VOONOA VN-4K1036

VOONOA 4K RV Backup Camera System User Manual

Model: VN-4K1036 | Brand: VOONOA

1. Introduction

The VOONOA 4K RV Backup Camera System is designed to enhance vehicle safety and driving pleasure. It features a high-resolution 10.36-inch quad-split touch screen monitor paired with four 1080P Full HD cameras, offering comprehensive views for various large vehicles like RVs, trucks, trailers, and tractors.

Key Features:

- **4K Ultra HD 10.36" Touch Screen Monitor:** Provides sharper, cleaner, and more vivid views with a responsive touch interface.
- **Four 1080P Full HD Cameras:** Delivers high-definition video feeds for rear and side views.
- **Built-in Bluetooth:** Allows connection to mobile phones for music playback and hands-free calling.
- **Great Night Vision:** Equipped with infrared LED lights and light sensors for clear visibility up to 50 feet in complete darkness.
- **IP69K Waterproof Cameras:** Designed with full-glue sealing technology and waterproof covers for all connections, ensuring reliable performance in harsh weather conditions.
- **Built-in DVR & Loop Recording:** Records video from all four channels and automatically saves footage in case of an accident (does not record voice for privacy).
- **Adjustable Parking Assist Lines:** Enhances safety during backing up and parking maneuvers.
- **Wide Vehicle Adaptation:** Compatible with 12-36 volt DC power systems, suitable for RVs, trucks, trailers, buses, vans, tractors, and 5th wheels.



The complete VOONOA 4K RV Backup Camera System, including the 10.36-inch monitor and four 1080P cameras.

2. Package Contents

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

- 10.36 inch 4K touch screen monitor x 1
- 1080P rear / front view camera x 2
- 1080P side view camera x 2
- camera power & video cord x 4
- monitor power & video cord x 1
- Installation Kit (screws, tools)
- Upgraded Bracket x 4
- Power Cable
- Car Charger
- Suction Cup Mount

- Waterproof Insulating Electrical Tape
- User Manual
- 64GB TF Card



All components included in the VOONOA 4K RV Backup Camera System package.

3. Specifications

Feature	Detail
Product Dimensions	14 x 9 x 5 inches
Item Weight	10.12 pounds
Model Number	VN-4K1036
Screen Size	10.36 Inches

Display Technology	LED
Video Capture Resolution	1080p
Voltage	12-36V DC
Optical Sensor Technology	CMOS
Waterproof Rating	IP69K
View Angle	170 Degrees (Lens)
Night Vision Lux Rating	15 Lux
Installation Type	Surface Mount, Windshield Installation, Dashboard Installation
Color	Black (Wired System)

4. Setup and Installation

The VOONOA 4K RV Backup Camera System is designed for straightforward installation. It is a wired system, ensuring stable signal transmission. Professional installation is recommended for optimal performance and vehicle integration.

4.1. Monitor Installation

The 10.36-inch monitor offers multiple installation options to suit your vehicle's dashboard or windshield:

- **Stand Bracket:** For dashboard mounting.
- **Windshield Suction Cup:** For windshield mounting.
- **Hanger Bracket:** For overhead or custom mounting.

Connect the monitor power & video cord to the monitor and a suitable 12-36V DC power source in your vehicle.



Various mounting options for the 10.36-inch monitor.

4.2. Camera Installation

The system includes two rear/front view cameras and two side view cameras. Each camera connects directly to the monitor via its dedicated power & video cord. Ensure proper routing of cables to avoid interference and damage.

- Mount rear cameras at the back of the vehicle for optimal backup visibility.
- Mount side cameras on each side of the vehicle to cover blind spots.
- Utilize the provided upgraded brackets and installation kit for secure mounting.
- Ensure all connections are secure and use the waterproof insulating electrical tape for added protection against elements.



Strategic camera placement provides a 360-degree view around your vehicle.

5. Operating Instructions

5.1. Monitor Functions

The 10.36-inch monitor features a touch screen interface for easy navigation and control.



The 4K Ultra HD display provides a clear and detailed view.

5.2. Display Modes (Quad Split / Full Screen)

The monitor supports 4-channel HD real-time viewing, allowing you to display all four camera feeds simultaneously in a quad-split view, or select any single channel for a full-screen display. Use the touch screen to switch between modes.



Easily switch between 4-split view and full-screen display for individual cameras.

5.3. Bluetooth & MP5 Functionality

The built-in Bluetooth function allows you to connect your smartphone to the monitor for hands-free calls and music streaming. The MP5 function supports playing videos and music via a USB flash drive.



Connect your phone for calls and music, or play media from a USB drive.

5.4. DVR Recording & Local Playback

The integrated DVR function enables simultaneous recording from all four camera channels. Videos are automatically saved, especially in the event of an accident. You can play back recorded footage directly on the monitor.



Record and review footage from all four cameras with the built-in DVR.

5.5. Adjustable Parking Assist Lines

The monitor displays adjustable parking assist grid lines to aid in safer backing up and parking. These lines can be horizontally or vertically adjusted, turned on/off, or set to be always on.



Customize parking assist lines for precise maneuvering.

6. Maintenance

6.1. Cleaning

To maintain optimal performance and clarity, regularly clean the camera lenses and monitor screen. Use a soft, lint-free cloth. For stubborn dirt, a mild, non-abrasive cleaning solution designed for electronics can be used. Avoid harsh chemicals or abrasive materials that could scratch surfaces.

6.2. Weather Resistance

The cameras are IP69K waterproof, designed to withstand various extreme weather conditions, including heavy rain, snow, and extreme temperatures. While robust, ensure all cable connections are properly sealed with the provided waterproof covers and tape to prevent moisture ingress over time.



The cameras are built to endure harsh environmental conditions.

7. Troubleshooting

If you encounter issues with your VOONOA 4K RV Backup Camera System, please refer to the following common troubleshooting steps:

- **No Signal on Monitor:**
  - Check all cable connections between the cameras and the monitor to ensure they are securely plugged in.
  - Verify that the monitor is receiving power.
  - Inspect camera cables for any visible damage or kinks.
  - Ensure the camera lens is clean and free from obstructions.
- **Flickering or Intermittent Video:**
  - This often indicates a loose connection. Re-seat all video cables.
  - Check the power supply to the monitor and cameras for stability.

- Ensure there is no electromagnetic interference from other vehicle electronics.

- **Poor Image Quality (Blurry/Distorted):**
  - Clean the camera lens thoroughly.
  - Check if the camera is securely mounted and not vibrating.
  - Verify that the monitor's display settings are correctly configured.
- **Night Vision Not Working:**
  - Ensure the camera's infrared LEDs are not obstructed.
  - Check for sufficient power supply to the cameras.

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

8. Warranty and Support

VOONOA is committed to providing high-quality products and excellent customer service.

8.1. Product Warranty

The VOONOA 4K RV Backup Camera System comes with a **3-year replacement warranty**. This warranty covers manufacturing defects and malfunctions under normal use conditions.

8.2. Technical Support

VOONOA offers **unlimited technical support** for your product. If you have any questions regarding installation, operation, troubleshooting, or any other aspect of your system, please do not hesitate to contact our support team.

Refer to the contact information provided in your product packaging or on the official VOONOA website for the most current support channels.

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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

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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

Answered questions about this manual

What does the yellow fused power wire do and how is it different from the red unfused power wire for the VOONOA VN-4K1036? Should one be powered full time and the other be powered through the ignition?

The provided manual for the VOONOA VN-4K1036 4K RV Backup Camera System does not contain specific details about the wiring color codes (yellow fused, red unfused) or their intended connection points (constant power vs....

Read full answer