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> eRapta Wireless Backup Camera ACT501 User Manual

## eRapta ACT501

# eRapta Wireless Backup Camera User Manual

Model: ACT501

## 1. INTRODUCTION

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The eRapta ACT501 Wireless Backup Camera system provides a convenient and reliable solution for enhanced vehicle visibility. Featuring a 5-inch portable monitor and a magnetic, install-free camera, this system offers FHD1080P resolution, infrared night vision, and a 150° wide-angle view. It is designed for quick setup and is suitable for various vehicles including trailers, RVs, trucks, cars, and tractors.

Key features include a strong magnetic base for easy attachment, a 9600 mAh rechargeable battery for extended use, IP69K waterproof rating for all-weather performance, and advanced digital signal transmission for stable, clear images.



Figure 1.1: eRapta Wireless Backup Camera System (Monitor and Camera)

## 2. PACKAGE CONTENTS

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

- 5" Monitor x 1
- 9600mAh Magnetic Wireless Camera x 1
- Type-C Cable x 1
- Antenna x 3
- Car Charger x 1
- Suction Cup Mount x 1
- Bracket x 1
- Camera Screws x 2
- Instruction Manual x 1

# HOOKING UP VEHICLES

Help you hooking up trailers, rv and other models to avoid collisions.

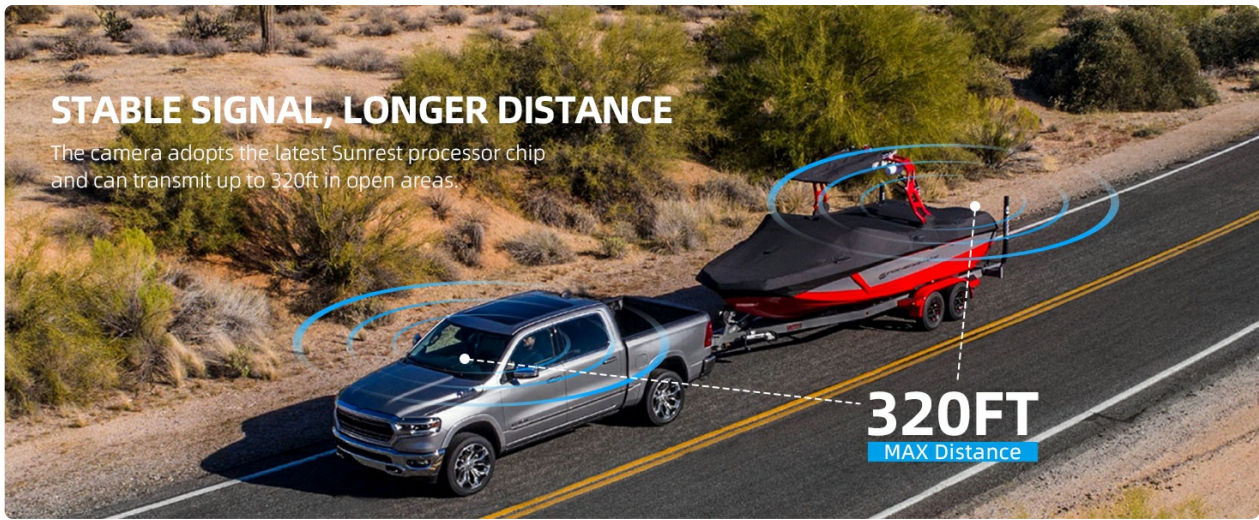


Figure 2.1: All components included in the eRapta ACT501 package.

## 3. SETUP

### 3.1 Initial Charging

Before first use or if the camera is in a low-power state, charge the built-in 9600 mAh rechargeable battery. Use the provided Type-C charger or a standard 5V phone charger. The camera automatically enters sleep mode when the monitor is off to conserve power.



## STABLE SIGNAL, LONGER DISTANCE

The camera adopts the latest Sunrest processor chip and can transmit up to 320ft in open areas.

**320FT**  
MAX Distance

Figure 3.1: The camera can be charged indoors via Type-C cable or in-car using the car charger.

### 3.2 Camera Installation

The eRapta ACT501 camera features a strong magnetic base for quick and easy installation without wiring or drilling. Simply attach the camera to any metal surface on your vehicle where you desire a view.



**MAGNETIC**  
**WIIRLESS BACKUP CAMERA**  
No wiring, no driling.

Figure 3.2: The camera attaches securely to any metal surface using its magnetic base.

### 3.3 Monitor Setup

Install the 5-inch monitor on your dashboard or windshield using the provided suction cup mount. Connect the monitor to your vehicle's cigarette lighter for power. The system is plug-and-play; once powered on, the camera and monitor will automatically pair.



Figure 3.3: Step-by-step guide for camera placement and monitor connection.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Powering On and Automatic Pairing

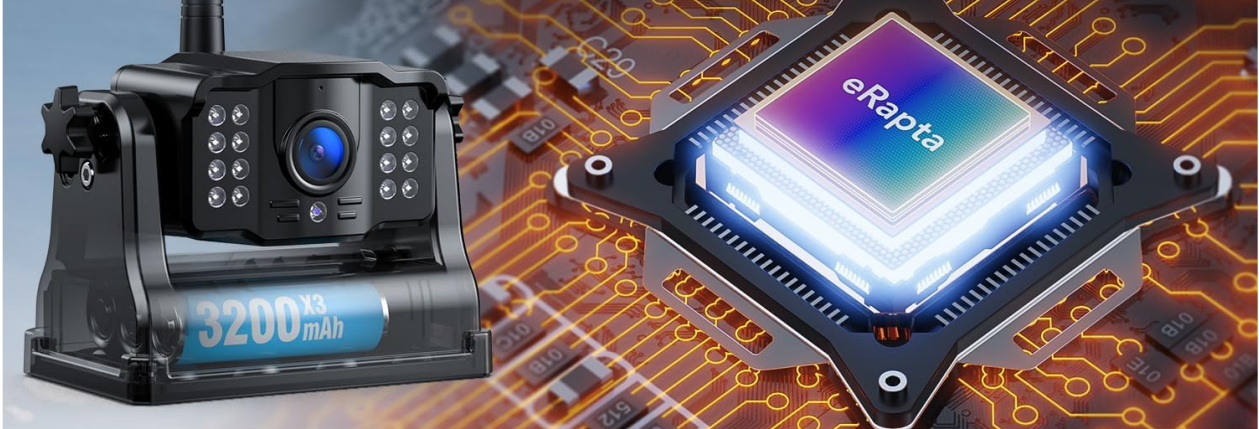
Once the camera is charged and placed in position, and the monitor is connected to power, the system will automatically power on and pair. No manual pairing is required.

### 4.2 Image Quality and Night Vision

The system provides FHD1080P resolution for clear, real-time colorful vision in various light conditions. The infrared night vision feature ensures visibility even in low-light or nighttime environments.

# 9600MAH LARGE BATTERY CAPACITY

Low-power consumption: only the red light flashes when charging, the first blue light will turn on after full, and the fourth light can be ignored.



## TWO CHARGING METHODS



Figure 4.1: Comparison of 1080P and 720P resolution for clarity.

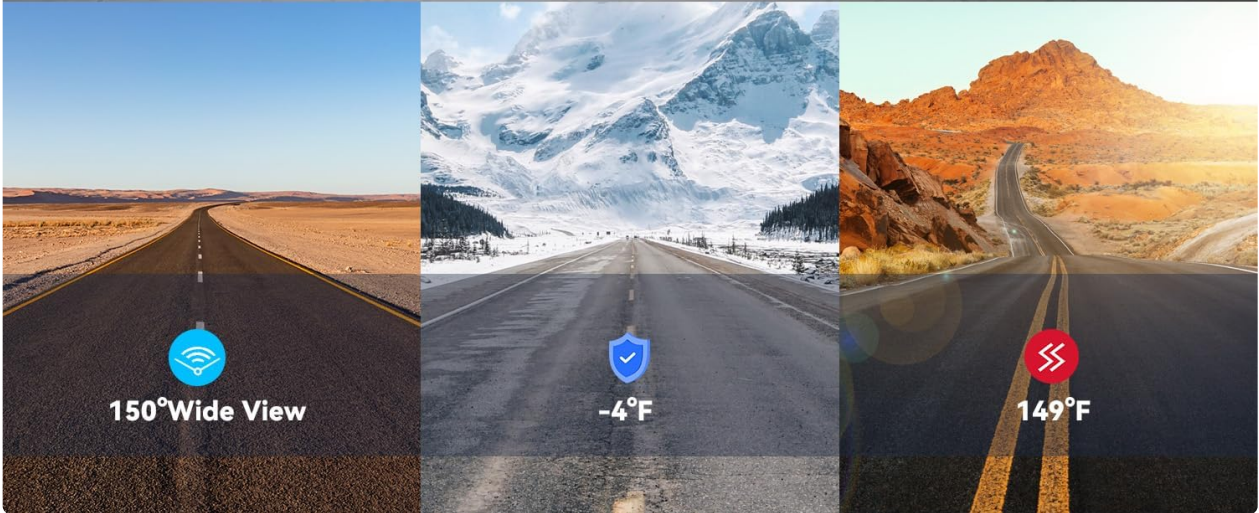


Figure 4.2: The system provides clear infrared night vision for enhanced safety.

### 4.3 Signal Stability and Range

The system utilizes advanced digital signals for stable transmission without frame drops or image delays. The signal transmission distance can reach up to 40ft for cars, trucks, pickups, campers, small RVs, horse trailers, and tractors.



Figure 4.3: The camera offers stable signal transmission up to 320ft in open areas.

#### 4.4 Parking Assistance and View Adjustment

The 150° wide-angle view provides comprehensive coverage. You can adjust parking lines (width, height, and vertical position) directly on the monitor using the control buttons. The monitor also supports mirror and flip settings to provide views from any camera position.



Figure 4.4: Customize parking lines for width, height, and vertical position.



Figure 4.5: Options for normal, mirror, flip, and mirror-flip image orientations.

#### 4.5 Dual Split Screen Functionality

The monitor supports up to two cameras (one camera included in this package) for dual split views or a single camera for a full-screen display.

# INFRARED NIGHT VISION

Get clear, colorful vision in anytime, any weather.



Figure 4.6: The monitor can display a full screen view or a split screen view with two cameras.

## 4.6 Vehicle Compatibility

This system is designed for a wide range of vehicles, including pickup trucks, cars, vans, RVs, trailers, tractors, and more, assisting with vehicle hooking up and rear monitoring.

# SUPPORT FULL/SPLIT SCREEN

Up to 2 cameras



Cars



Trucks



RV



Bus



Pickup



SUVS

Figure 4.7: The system aids in safely hooking up trailers and other vehicles.



Figure 4.8: The eRapta ACT501 is compatible with a wide range of vehicles.

## 5. MAINTENANCE

### 5.1 Cleaning

To maintain optimal performance, regularly clean the camera lens and monitor screen with a soft, damp cloth. Avoid using abrasive cleaners or solvents.

## 5.2 Weather Resistance

The RV backup camera is constructed with high-quality waterproof materials and nano-coating sealing technology, ensuring IP69K waterproof performance. It is designed to operate reliably in extreme weather conditions, with temperatures ranging from -6°F to 151°F.

# PACKAGE LISTING



Figure 5.1: The camera is IP69K waterproof, suitable for all weather conditions.

## 5.3 Battery Care

To prolong battery life, ensure the camera is fully charged before extended periods of non-use. Store the camera in a cool, dry place.

## 6. TROUBLESHOOTING

If you encounter issues with your eRapta Wireless Backup Camera, please refer to the following common troubleshooting steps:

- **No Image on Monitor:**

- Ensure both the camera and monitor are powered on.
  - Check that the monitor is securely plugged into the cigarette lighter.
  - Verify the camera battery is charged.
  - Confirm the camera and monitor are within signal range (up to 40ft for most vehicles).
- **Flickering or Unstable Image:**
    - Reduce the distance between the camera and monitor.
    - Ensure there are no large metal obstructions between the camera and monitor that could interfere with the signal.
    - Check for strong electromagnetic interference from other devices.
- **Camera Not Charging:**
    - Ensure the Type-C cable and charger are properly connected.
    - Try a different 5V USB power source or the provided car charger.
- **Parking Lines Not Visible/Adjustable:**
    - Refer to the operating instructions for adjusting parking lines via the monitor buttons.

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

## 7. SPECIFICATIONS

Feature	Specification
Product Dimensions	3.15 x 1.18 x 5.12 inches (Camera), 5.5"L x 3.5"W x 1.5"H (Monitor)
Item Weight	2.57 pounds
Model Number	ACT501
Special Features	150 degree wide viewing angle, Truthly wireless installation, plug and play, easy to remove, support adjust brightness/contrast/hue/language, flip mirror/normal image, Two channels, color and high definition, DIY guide lines, 1080P, 9600mAh large capacity battery, 16 LEDES light Infrared night vision, IP69K waterproof
Display Technology	LCD
Color	Black
Screen Size	5 Inches
Compatible Devices	Wireless

Installation Type	Monitor plug and play + camera wireless magnet adsorption
Video Capture Resolution	1080p
Voltage	5 Volts
Optical Sensor Technology	CCD
Lens Type	Wide Angle

## 8. WARRANTY AND SUPPORT

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eRapta offers comprehensive customer support for your product:

- **Customer Service:** 24-hour online customer service is available to assist you with any questions or concerns.
- **Warranty:** The product comes with a 2-year after-sale support and replacement warranty.
- **Lifetime Support:** Enjoy lifetime technical support for your eRapta Wireless Backup Camera.

Your satisfaction is important to us. Please contact us directly if you require assistance.