eRapta AWTCM501

eRapta AWTCM501 Magnetic Solar Wireless Backup Camera Instruction Manual

Model: AWTCM501 | Brand: eRapta

				Introduction	What's in the		
Box	Setup	Operating	Maintenance	Troubleshooting	Specifications		Warranty & Support

1. INTRODUCTION

The eRapta AWTCM501 Magnetic Solar Wireless Backup Camera system provides enhanced visibility and safety for various vehicles, including trailers, trucks, RVs, campers, and tractors. Featuring a 5-inch HD1080P touchscreen monitor, a magnetic solar-powered camera, and advanced features like Blind Spot Detection (BSD) and Loop DVR, this system offers a convenient and reliable solution for reversing and monitoring.

2. WHAT'S IN THE BOX

- 5-inch Monitor
- Magnetic Solar Backup Camera
- Antenna (x3, 2 for monitor, 1 for camera)
- Suction Cup Bracket
- Type-C Charger & Car Charger
- 32GB SD Card (pre-installed in DVR)
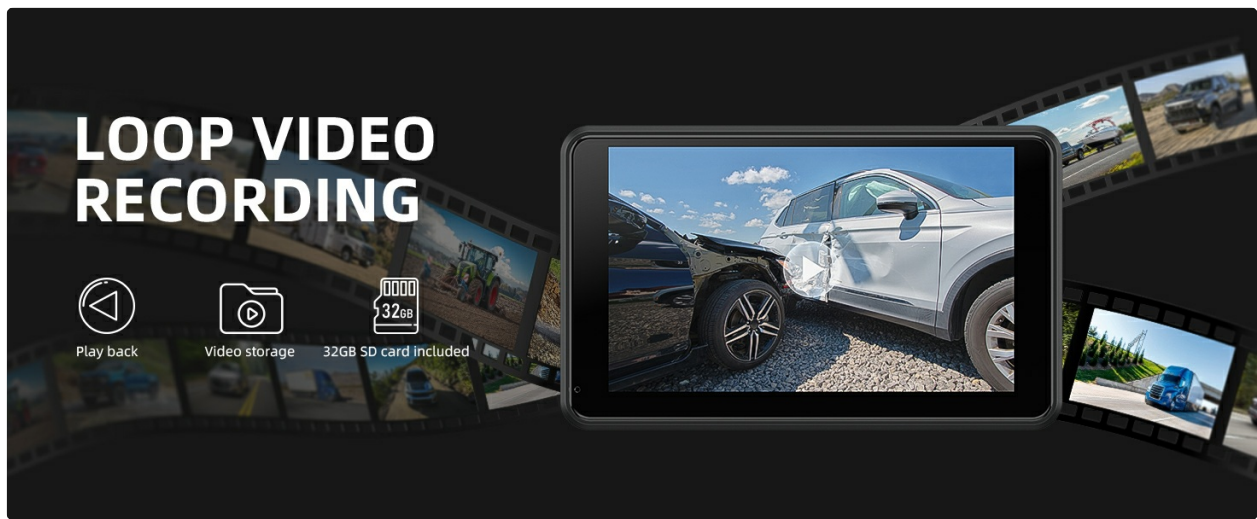- Steel Plate (for non-magnetic surfaces)
- Mounting Screws

Image: All components included in the eRapta AWTCM501 package, neatly arranged.

3. SETUP

3.1 Camera Installation (1-Minute Install-Free)

1. **Charge the Camera:** Fully charge the camera's built-in Li-ion battery using the provided Type-C charger before first use. The solar panel will maintain the charge during daylight.

2. **Attach Antenna:** Screw the provided antenna onto the designated port on the camera.

3. **Mount Camera:**

   - **Magnetic Mounting:** Attach the strong magnetic base of the camera to any metal surface at the rear of your vehicle (trailer, truck, RV, etc.). Ensure the surface is clean and flat for optimal adhesion.

   - **Non-Magnetic Surfaces:** If your desired mounting location is not metal, use the included steel plate. Secure the steel plate to the vehicle using the provided screws or adhesive, then attach the magnetic camera to the plate.

4. **Adjust Camera Angle:** The camera features an adjustable head. Loosen the side screws, position the camera for the desired view, and then tighten the screws to secure it.

1 MINUTE INSTALL-FREE

Step 1: Attach the magnetic camera in any position with metal surface of the vehicle.

Step 2: Plug and play the monitor by the car charger.

Image: The magnetic solar backup camera attached to the rear of a vehicle, demonstrating its easy, wire-free installation.

5-INCH IPS TOUCHSCREEN

Other 480P

Other 720P

Our HD1080P

2023-01-18 23:43:20

PAIRING PICTURE FLIP MODE

SMART PLAYBACK RECORDING SYSTEM

CH2 250415V1

Image: A detailed view of the camera's solar panel and adjustable mounting mechanism, highlighting its robust design.

3.2 Monitor Installation

1. **Attach Antenna:** Screw the two remaining antennas onto the designated ports on the monitor.

2. **Mount Monitor:** Attach the suction cup bracket to the monitor. Clean the desired area on your windshield or dashboard thoroughly. Press the suction cup firmly against the surface and engage the lever to secure it.

3. **Power On:** Plug the car charger into your vehicle's 12V power outlet (cigarette lighter). Connect the other end to the monitor. The monitor will power on automatically or by pressing the power button.

4. **Pairing:** The camera and monitor should auto-pair upon powering on. If no signal is detected, refer to the troubleshooting section or the monitor's settings menu for manual pairing options.

Image: The 5-inch HD touchscreen monitor securely mounted on a vehicle's dashboard, displaying the camera feed.

4. OPERATING INSTRUCTIONS

4.1 Touchscreen Controls

The 5-inch HD1080P IPS touchscreen allows for intuitive control of the system. Simply touch and click on the screen to access various functions.

LOOP RECORD

DVR automatically to keep trip retention or monitoring driving evidence.

32GB SD
Card Included

Playback & Files Storage

Image: A hand demonstrating interaction with the touchscreen monitor, showing the ease of use for various settings.

4.2 Blind Spot Detection (BSD)

Enhance driving safety with the integrated BSD feature. Once customized in the settings, the AI system will provide visual alarms on the screen and audio warnings if obstacles or people are detected near the parking lines.
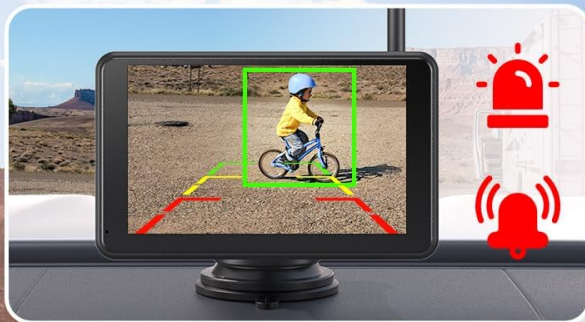
Image: The monitor displaying the Blind Spot Detection (BSD) system, highlighting obstacles with visual and audio alerts for enhanced safety.

4.3 Loop DVR with SD Card

The system includes a 32GB SD card for automatic video recording. When the memory card is full, it will automatically loop over the oldest videos. You can also manually edit or delete videos directly from the monitor.

A MUST-HAVE TRAVEL COMPANION
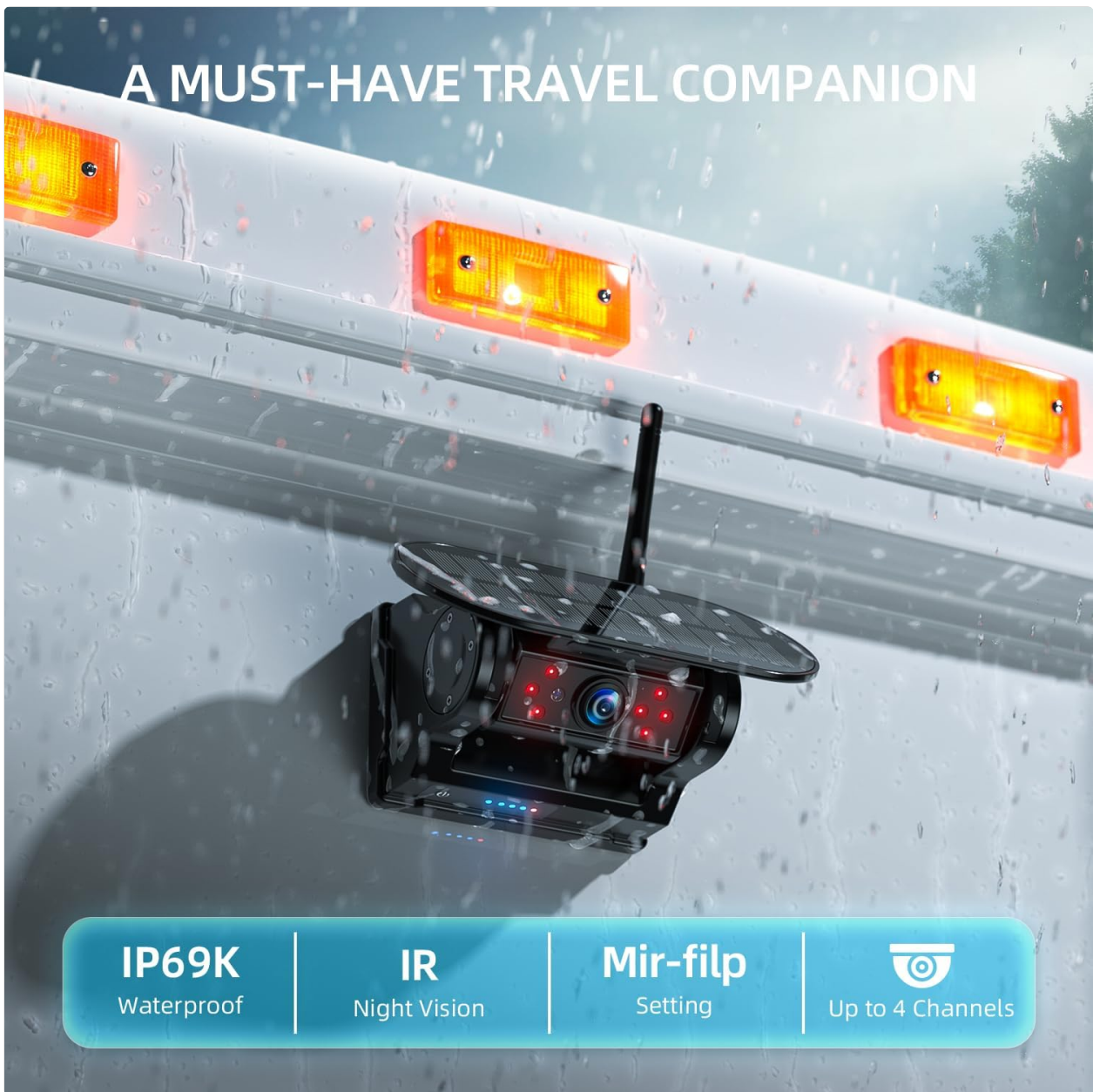
IP69K	**IR**	**Mir-filp**	
Waterproof	Night Vision	Setting	Up to 4 Channels

Image: The monitor illustrating the loop recording function, showing video playback and storage capabilities with the included 32GB SD card.

4.4 Multi-Channel Setting

The touchscreen monitor supports multi-channel settings, allowing connection of up to 4 cameras (1 camera included). This enables full-screen, split-screen, or quad-screen views for comprehensive monitoring.

PARKING ASSISTING LINE

Adjust the width of the guide lines

Move the guide lines up or down
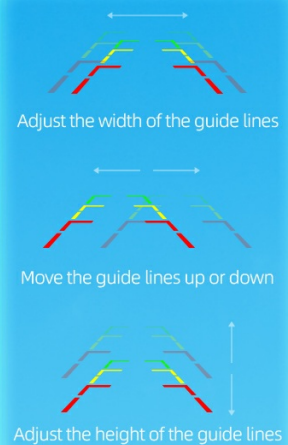
Adjust the height of the guide lines

Image: The monitor showcasing various multi-channel display options, including full-screen, split-screen, and quad-screen views for multiple cameras.

4.5 Mirror-Flip Setting

Adjust the camera view with the mirror-flip setting to suit different mounting locations and preferences, ensuring correct orientation of the image.

Image: The monitor demonstrating the mirror-flip setting, allowing users to adjust the camera's image orientation as needed.

4.6 Wireless Signal Transmission

The system utilizes 2.4G wireless digital transmission for a fast and stable connection, minimizing frame drops and image delays. Signal transmission distances are up to 40ft in continuous vehicles and up to 320ft in open spaces without obstacles.

Image: A visual representation of the 2.4G wireless signal transmission range between the camera and monitor, showing effective distances for various vehicle types.

4.7 IR Night Vision

Eight infrared lights on the camera ensure clear visibility even in low-light conditions or complete darkness, aiding in night vision for safer operation.

5. MAINTENANCE

5.1 Charging

The camera features dual charging methods: a built-in Li-ion battery and a larger solar panel. The solar panel continuously charges the camera during daylight. For additional charging or in low-light conditions, use the provided Type-C charger. The battery level is visually displayed on both the camera and the monitor.

Image: The camera illustrating its dual charging capabilities, including solar power and Type-C USB charging, ensuring extended battery life.

5.2 Waterproof Rating

The camera is designed with an IP69K waterproof rating, making it durable enough to operate reliably in various weather conditions, including heavy rain and pressure washing.

MIRROR-FILP SETTING

Meet your needs to place the camera in different locations.

Image: The camera shown in a rainy environment, emphasizing its IP69K waterproof rating for all-weather durability.

6. TROUBLESHOOTING

- **No Signal:**

  - Ensure both the camera and monitor are powered on and fully charged.
  - Check that antennas are securely attached to both devices.
  - Verify that the camera and monitor are within effective transmission range (40ft in continuous vehicles, 320ft in open space).
  - Attempt manual pairing through the monitor's settings menu.

- **Image Quality Issues:**

  - Clean the camera lens to remove any dirt or obstructions.
  - Adjust brightness, contrast, and hue settings on the monitor.
  - Ensure the camera is securely mounted and not vibrating.

- **BSD Alarms Incorrectly:**

  - Review BSD settings in the monitor's menu and adjust sensitivity if necessary.
  - Ensure the camera is clean and has an unobstructed view.

7. SPECIFICATIONS

Feature	Detail
Model Number	AWTCM501
Product Dimensions	6.4 x 4 x 3.3 inches

Item Weight	2.86 pounds
Screen Size	5 Inches
Video Resolution	HD1080P
Wireless Transmission	2.4G Digital Wireless (Up to 320ft open space, 40ft continuous vehicles)
Waterproof Rating	IP69K
Charging Methods	Solar Panel, Type-C USB
Battery Capacity	9600mAh Li-ion (Camera)
Optical Sensor Technology	Infrared (IR Night Vision)
Real Angle of View	150 Degrees
Compatible Devices	Monitor Included
Installation Type	Monitor plug and play + camera wireless magnetic adsorption
Voltage	5 Volts

8. WARRANTY & SUPPORT

For warranty information, technical support, or any inquiries regarding your eRapta AWTCM501 Magnetic Solar Wireless Backup Camera, please refer to the contact information provided in your product packaging or visit the official eRapta website.

You may also find additional support and resources on the eRapta Brand Store on Amazon.

9. OFFICIAL PRODUCT VIDEOS

Experience a game-changer backup camera in eRapta

Your browser does not support the video tag.

Video: An official eRapta video showcasing the features and benefits of the backup camera system, demonstrating its ease of use and advanced functionalities.

Super strong attachment, and super handy, good viewing range.

Your browser does not support the video tag.

Video: A seller-provided video demonstrating the strong magnetic attachment of the camera and its wide viewing range, highlighting its practical applications.