USER MANUAL

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VASTEND Wireless Backup Camera System, Model VE-5A. This system is designed to enhance driving safety and convenience by providing a clear, real-time view of the area behind your vehicle. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage.

Product Features

- **Quick Installation:** The system is designed for a fast and straightforward installation, typically completed within 10 minutes. The display connects to the cigarette lighter, and the camera connects to the taillight or reverse light.
- **HD Image Quality:** Equipped with a 1080P CMOS image sensor, the camera delivers crisp, clear, and color-accurate video, reducing noise for optimal visibility.
- **Stable Signal Transmission:** Utilizes a powerful digital signal receiver and 2.4GHz WiFi frequency hopping technology to ensure stable, interference-free, and delay-free video transmission.
- **150° Wide Angle View & Parking Safety:** The wide-angle lens provides an expansive 150° view, effectively eliminating blind spots and significantly improving safety and ease during parking and reversing maneuvers.
- **IP69K Waterproof:** The camera features advanced nano-coating sealing technology, providing IP69K waterproofing. This ensures reliable operation in all weather conditions.
- **Infrared Night Vision:** Photosensitive night vision technology allows the camera to function effectively in extremely low-light conditions, providing clear images of objects in the dark for enhanced nighttime driving safety.
- **Wide Application:** Suitable for various small and medium-sized vehicles, including cars, vans, SUVs, pickups, and trucks.

Package Contents

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

- 1 x 5.0 Inch HD Monitor
- 1 x Wireless Camera
- 1 x Butterfly Bracket (for camera mounting)
- 1 x Camera License Plate Bracket
- 1 x Car Charger (for monitor)
- 1 x User Manual (this document)
- 2 x Power Cables (for camera wiring)
- 2 x Antennas (for monitor and camera)



Figure 1: All components included in the VASTEND Wireless Backup Camera System package.

Setup and Installation

Follow these steps for a quick and efficient installation of your VASTEND Wireless Backup Camera System.

1. Camera Installation

1. Choose your preferred mounting method for the camera: either using the license plate bracket or the butterfly bracket.
2. Securely attach the camera to the rear of your vehicle. Ensure the camera has a clear, unobstructed view.
3. Connect the camera's power cable to your vehicle's reverse light wiring. This allows the camera to activate automatically when the vehicle is put into reverse. Alternatively, for continuous monitoring, connect it to a constant 12V power source.

2. Monitor Installation

4. Attach the suction cup mount to the back of the 5-inch HD monitor.
5. Mount the monitor on your dashboard or windshield in a location that provides a clear view without obstructing your driving.
6. Plug the car charger into your vehicle's cigarette lighter socket. Connect the other end to the monitor's power input.



Figure 2: Simplified installation steps for the VASTEND Wireless Backup Camera System.

Quick Installation Within 10 Minutes



Figure 3: Visual guide for quick installation of the camera and monitor.

Operating Instructions

Once installed, operating your VASTEND Wireless Backup Camera System is straightforward.

1. Powering On/Off

- The monitor will automatically power on when your vehicle's ignition is turned on (if connected to a switched power source) or when the vehicle is put into reverse (if the camera is wired to the reverse light).
- To manually power on/off the monitor, use the designated power button usually located on the side or front panel.

2. Using the Backup Camera

- When the vehicle is shifted into reverse, the camera feed will automatically display on the monitor.
- The 150° wide-angle view provides a comprehensive perspective of the area behind your vehicle.
- Parking guidelines will appear on the screen to assist with accurate parking. These lines can often be adjusted or toggled on/off via the monitor's menu settings.

Adjustable Parking Line



Figure 4: Adjustable parking lines for precise maneuvering.

3. Night Vision

- The camera's infrared night vision automatically activates in low-light conditions, providing clear visibility even in complete darkness.

Super Night Vision

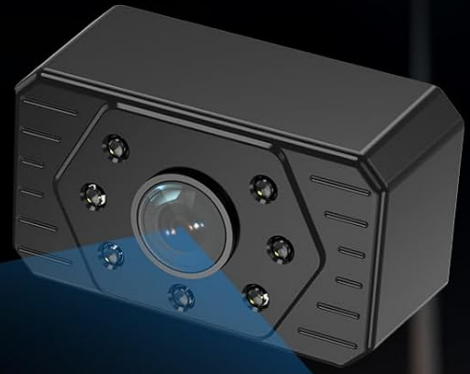


Figure 5: Enhanced visibility with Super Night Vision.

4. Monitor Settings

- Use the buttons on the monitor to access the menu and adjust settings such as brightness, contrast, and parking line display.
- The monitor may also offer options for mirroring the image or flipping it vertically, depending on your camera's mounting orientation.



Figure 6: Mirror image function for versatile viewing.

Maintenance

To ensure the longevity and optimal performance of your VASTEND Wireless Backup Camera System, follow these maintenance guidelines:

- **Regular Cleaning:** Keep the camera lens and monitor screen clean from dirt, dust, and water spots. Use a soft, damp cloth for cleaning. Avoid abrasive cleaners that could scratch surfaces.
- **Cable Inspection:** Periodically check all cables and connections for any signs of wear, fraying, or damage. Ensure connections remain secure.
- **Weather Protection:** Although the camera is IP69K waterproof, extreme weather conditions (e.g., heavy snow, ice, prolonged direct sunlight) can still affect performance. Ensure the camera is clear of snow and ice before driving.
- **Secure Mounting:** Regularly check that the camera and monitor are securely mounted and have not loosened due to vehicle vibrations or impacts.

IP69 Waterproof



150° Wide Angel



Figure 7: The camera's robust design withstands various environmental conditions.

Troubleshooting

If you encounter any issues with your VASTEND Wireless Backup Camera System, refer to the following common troubleshooting steps:

- **No Image on Monitor:**
 - Ensure the monitor is properly powered and turned on.
 - Check the connection between the monitor and the car charger.
 - Verify the camera is receiving power (e.g., if wired to reverse light, ensure vehicle is in reverse).
 - Confirm that the camera and monitor are paired correctly. Refer to the pairing instructions if necessary.

- Check for any physical obstructions between the camera and monitor that might interfere with the wireless signal.

• **Flickering or Unstable Image:**

- This could indicate signal interference. Try repositioning the monitor or camera slightly.
- Ensure both the camera and monitor antennas are securely attached and oriented for optimal reception.
- Check for other electronic devices in the vehicle that might be causing interference.

• **Poor Image Quality:**

- Clean the camera lens and monitor screen.
- Adjust the brightness and contrast settings on the monitor.
- Ensure the camera is not damaged or obstructed.

• **Parking Lines Incorrect:**

- Access the monitor's menu to adjust the parking lines as needed.

If these steps do not resolve the issue, please contact VASTEND customer support for further assistance.

Specifications

Feature	Detail
Brand	VASTEND
Model Number	VE-5A
Screen Size	5 Inches
Video Capture Resolution	1080p
Optical Sensor Technology	CMOS
Lens Type	Wide Angle, Fixed
Real Angle of View	150 Degrees
Installation Type	Surface Mount
Voltage	24 Volts (compatible)
Waterproof Rating	IP69K
Product Dimensions	21L x 14W x 10H Centimetres
Country/Region of Origin	China
GTIN / UPC	607607863955

Warranty and Support

VASTEND offers a two-year warranty for the Wireless Backup Camera System, Model VE-5A. Additionally, lifetime technical support is provided to ensure your satisfaction and assist with any questions or concerns you may have. For warranty claims, technical assistance, or any inquiries, please refer to the contact information provided in the manual included in your product package or visit the official VASTEND website.

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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.

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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