

## VASTEND VL-BSD

# VASTEND Wired Backup Camera Instruction Manual

Model: VL-BSD

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your VASTEND Wired Backup Camera. This camera is designed to be compatible with VASTEND VL-BSD-7A and VL-BSD-10A monitor systems, providing enhanced visibility and safety for your vehicle. Please read this manual thoroughly before use to ensure proper functionality and longevity of the product.

## PRODUCT FEATURES

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- **Blind Spot Pedestrian Detection:** The system can detect people or vehicles in proximity, issuing an audible alarm during reversing to mitigate collision risks. The monitored area is customizable.
- **Stable Signal Transmission:** Utilizes a wired connection to the monitor, ensuring consistent signal strength without interference, delays, or image degradation, even in varied environments.
- **IP69 Waterproof & IR Night Vision:** Engineered with an IP69 waterproof rating for resilience against heavy rain. Enhanced infrared night vision provides clear and detailed images in low-light conditions.
- **Wide Range of Applications:** Suitable for most medium to large vehicles, including motorhomes, caravans, and trailers.

## PACKAGE CONTENTS

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- 1 x VASTEND Wired Backup Camera
- Necessary wiring and mounting hardware (as supplied with the camera)



Image: The VASTEND Wired Backup Camera, a compact unit with a prominent lens, designed for vehicle rear visibility.

## SETUP

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### 1. Pre-Installation Check

1. Ensure all components listed in the package contents are present and undamaged.
2. Verify compatibility with your existing VASTEND VL-BSD-7A or VL-BSD-10A monitor system.
3. Disconnect the vehicle's battery before beginning installation to prevent electrical shorts.

### 2. Mounting the Camera

1. Select an appropriate mounting location on the rear of your vehicle that provides a clear, unobstructed view. Common locations include above the license plate or near the rear bumper.
2. Clean the mounting surface thoroughly.
3. Secure the camera using the provided mounting hardware. Ensure it is firmly attached and angled correctly for optimal viewing.

### 3. Wiring Connection

1. Route the camera's video cable from the mounting location to the monitor's input. Ensure the cable is protected from sharp edges, heat, and moving parts.
2. Connect the camera's power wire to a suitable power source. For automatic activation when reversing, connect it to the vehicle's reverse light circuit. For continuous power, connect it to a constant 12V power source.
3. Connect the video cable to the corresponding input on your VASTEND monitor.
4. Reconnect the vehicle's battery.

## OPERATING INSTRUCTIONS

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- **Power On:** The camera will activate automatically when the vehicle is shifted into reverse, or when the connected power source is active (depending on wiring configuration).
- **Viewing Feed:** The camera's video feed will display on your compatible VASTEND monitor.
- **Blind Spot Detection:** If your monitor system supports BSD, the camera will provide data for pedestrian and vehicle detection. Audible alerts will sound if an object is detected within the customizable monitored area.
- **Night Vision:** The infrared night vision feature will automatically engage in low-light conditions, providing clear images without user intervention.

## MAINTENANCE

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- **Cleaning the Lens:** 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.
- **Cable Inspection:** Periodically inspect the wiring for any signs of wear, fraying, or damage. Ensure all connections remain secure.
- **Mounting Security:** Check the camera's mounting periodically to ensure it remains firmly attached and has not shifted due to vibrations or impacts.
- **Waterproofing:** Despite its IP69 rating, avoid directing high-pressure water jets directly at the camera for extended periods during vehicle washing.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none"> <li>◦ Loose video cable connection</li> <li>◦ No power to camera</li> <li>◦ Incorrect monitor input selected</li> <li>◦ Damaged camera or cable</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check and secure all video cable connections.</li> <li>◦ Verify power supply to the camera. Check fuses if applicable.</li> <li>◦ Ensure the monitor is set to the correct camera input.</li> <li>◦ Contact VASTEND support if damage is suspected.</li> </ul>
Flickering or distorted image	<ul style="list-style-type: none"> <li>◦ Loose connection</li> <li>◦ Electrical interference</li> <li>◦ Low power supply</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check all cable connections.</li> <li>◦ Ensure proper grounding. Reroute cables away from high-voltage wires if possible.</li> <li>◦ Verify stable 12V power supply.</li> </ul>
Night vision not working	<ul style="list-style-type: none"> <li>◦ Infrared LEDs obstructed or damaged</li> <li>◦ Insufficient ambient light for activation</li> </ul>	<ul style="list-style-type: none"> <li>◦ Clean the camera lens and surrounding area. Inspect for physical damage.</li> <li>◦ Test in complete darkness to confirm automatic activation.</li> </ul>

Problem	Possible Cause	Solution
Blind Spot Detection not alerting	<ul style="list-style-type: none"> <li>Feature disabled on monitor</li> <li>Sensor obstructed</li> <li>Object outside detection zone</li> </ul>	<ul style="list-style-type: none"> <li>Refer to your VASTEND monitor manual to enable/configure BSD.</li> <li>Ensure camera lens is clean and unobstructed.</li> <li>Verify objects are within the configured detection area.</li> </ul>

## SPECIFICATIONS

Attribute	Detail
Brand	VASTEND
Model	VL-BSD
Part Number	VCC03-BKL1E
Compatible Devices	Monitor (VL-BSD-7A / VL-BSD-10A)
Special Features	Blind Spot Detection, IR Night Vision, IP69 Waterproof
Mounting Hardware	1* Wired Backup Camera (unit only)
Number of Items	1
Video Capture Resolution	1080p
Power Source Type	Corded Electric
Batteries Included	No
Batteries Required	No
Connector Type	Wired
Material Type	Single Camera
Mounting Type	Wired Cable / Surface Mount
Product Dimensions	27.94 x 10.16 x 7.62 cm; 40 g
ASIN	B0DNJTWZRW
Date First Available	Nov. 19 2024

## WARRANTY AND SUPPORT

VASTEND provides a free two-year warranty for this product. Additionally, lifetime technical service support is available to assist you with any questions or issues you may encounter.

For technical assistance or warranty claims, please contact VASTEND support at the email address provided in your product packaging or on the official VASTEND website.

## Related Documents

 <p>VASTEND M1 Wireless Backup Camera System with Touch Button Product Manual/Installation Instructions</p> <p>7 INCH HD 1080P UP TO 235FT</p> <p>Please read this manual thoroughly before operating the device. Keep it for future reference.</p>	<p><a href="#">VASTEND M1 Wireless Backup Camera System with Touch Button - Product Manual and Installation Instructions</a></p> <p>Comprehensive product manual and installation instructions for the VASTEND M1 Wireless Backup Camera System with Touch Button. Covers package contents, vehicle application, system testing, connection, monitor operation, and troubleshooting.</p>
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