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› Nuoenx 10-inch Wireless HD 1080P Backup Camera System User Manual (Model W102)

## Nuoenx W102

# Nuoenx 10-inch Wireless HD 1080P Backup Camera System User Manual

Model: W102

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Nuoenx 10-inch Wireless HD 1080P Backup Camera System (Model W102). This system is designed to enhance visibility and safety for various vehicles, including trucks, RVs, and trailers, by providing stable, high-definition video feeds from up to four cameras to a 10-inch DVR monitor.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any components are missing or damaged, please contact Nuoenx customer service.



# Avoid Blind Spots

Start Your Safe and Ease Driving

**Figure 2.1: Package Contents.** This image displays the 10-inch monitor, two rear cameras, a Micro TF card, a sticker, three power cords, four antennas, a car charger, a fan-shaped bracket, a U-shaped bracket, an installation kit, and the instruction manual.

- 1 x 10-inch HD Monitor
- 2 x Wireless Rear Cameras
- 1 x Micro TF Card (32GB)
- 1 x Sticker
- 3 x Power Cords
- 4 x Antennas
- 1 x Car Charger
- 1 x Fan-shaped Bracket
- 1 x U-shaped Bracket
- 1 x Installation Kit (screws, tools)
- 1 x User Manual

### 3. PRODUCT FEATURES

The Nuoenx W102 system incorporates several features designed for reliable performance and ease of use:

- **Upgraded Wireless Signal System:** Utilizes 2.4G digital wireless transmission and an upgraded digital signal chip for stable 1080P HD images and videos.
- **10-inch HD DVR Monitor:** Provides a large, clear display for driving and reversing. Includes a built-in 32GB SD card for video recording, enhancing driving safety.
- **Four Camera Channels:** Supports up to four wireless cameras, allowing for single, dual, triple, or quad-view display options. (This system includes two cameras; additional cameras are sold separately).
- **Extended Signal Transmission:** Achieves over 300ft signal range in open areas, 50ft on vehicles for reversing, and 36ft for continuous use, suitable for various large vehicles.
- **Durable Camera Design:** Cameras feature an IP69K waterproof standard, ensuring operation in extreme weather conditions from -4°F to 176°F (-20°C to 80°C), preventing lens water or fog issues.
- **Easy Installation:** Digital wireless transmission simplifies the installation process, requiring minimal wiring.



Figure 3.1: System Overview. The 10-inch monitor and two wireless cameras, illustrating the core components of the system.



**Figure 3.2: Camera Durability.** This image highlights the camera's resistance to night conditions, snow, water, and dust, indicating its robust design for various environments.

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation of your Nuoex wireless backup camera system.

### 4.1 Camera Installation

1. **Mounting the Camera:** Choose a suitable location at the rear or side of your vehicle (truck, RV, trailer) that provides an unobstructed view. Secure the camera using the provided brackets and installation kit. Ensure the antenna is positioned for optimal signal reception.
2. **Powering the Camera:** Connect the camera to a 12V-24V power source.
  - For **continuous monitoring**, connect the camera's red wire to a continuous power source (e.g., running lights, auxiliary power). Connect the black wire to a ground point.
  - For **reversing only**, connect the camera's red wire to the reversing light's positive wire. Connect the black wire to a ground point.

# Easy Installation



**You can use the usb port to charge your phone.**



**Figure 4.1: Camera and Monitor Power Connection.** This image illustrates the wiring for the camera (red to positive 12-24V, black to ground) and the monitor powered by a car charger.

## 4.2 Monitor Installation

1. **Mounting the Monitor:** Attach the 10-inch monitor to your dashboard or windshield using the fan-shaped or U-shaped bracket. Adjust the angle for optimal viewing.
2. **Powering the Monitor:** Connect the monitor to your vehicle's cigarette lighter socket using the provided car charger. The monitor will power on automatically when the vehicle's ignition is turned on.

## 4.3 System Pairing

The cameras and monitor are typically pre-paired at the factory. If you experience no image or need to add an additional camera, follow the pairing instructions in the detailed manual provided in the package. Generally, this involves accessing the monitor's menu and selecting the pairing option while the camera is powered on.

# Stable Digital Wireless Signal for 128FT Long Distance



Semi-Trailer



Truck



Pickup



Travel Trailer



Camper



Bus

**Figure 4.2: Wireless Signal Range.** This diagram demonstrates the effective wireless signal transmission distance between the camera and monitor, suitable for large vehicles like semi-trailers.

## 5. OPERATING INSTRUCTIONS

Familiarize yourself with the monitor controls and display options.

### 5.1 Monitor Controls

The monitor features buttons for navigation and function control:

- **UP+/DOWN-:** Navigate menu options or adjust settings.
- **MENU:** Access the main menu for system settings.
- **SEL:** Confirm selections or switch display modes.
- **CH-:** Switch between camera channels (CAM1, CAM2, etc.).
- **POWER:** Turn the monitor on/off.

### 5.2 Display Modes

The monitor supports various display configurations:

- **Single View:** Displays one camera feed at a time. Use the CH- button to cycle through active cameras.
- **Dual View:** Displays two camera feeds simultaneously.
- **Triple View:** Displays three camera feeds simultaneously.
- **Quad View:** Displays all four camera feeds simultaneously (if four cameras are connected).



**Figure 5.1: Quad View Display.** This image shows the monitor displaying feeds from four cameras simultaneously, demonstrating the multi-camera support.

### 5.3 Parking Guide Lines

The monitor can display adjustable parking guide lines to assist with reversing. These can be toggled on or off via the monitor's menu settings.



**Figure 5.2: Parking Guide Lines.** This image illustrates the option to display or hide parking guide lines on the monitor, aiding in precise maneuvering.

### 5.4 Video Recording (DVR Function)

The built-in DVR function records video footage to the included 32GB Micro SD card. This feature provides continuous loop recording, overwriting the oldest files when the card is full. Ensure the SD card is properly inserted for recording functionality.

# 10" HD 1080P Loop Recording Monitor



**Figure 5.3: Loop Recording Monitor.** The monitor displays a rear view with guide lines, and below it, examples of recorded video footage from the DVR function.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your system.

- **Cleaning the Monitor:** Use a soft, dry cloth to clean the monitor screen. For stubborn smudges, a slightly damp cloth with a mild, non-abrasive cleaner can be used, then wipe dry immediately.
- **Cleaning the Cameras:** Periodically clean the camera lenses to ensure a clear view. Use a soft cloth and, if necessary, a small amount of lens cleaner. Avoid abrasive materials that could scratch the lens.
- **Cable Connections:** Regularly check all cable connections for tightness and signs of wear or corrosion. Ensure power cables are securely plugged in.
- **Antenna Position:** Verify that the camera antennas are securely attached and positioned for the best possible signal reception.
- **SD Card Management:** While the system supports loop recording, it is recommended to periodically back up important footage and format the SD card to maintain optimal recording performance.

## 7. TROUBLESHOOTING

If you encounter issues with your Nuoenx backup camera system, refer to the following common problems and solutions:

| Problem                       | Possible Cause                                                                                                                                | Solution                                                                                                                                                                                                                                      |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No image on monitor           | <ul style="list-style-type: none"><li>• Camera or monitor not powered.</li><li>• Poor wireless signal.</li><li>• Camera not paired.</li></ul> | <ul style="list-style-type: none"><li>• Check power connections for both camera and monitor.</li><li>• Ensure antennas are securely attached and unobstructed.</li><li>• Re-pair the camera with the monitor via the menu settings.</li></ul> |
| Image flickering or unstable  | <ul style="list-style-type: none"><li>• Weak wireless signal due to distance or interference.</li><li>• Loose antenna connection.</li></ul>   | <ul style="list-style-type: none"><li>• Relocate camera or monitor to reduce obstructions.</li><li>• Ensure antennas are tightened.</li><li>• Avoid placing near strong electromagnetic sources.</li></ul>                                    |
| Monitor not turning on        | <ul style="list-style-type: none"><li>• No power from cigarette lighter.</li><li>• Faulty power cable.</li></ul>                              | <ul style="list-style-type: none"><li>• Check vehicle's cigarette lighter fuse.</li><li>• Test power cable with another 12V source if possible.</li></ul>                                                                                     |
| No recording to SD card       | <ul style="list-style-type: none"><li>• SD card not inserted or faulty.</li><li>• SD card full (if loop recording is off).</li></ul>          | <ul style="list-style-type: none"><li>• Ensure SD card is correctly inserted.</li><li>• Format the SD card via monitor settings.</li><li>• Replace SD card if faulty.</li></ul>                                                               |
| Image is inverted or mirrored | Incorrect image setting.                                                                                                                      | Access monitor menu to adjust image flip/mirror settings.                                                                                                                                                                                     |

If the problem persists after attempting these solutions, please contact Nuoenx customer support for further assistance.

## 8. SPECIFICATIONS

Key technical specifications for the Nuoenx W102 Wireless Backup Camera System:

- **Brand:** Nuoenx
- **Model:** W102
- **Screen Size:** 10 Inches
- **Product Dimensions (Monitor):** 7"L x 1"W x 6"H
- **Item Weight:** 5.48 pounds (total system)
- **Compatible Devices:** Vehicle (Truck, RV, Trailer, etc.)
- **Installation Type:** Dashboard Mount, Surface Mount
- **Voltage:** 12-24 Volts
- **Optical Sensor Technology:** CMOS
- **Lens Type:** Wide Angle

- **Real Angle of View:** 152 Degrees
- **Connector Type:** Wireless (2.4G Digital)
- **Waterproof Rating (Camera):** IP69K
- **Batteries:** 3 Lithium Ion batteries required (included, likely for internal monitor clock/settings retention)

## 9. WARRANTY AND SUPPORT

Nuoenx provides customer support for its products. For warranty information, technical assistance, or to purchase additional accessories, please refer to the contact information provided in your product packaging or visit the official Nuoenx website. Please retain your proof of purchase for warranty claims.

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#### Details

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