VECLESUS WM1

VECLESUS WM1 Wireless Backup Camera System User Manual

Model: WM1

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECLESUS WM1 Wireless Backup Camera System. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- Wireless Backup Camera (1)
- 4.3-inch Wireless Backup Camera Monitor (1)
- Monitor USB Power Cord (1)
- Car Monitor Bracket (1)
- Car Charger (1)
- Installation Accessories (straps, clamps, screws)
- Camera Power Cord (1)
- User Manual (1)

Figure 2.1: All parts included in the package.

3. PRODUCT FEATURES

- **Wireless Transmission Technology:** Utilizes optimized digital HD 1080P wireless transmission for reliable signal.
- **Wide Viewing Angle:** The camera provides a 149° viewing angle, displaying non-deformable images.
- **High Waterproof Rating:** The camera features an IP68 waterproof rating, ensuring functionality in various weather conditions.
- **Adjustable Parking Guidelines:** Offers six styles of parking guidelines that can be switched with one key or disabled via the monitor settings.
- **4.3-inch Monitor:** Compact TFT LCD panel monitor for clear display.

Vehicle Backup Cameras

VECLESUS is a technology-based energy company integrating R&D, production and sales.

Main business: Car reversing camera, driving and another safety camera.

The main products include high-definition large truck backup cameras, car backup cameras, RV backup cameras, dash backup, solar car equipment, AI camera equipment, etc., supporting OEM and ODM customization.

It has been for 23 years.

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VECLESUS-Vehicle Backup Cameras

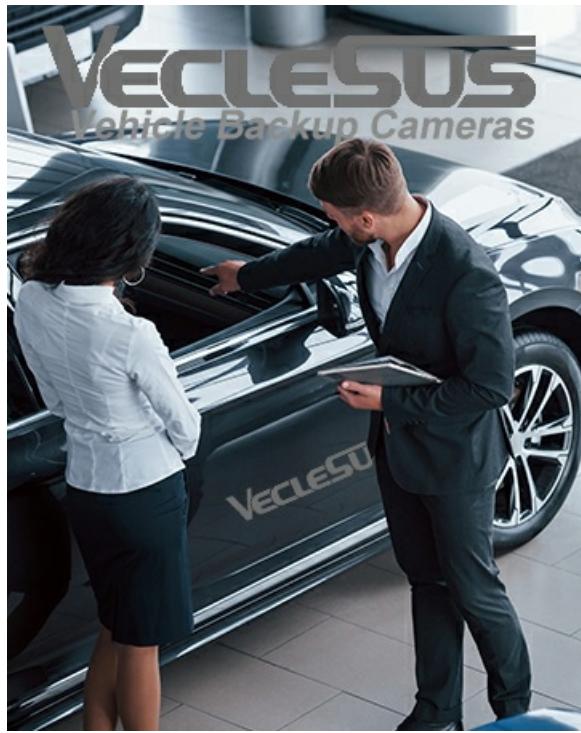Figure 3.1: Camera's 149-degree wide viewing angle.

Figure 3.2: IP68 waterproof camera design.

4. SETUP AND INSTALLATION

The VECLESUS WM1 system is designed for straightforward installation. For a detailed visual guide, refer to the official installation manual PDF or search for 'VECLESUS WM1' on YouTube for video tutorials.

4.1. Camera Installation

1. **Mounting:** The camera holder can be attached directly to the top of the license plate using the provided 3M adhesive, offering a drilling-free installation.
2. **Power Connection:** Connect the camera's red power wire to the vehicle's reversing (backup) light positive wire (12-24V). Connect the black wire to a ground (GND) point or an iron part of the vehicle chassis. Use a test pencil or multimeter to identify the reversing light wire.

Figure 4.1: Drilling-free camera mounting.

4.2. Monitor Installation

1. **Mounting:** The monitor can be mounted on the windshield or dashboard using the provided car monitor bracket.
2. **Power Connection:** Power the monitor using the car charger, plugging it into your vehicle's cigarette lighter socket (DC 12-24V). The car charger includes an additional USB port for charging other devices.

Figure 4.2: System connection diagram.

For further installation details, please refer to the officialInstallation Manual (PDF).

5. OPERATION

5.1. Basic Functionality

- Once the camera is powered by the reversing light and the monitor is powered via the car charger, the system will automatically activate when the vehicle is put into reverse.
- The monitor will display the live feed from the backup camera.

5.2. Adjusting Parking Guidelines

- The system offers six different styles of parking guidelines.
- Refer to the monitor's on-screen menu or physical buttons (if available) to cycle through guideline styles or to disable them.

6. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens and monitor screen with a soft, damp cloth. Avoid abrasive cleaners.
- **Cable Inspection:** Periodically check all cables and connections for wear, damage, or loose fittings.
- **Weather Protection:** While the camera is IP68 waterproof, ensure proper installation to prevent water ingress into electrical connections.

7. TROUBLESHOOTING

If you encounter issues with your VECLESUS WM1 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	Loose power connection to monitor or camera; Camera not receiving power from reversing light; Wireless signal interference.	Check all power connections. Ensure vehicle is in reverse. Verify camera power wiring. Relocate monitor or camera slightly to reduce interference.
Flickering or unstable image	Weak wireless signal; Electrical interference from vehicle systems.	Ensure no large metal objects are blocking the signal path. Check for proper grounding of the camera.

Problem	Possible Cause	Solution
Parking guidelines incorrect	Incorrect guideline style selected; Camera angle not optimized.	Adjust the parking guideline style through the monitor settings. Adjust the camera's vertical angle for optimal view.

8. SPECIFICATIONS

Feature	Detail
Model Number	WM1
Screen Size	4.3 Inches
Display Technology	LCD
Optical Sensor Technology	CMOS
Real Angle of View	149 Degrees
Voltage	12-24 Volts (Camera: 12-24V from reversing light; Monitor: 12-24V from car charger)
Waterproof Rating	IP68 (Camera)
Product Dimensions	7.91 x 5.07 x 4.29 inches (overall package)
Item Weight	1 pound

9. WARRANTY AND SUPPORT

VECLESUS offers the following support for your WM1 Wireless Backup Camera System:

- One-month money-back guarantee.
- One-year replacement warranty for product defects.
- Long-life customer service with responses typically within 24 hours.

For any inquiries or assistance, please contact VECLESUS customer support.