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VASTEND VL-BSD



VASTEND VL-BSD Wired Backup Camera Instruction Manual

Model: VL-BSD

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your VASTEND VL-BSD Wired Backup Camera. This camera is designed to enhance driving safety by providing clear rear-view visibility and blind spot detection capabilities. It is compatible with VASTEND VL-BSD-7A and VL-BSD-10A monitors (monitor not included with this single camera product).



Image: Enhancing driving safety with reliable vision.

2. PRODUCT FEATURES



Image: VASTEND VL-BSD Wired Backup Camera unit.

- **Blind Spot Pedestrian Detection (BSD):** The camera system can detect people or vehicles in your blind spots while reversing. An audible alarm will sound to alert you to potential risks, helping to prevent collisions. The monitored area can be customized to suit your specific needs.
- **Stable Wired Signal Transmission:** Utilizing a wired connection, the camera ensures a stable signal free from interference by other wireless devices. This provides real-time, accurate visual feedback without delays, image distortion, or quality loss, whether on highways or in remote areas.
- **IP69 Waterproof & IR Night Vision:** Designed with an IP69 waterproof rating, the camera is protected against heavy rain and harsh weather conditions. Enhanced infrared night vision provides clear and detailed images in low-light environments, ensuring visibility in dim garages or at night.
- **Wide Range of Applications:** This backup camera is suitable for various medium to large vehicles, including motorhomes, caravans, and trailers.

3. INSTALLATION GUIDE

The VASTEND VL-BSD is a wired camera designed for permanent installation. Professional installation is recommended for optimal performance and safety.

3.1 Pre-Installation Checklist

- Ensure you have the compatible VASTEND VL-BSD-7A or VL-BSD-10A monitor.
- Gather necessary tools: drill, screwdrivers, wire cutters/strippers, electrical tape, cable ties.
- Familiarize yourself with your vehicle's wiring and routing paths.

- Disconnect the vehicle's battery before starting any electrical work.

3.2 Mounting the Camera

1. **Select a Location:** Choose a central location at the rear of your vehicle that provides an unobstructed view. Ensure the camera is securely mounted to prevent vibration.
2. **Drill Mounting Holes:** Mark and drill appropriate holes for the camera bracket and cable routing. Apply sealant around drilled holes to prevent water ingress.
3. **Secure the Camera:** Attach the camera firmly using the provided mounting hardware.

3.3 Wiring the Camera

4. **Route the Cable:** Carefully route the camera's wired cable from the mounting location to the monitor's installation point. Ensure the cable is protected from sharp edges, heat, and moving parts. Use cable ties to secure the wiring.
5. **Connect to Monitor:** Connect the camera's RCA connector to the corresponding video input on your VASTEND monitor.
6. **Power Connection:** Connect the camera's power wire to a suitable 12V DC power source, typically the vehicle's reverse light circuit, so the camera activates when reversing. Ensure all connections are secure and insulated.

After installation, reconnect the vehicle's battery and test the camera system to ensure proper functionality.

4. OPERATION

Once installed and connected to a compatible monitor, the VASTEND VL-BSD camera operates automatically when the vehicle is put into reverse.

4.1 Blind Spot Detection (BSD)

The BSD feature actively monitors the area behind and to the sides of your vehicle. When an object or person enters the predefined detection zones while reversing, the system will emit an audible alert through your monitor, providing an additional layer of safety.



Image: Visual representation of parking safety with blind spot detection.

4.2 Night Vision

The integrated infrared (IR) night vision automatically activates in low-light conditions, providing a clear and detailed image on your monitor. This ensures visibility even in dark environments such as unlit parking lots or during nighttime reversing maneuvers.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VASTEND VL-BSD camera.

- **Cleaning:** Periodically 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:** Routinely check the camera cable for any signs of wear, damage, or loose connections. Ensure all wiring remains securely fastened and protected.
- **Waterproof Rating:** The IP69 rating provides excellent protection against water and dust. However, avoid directing high-pressure water jets directly at the camera for extended periods.

6. TROUBLESHOOTING

If you encounter issues with your VASTEND VL-BSD camera, refer to the following common troubleshooting steps:

- **No Image on Monitor:**
 - Ensure the monitor is powered on and correctly selected to the camera's input channel.
 - Check all cable connections between the camera and the monitor for looseness or damage.
 - Verify the camera's power connection is secure and receiving 12V DC power when the vehicle is in reverse.
- **Flickering or Distorted Image:**
 - Inspect the video cable for any kinks, pinches, or damage.
 - Ensure connections are tight and free from corrosion.
 - Confirm the camera is receiving stable power.
- **Poor Night Vision:**
 - Clean the camera lens to remove any obstructions.
 - Ensure no external light sources are directly blinding the camera's IR sensors.
- **BSD Not Functioning:**
 - Refer to your monitor's manual for specific BSD settings and calibration.
 - Ensure the camera lens is clean and unobstructed.

If problems persist after attempting these steps, please contact VASTEND customer support.

7. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	VASTEND
Model	VL-BSD
Part Number	VCC03-BKL1E

Feature	Specification
Compatible Devices	VASTEND VL-BSD-7A / VL-BSD-10A Monitors
Video Capture Resolution	1080p
Power Source Type	Corded Electric
Connector Type	Wired (RCA)
Material Type	Single Camera
Lens Type	Wide Angle
Mounting Type	Wired Cable / Surface Mount
Optical Sensor Technology	CMOS Infrared
Optical Sensor Size	1/3 inch
Field of View	120 Degrees
Waterproof Rating	IP69
Product Dimensions	30.48 x 20.32 x 12.7 cm; 40 g
ASIN	B0DNJTWZRW

8. WARRANTY AND SUPPORT

VASTEND provides a free two-year warranty for this product, covering manufacturing defects and malfunctions under normal use. Additionally, lifetime technical service support is available to assist you with any questions or issues you may encounter.

For technical assistance, warranty claims, or any other inquiries, please refer to the contact information provided in the original product packaging or on the VASTEND official website.

**Absolutely
Trustworthy**

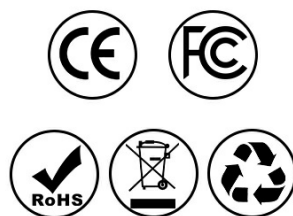


Image: Product compliance and quality certifications.