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eRapta 2 Magnetic Wireless Reversing Camera Kit

eRapta 2 Magnetic Wireless Reversing Camera Kit 10-inch IPS Monitor User Manual

Model: 2 Magnetic Wireless Reversing Camera Kit

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your eRapta 2 Magnetic Wireless Reversing Camera Kit with a 10-inch IPS Monitor. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

2. Product Overview

2.1. Components

The eRapta 2 Magnetic Wireless Reversing Camera Kit includes the following items:

- 10.1-inch IPS Monitor
- U-shaped Bracket for Monitor
- Sun Visor for Monitor
- 2 x Wireless Cameras
- Type-C Charging Cables (for cameras)
- Antennas (for cameras and monitor)
- Fan-shaped Bracket (alternative monitor mount)
- Car Charger (for monitor)
- Mounting Kit (screws, adhesive pads)
- Power Cable (for monitor)

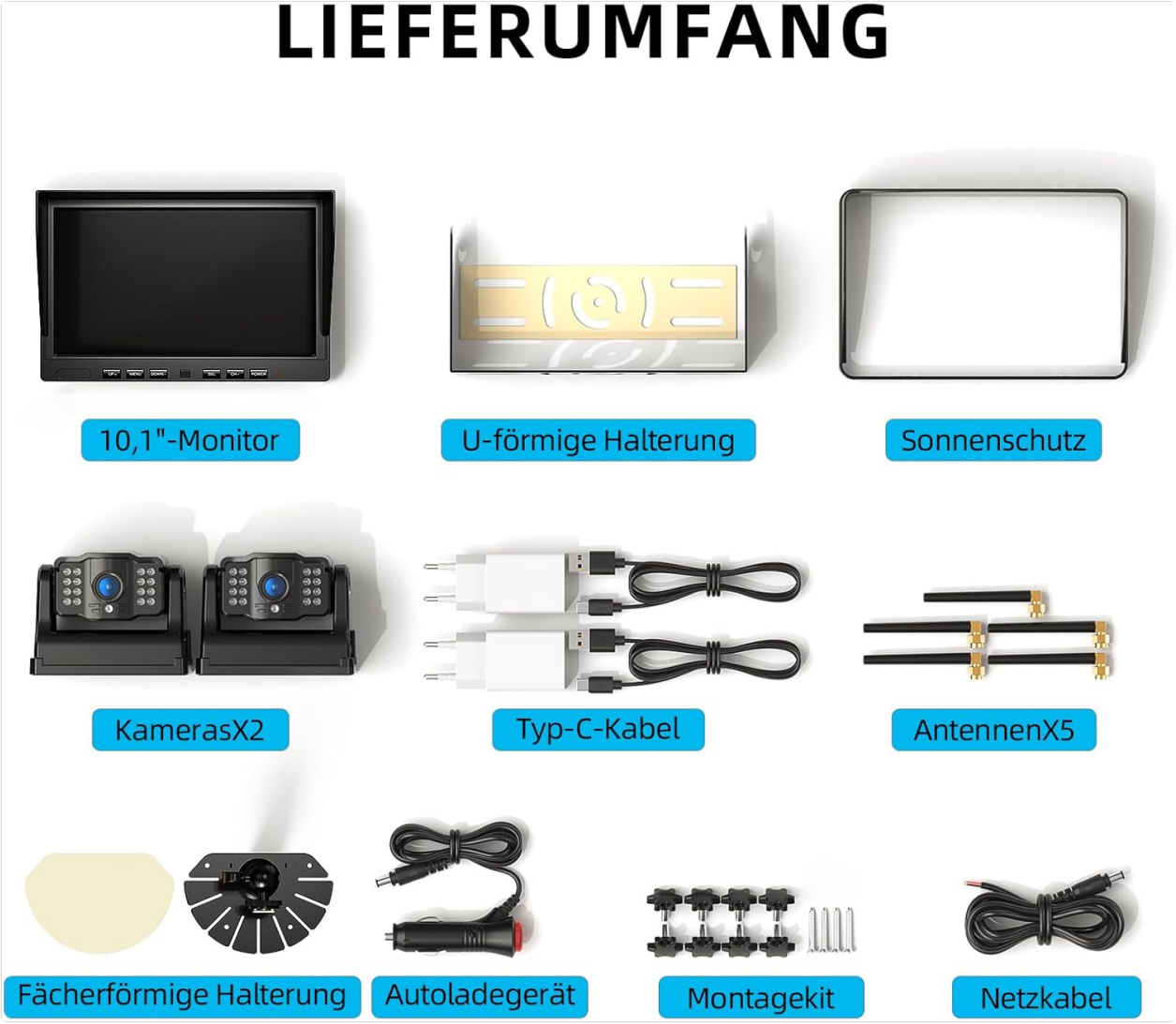

Image: All components included in the eRapta 2 Magnetic Wireless Reversing Camera Kit, showing the monitor, two cameras, various mounting brackets, cables, and antennas.

2.2. Key Features

- **Portable 1-Minute Installation:** Strong magnetic base allows attachment to any metal surface without wiring. Rubber wrap prevents paint scratching.
- **10.1-inch IPS Large Monitor:** Provides vivid and clear images, reducing visual blind spots. Supports split screen and full screen modes.
- **High Capacity Battery:** Built-in 9600mAh battery in each camera for extended operation. Charges via Type-C cable.
- **Low Power Consumption & Sleep Mode:** Cameras automatically enter sleep mode when the monitor is off and activate when the monitor turns on.
- **Dual-Antenna & Wireless Digital Signal:** Upgraded signal chip and dual antennas ensure stable 2.4GHz wireless transmission up to 320ft in open areas, 40ft on vehicles.
- **Upgraded 1080P Image & Loop Recording:** Sunrest sensor provides 1080P high-definition images. Supports loop recording for continuous video capture.
- **IP69K Waterproof & 150° View Angle:** Cameras are IP69K rated for water resistance with a sealed charging port. Adjustable angle screw design provides a 150° wide view.

Image: The eRapta 2 Magnetic Wireless Reversing Camera Kit, featuring the 10.1-inch IPS monitor and two magnetic wireless cameras mounted above it.

3. Setup and Installation

3.1. Camera Installation

1. **Charge Cameras:** Before first use, fully charge both cameras using the provided Type-C cables and chargers. The charging port is sealed for waterproofing.
2. **Attach Camera:** The camera features a strong magnetic base. Simply attach it to any suitable metal surface on your vehicle (e.g., rear bumper, trailer hitch). The rubber wrap material helps prevent scratching the vehicle's paint. No drilling or complex wiring is required.

Image: Step 1 of installation, showing the camera being magnetically attached to a metal surface. The image highlights the magnetic base and the ease of attachment and removal.

3.2. Monitor Installation and Power

1. **Mount Monitor:** Secure the 10.1-inch IPS monitor using either the U-shaped bracket or the fan-shaped bracket. Position it for optimal viewing without obstructing your driving view.
2. **Connect Power:** Plug the monitor's power cable into the provided car charger, then insert the car charger into your vehicle's cigarette lighter socket.
3. **Power On:** Turn on the monitor. The cameras will automatically activate from sleep mode when the monitor is powered on.

Image: Step 2 of installation, illustrating how to power the monitor by plugging the car charger into the vehicle's cigarette lighter socket.

3.3. Signal Connection

The system utilizes a 2.4GHz wireless digital signal with dual antennas for stable transmission. Ensure both the cameras and monitor have their antennas securely attached and are within effective range (approximately 40ft on a vehicle) for optimal performance.

Image: Diagram illustrating the 2.4GHz wireless signal transmission between the camera and monitor, highlighting the dual antenna design for stable connection. Various vehicle types (trailer, truck, RV, camper) are shown to demonstrate compatibility.

4. Operating Instructions

4.1. Monitor Functions

- **Power Button:** Turns the monitor on or off.
- **Menu Button:** Accesses monitor settings such as brightness, contrast, color, and recording options.
- **UP+/DOWN- Buttons:** Navigate through menu options or adjust settings.
- **SEL (Select) Button:** Confirms selections in the menu.
- **CH (Channel) Button:** Switches between camera views (Camera 1, Camera 2, Split Screen).

Image: The 10.1-inch IPS monitor displaying a clear road view, with its dimensions (10.1" diagonal, 6.5" height) indicated. The control buttons (UP+, MENU, DOWN-, SEL, CH, POWER) are visible at the bottom of the monitor.

4.2. Camera Operation

- **Automatic Activation:** Cameras automatically power on when the monitor is turned on and enter sleep mode when the monitor is off, conserving battery.
- **Adjustable Angle:** The camera's viewing angle can be adjusted using the screw design to achieve the desired 150° wide view.
- **Night Vision:** The cameras are equipped with night vision capabilities for clear visibility in low-light conditions.
- **Image Reversal:** The system supports image reversal, allowing you to view the camera feed as a mirror image or normal view, suitable for front or rear mounting.
- **DIY Parking Lines:** Customizable parking guidelines can be adjusted on the monitor to assist with precise maneuvering.

Image: A collage demonstrating key camera features: image reversal options, night vision capability, IP69K waterproof rating (camera submerged in water), and adjustable DIY parking lines for width, up/down position, and height.

4.3. Loop Recording

The system supports loop recording. When enabled, the monitor continuously records video from the cameras. Once the storage card (not included) is full, the oldest footage will be overwritten by new recordings. You can play back recorded videos directly on the monitor.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the monitor screen and camera lenses. For stubborn dirt, a slightly damp cloth can be used. Avoid abrasive cleaners or solvents.
- **Water Resistance:** The cameras are IP69K waterproof. Ensure the Type-C charging port cover is securely closed when not charging to maintain water resistance.
- **Battery Care:** For optimal battery life, avoid fully discharging the cameras frequently. Charge them regularly. Store the cameras in a cool, dry place when not in use for extended periods.
- **Temperature Range:** The cameras are designed to withstand temperatures from -6°F to 151°F.

Image: An internal view of the eRapta camera, highlighting the 9600mAh battery capacity and the Sunrest processor, which contributes to low power consumption. The Type-C charging port is also visible.

6. Troubleshooting

- **No Image on Monitor:**
  - Ensure the monitor is powered on and connected to a working power source.
  - Verify cameras are charged and powered on (they activate with the monitor).
  - Check that antennas are securely attached to both cameras and the monitor.
  - Reduce the distance between the camera and monitor, or reposition them to avoid signal interference.
- **Poor Image Quality:**
  - Clean the camera lens and monitor screen.
  - Adjust monitor brightness, contrast, and color settings via the menu.
  - Ensure there are no obstructions between the camera and monitor that could interfere with the wireless signal.

- **Camera Not Charging:**
  - Ensure the Type-C cable and charger are properly connected and functional.
  - Check the charging port for any debris.
- **Monitor Not Responding:**
  - Try restarting the monitor by disconnecting and reconnecting its power source.

7. Specifications

- **Brand:** eRapta
- **Display Size:** 10.1 Inches
- **Effective Still Resolution:** 1080 Pixels
- **Screen Size:** 10.1 Inches
- **Real Angle of View:** 150 Degrees
- **Field of View:** 150 Degrees
- **Camera Battery Capacity:** 9600mAh (per camera)
- **Wireless Frequency:** 2.4GHz
- **Wireless Range (Open Distance):** Up to 320ft
- **Wireless Range (On Vehicle):** Approximately 40ft
- **Waterproof Rating:** IP69K
- **Operating Temperature:** -6°F to 151°F

8. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official eRapta website. Please have your product model and purchase date available when contacting support.