

Haloview RD7

Haloview RD7 Wireless Long Range Backup Camera System Instruction Manual

Model: RD7 | Brand: Haloview

1. INTRODUCTION

The Haloview RD7 Wireless Long Range Backup Camera System is designed to provide a clear 720P HD image of the area behind your vehicle, enhancing safety during driving and parking. This system is suitable for a wide range of long-length vehicles, including RVs, Fifth Wheels, Travel Trailers, Motorhomes, Campers, and Buses. It features a 7-inch LCD digital monitor with a built-in recorder for real-time recording and video playback. The system utilizes integrated Frequency Hopping Technology to prevent interference, ensuring a stable signal without dropping or freezing at speeds up to 70mph. It supports 10-32V wide voltage input and up to 4 wireless camera inputs with a 130° wide viewing angle. An external range extender is included to boost signal range up to 1200 feet, overcoming obstacles for enhanced connectivity.

2. WHAT'S IN THE BOX

The Haloview RD7 system comes with all necessary components for installation and operation:

- 7" LCD Digital Monitor
- Wireless Camera (130° wide viewing angle, IP69K waterproof)
- TX-BOX (Wireless Transmitter/Range Extender)
- 12M Cable
- Cigarette Lighter Power Adapter
- Center Mount Bracket
- Adjustable Wiring Fixture
- BMW Connector Adapter
- 0.3M Cable
- Power cables and various adapters for different power connections.



Image 2.1: All components included in the Haloview RD7 Wireless Long Range Backup Camera System kit. This includes the monitor, camera, TX-BOX, various cables, and mounting hardware.

3. SETUP AND INSTALLATION

The Haloview RD7 system offers flexible installation options, including hardwiring or using a portable battery pack. The camera and TX-BOX can be powered via DC10-32V. For long vehicles, the TX-BOX acts as a repeater to ensure strong signal strength.

3.1 Powering the System

The camera and TX-BOX can be powered in two main configurations:

- **Power supplied next to TX-BOX:** The power source connects directly to the TX-BOX, which then powers the camera via a cable.
- **Power supplied next to camera:** The power source connects directly to the camera, and a cable runs from the camera to the TX-BOX.

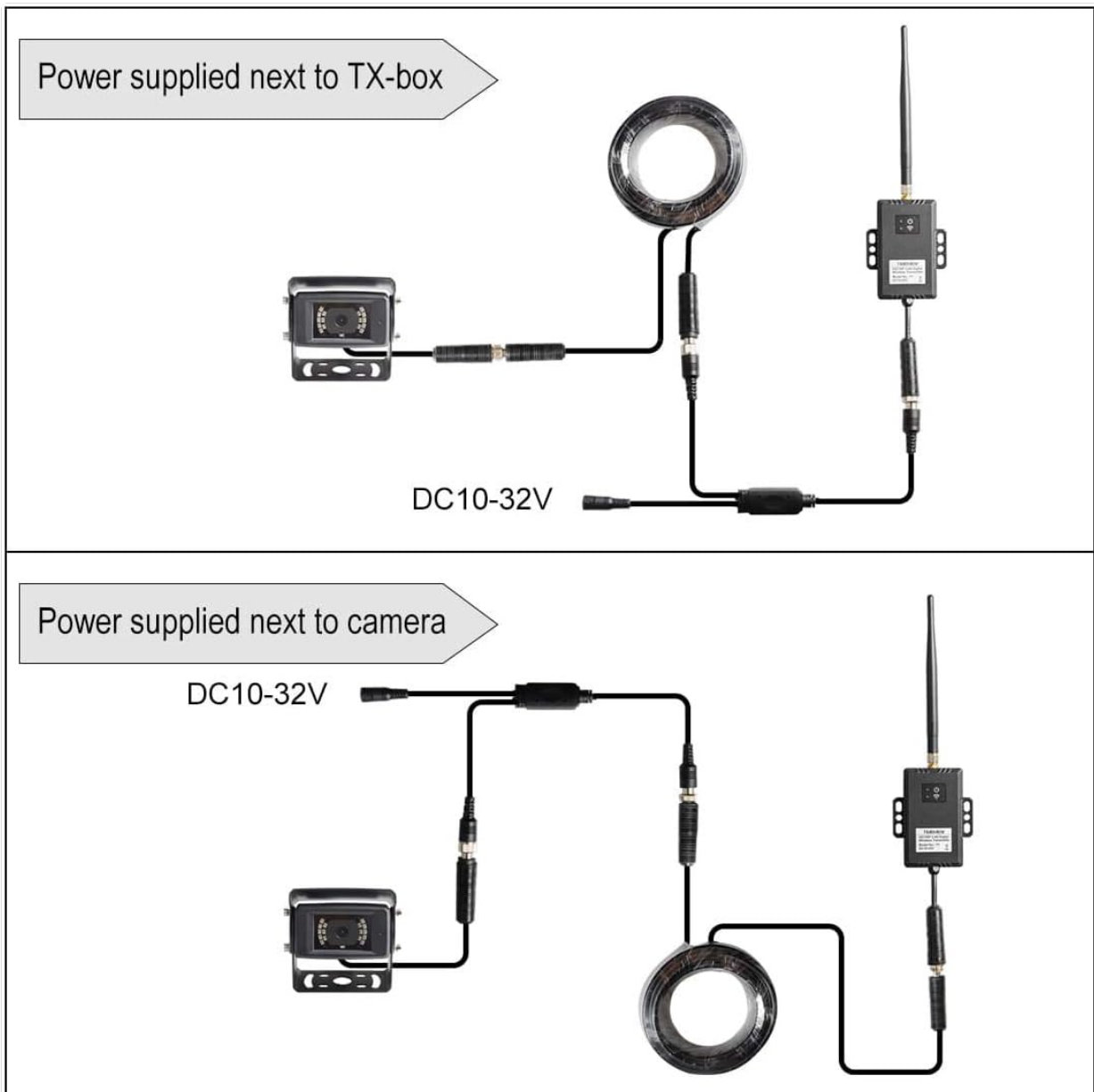


Image 3.1: Diagram illustrating two methods for supplying power to the Haloview RD7 system: either next to the TX-BOX or next to the camera, both utilizing DC10-32V.

3.2 Camera and TX-BOX Placement

For optimal long-range performance, position the camera at the rear of your vehicle and the TX-BOX closer to the front, typically above the front cap of a motorhome or near the towing vehicle.

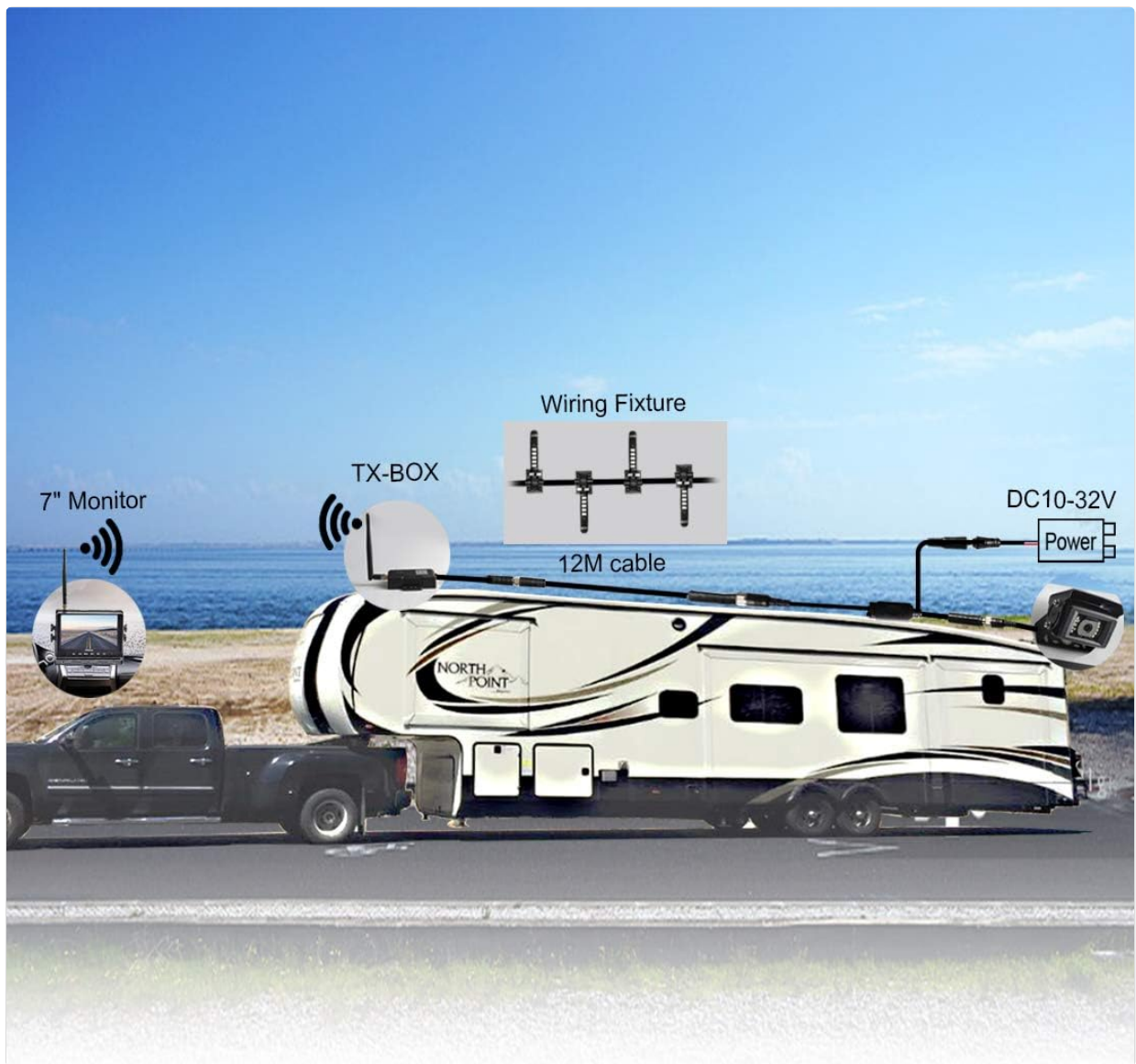


Image 3.2: Application diagram showing the placement of the 7" monitor in the towing vehicle, the TX-BOX on the RV roof, and the camera at the rear, connected by a 12M cable.

3.3 Monitor Installation

The 7-inch monitor can be mounted on the dashboard using the provided mounting bracket. The bracket includes a flat, two-sided tape option for secure attachment without drilling. The monitor's mount is adjustable, allowing you to set the desired viewing angle.

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Video 3.1: This video demonstrates the unboxing and installation process of the Haloview RD7 system, including mounting the monitor on the dashboard using two-sided tape and running cables on the RV roof. It highlights the system's long-range capabilities and waterproof camera design.

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Video 3.2: This video provides a detailed overview of the Haloview RD7 Wireless RV Backup Camera System, focusing on its installation, features, and user interface. It shows how to mount the camera and TX-BOX, connect power, and navigate the monitor's menu for various settings like pairing and parking lines.

4. OPERATING INSTRUCTIONS

The Haloview RD7 monitor features an intuitive menu system for easy operation:

- **Volume:** Adjust the audio from the camera's built-in microphone.
- **Picture:** Adjust brightness, contrast, and color settings.
- **Mirror:** Flip the camera view horizontally to match your preference (e.g., for rearview mirror functionality).
- **Q-Mode:** Split the screen to view multiple cameras simultaneously (supports up to 4 cameras).
- **Settings:** Access time, date, camera selection, video format (PAL/NTSC), and auto-dimming options.
- **Autoscan:** Scan for available cameras.
- **Park-Line:** Turn parking lines on/off or adjust their position.
- **Record:** Record footage to an SD card (not included).
- **Play:** Playback recorded videos.
- **Pairing:** Initiate the pairing process between the monitor and camera/TX-BOX.

Range up to 1200ft wirelessly line of sight



Perfect for wide variety of large vehicles, whether it's a 5th Wheel, Heavy Truck, Motorhome etc.



Image 4.1: The Haloview RD7 monitor displaying its main menu interface with icons for various functions like volume, picture settings, mirror, Q-mode, and system settings.

5. SPECIFICATIONS

Feature	Specification
Brand	Haloview
Screen Size	7 Inches
Compatible Devices	Monitor
Installation Type	Dashboard Mount, Surface Mount
Voltage	10-32 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Viewing Angle
Real Angle of View	130 Degrees
Connector Type	Wireless
Display Technology	LCD
Video Capture Resolution	720p
Waterproof Rating	IP69K
Wireless Range (Line of Sight)	Up to 1200 feet

6. TROUBLESHOOTING

- **No Signal/Intermittent Signal:** Ensure the camera and TX-BOX are properly powered and paired. Check for obstructions between the camera, TX-BOX, and monitor. The external range extender (TX-BOX) is designed to improve signal over long distances.
- **Poor Night Vision:** Verify that the camera's night vision feature is active. External light sources (like headlights from other vehicles) can sometimes interfere with night vision clarity.
- **Power Issues:** Confirm that the power source (DC10-32V) is providing adequate and consistent voltage. For newer trucks with LED lights, an adapter might be necessary if the 12V signal is not constant.
- **Camera Failure:** If the camera fails, check all connections and power supply. Contact customer support if the issue persists.

7. WARRANTY AND SUPPORT

The Haloview RD7 Wireless Long Range Backup Camera System is covered by the manufacturer's warranty. For specific warranty details, product support, or technical assistance, please refer to the official Haloview website or contact their customer service directly. Keep your purchase receipt for warranty claims.
