

VASTEND VE-V01

VASTEND V01 Wireless Backup Camera User Manual

Model: VE-V01

1. INTRODUCTION

The VASTEND V01 Wireless Backup Camera system is designed to enhance driving safety by providing a clear, wide-angle view of the area behind your vehicle. Featuring advanced wireless technology, a stable signal, and a durable, waterproof design, this system is ideal for various vehicles including RVs, 5th Wheels, Trucks, Trailers, Campers, Buses, and SUVs. The 1080P HD monitor and night vision capabilities ensure reliable performance in diverse conditions.

2. SAFETY INFORMATION

- Always ensure the camera and monitor are securely mounted and do not obstruct your view or interfere with vehicle controls.
- Do not attempt to install or service the system while the vehicle is in motion or the ignition is on.
- While the backup camera provides assistance, it is not a substitute for direct observation. Always check your surroundings manually before reversing.
- Ensure all wiring connections are properly insulated and protected from environmental elements to prevent short circuits or damage.
- Keep the camera lens clean for optimal image clarity.

3. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present and in good condition.

- 1 x HD Camera
- Installation Manual (included separately)

Note: The monitor and other accessories are typically part of a complete system. This manual specifically covers the single camera component.

4. PRODUCT FEATURES

- **Latest Wireless Technology & Stable Signal:** Upgraded dual-antenna design for superior stability and signal transmission up to 990 ft in open areas and 320 ft within vehicle range.

- **Easy Installation:** Designed for straightforward setup, including compatibility with RV Pre-Wired systems using an appropriate bracket and pigtail wire (not included with single camera).
- **IP69 Waterproof Night Vision Camera:** Highly durable and long-lasting with a 150-degree viewing angle for comprehensive coverage. Features night vision for clear visibility in low-light conditions.
- **1080P HD Output:** Provides high-definition video output to a compatible monitor for clear images.

5. SETUP AND INSTALLATION

This section provides general guidance for installing the VASTEND V01 Wireless Backup Camera. For detailed, step-by-step instructions, please refer to the dedicated installation manual provided with your complete system.

5.1 Choosing a Mounting Location

Select a location at the rear of your vehicle that provides an unobstructed view and allows for secure mounting. Common locations include above the license plate, on the bumper, or at the top rear of an RV or trailer.



Image: The VASTEND V01 Wireless Backup Camera, showing its robust design and antenna for signal transmission.

5.2 Power Connection

The camera requires a 12V-24V DC power source. It is typically wired to the vehicle's reverse lights, allowing it to activate

automatically when the vehicle is put into reverse. Alternatively, it can be connected to a constant power source for continuous observation.

5.3 Mounting the Camera

1. Secure the camera bracket to the chosen mounting surface using appropriate screws or fasteners.
2. Attach the camera to the bracket, ensuring it is firmly in place.
3. Adjust the camera angle to achieve the desired viewing perspective.



Image: Diagram illustrating compatibility with Furrion Pre-wired RVs, showing the camera, adapter, and pigtail wire for seamless integration.

5.4 Pairing with Monitor (if applicable)

If your system requires manual pairing, follow the instructions provided with your VASTEND monitor to establish a wireless connection with the camera.



Image: A VASTEND monitor mounted on a car dashboard, displaying the rearview with parking guidelines, indicating active operation.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- Once powered, the camera will automatically transmit video to the paired monitor.
- If connected to reverse lights, the camera will activate when the vehicle is shifted into reverse.

6.2 Monitor Functions (Refer to Monitor Manual)

The VASTEND V01 camera is designed to work with compatible VASTEND monitors. Monitor-specific functions may include:

- Switching between front view and rearview modes.
- Adjusting or customizing parking guidelines.
- Support for up to 4 cameras (additional cameras sold separately).
- Built-in recording function and loop recording (requires SD card, not included).

Wide Range of Application



Image: An infographic showing the wide range of applications for the VASTEND V01 camera, including use in RVs, campers, trailers, trucks, tractors, and pickup trucks.

7. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots. Avoid abrasive cleaners that could scratch the lens.
- **Waterproof Rating:** The camera has an IP69 waterproof rating, meaning it is protected against high-pressure, high-temperature jet sprays and is suitable for outdoor use in various weather conditions. However, avoid submerging the camera.
- **Cable Inspection:** Periodically inspect all cables and connections for signs of wear, damage, or corrosion. Ensure connections remain secure.
- **Storage:** If storing the vehicle for an extended period, ensure the camera and wiring are protected from extreme temperatures or physical damage.



Image: Trucks driving in hot, cold, and rainy conditions, symbolizing the camera's resilience to extreme temperatures and weather due to its IP69 waterproof rating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on monitor	No power to camera/monitor; Loose connection; Camera/monitor not paired; Signal interference.	Check power connections; Ensure all cables are securely connected; Re-pair camera and monitor; Reduce signal interference by checking for obstructions or other wireless devices.
Image is blurry or distorted	Dirty lens; Incorrect camera angle; Signal interference.	Clean the camera lens; Adjust camera angle; Check for strong signal and reduce interference.
Intermittent signal loss	Long distance between camera and monitor; Obstructions; Strong electromagnetic interference.	Ensure camera and monitor are within effective range; Minimize physical obstructions; Avoid placing near strong electromagnetic sources.
Night vision not clear	Dirty lens; Insufficient ambient light for IR sensors.	Clean the camera lens; Ensure no obstructions are blocking the IR LEDs.

9. SPECIFICATIONS

Feature	Specification
Model Number	VE-V01
Product Dimensions	11 x 8 x 3 inches
Item Weight	14.4 ounces
Display Technology	LCD (for compatible monitor)

Feature	Specification
Other Display Features	Wireless
Color	Black
Video Capture Resolution	1080p
Optical Sensor Technology	CMOS
Lens Type	Fixed, Wide Angle
Real Angle of View	150 Degrees
Waterproof Rating	IP69
Manufacturer	VASTEND
Country of Origin	China

10. WARRANTY AND SUPPORT

VASTEND provides a **two-year warranty** for the V01 Wireless Backup Camera. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any questions regarding your VASTEND product, please contact our customer service team. We are committed to providing high-quality products and enthusiastic service.

Please refer to the contact information provided in your product packaging or visit the official VASTEND website for the most up-to-date support details.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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