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## eRapta AGQT01

# eRapta HD 1080P Backup Camera User Manual

Model: AGQT01

## 1. PRODUCT OVERVIEW

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The eRapta HD 1080P Backup Camera (Model AGQT01) is a versatile and durable rearview camera designed to enhance parking safety and visibility for a wide range of vehicles. Featuring 1080P AHD resolution, IP69K waterproof metal housing, and excellent night vision capabilities, this camera provides clear and reliable images in various conditions. It offers wide compatibility with different display units via RCA video ports and includes dual mounting brackets for flexible installation.



Image: The eRapta HD 1080P Backup Camera, shown mounted on a license plate bracket, highlighting its compact design and 1080P resolution capability.

## 2. WHAT'S INCLUDED

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Upon opening the package, verify that all components are present:

- 1x Reverse Camera
- 2x Metal Brackets (one pre-attached to camera, one small bracket)
- 1x AV Cable (26-foot)
- 1x Power Cable
- 1x Quick User Guide (Installation Manual)
- Mounting Screws
- Heat Shrink Tubing

# EASY INSTALLATION COMPLETE ACCESSORIES



Image: All components included in the eRapta backup camera kit, laid out for inspection. This includes the camera, cables, brackets, and manual.

## 3. SETUP AND INSTALLATION

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The eRapta backup camera is designed for straightforward installation. Please ensure your vehicle supports AHD/CVBS signal types. Most models produced before 2012 are typically CVBS. If your vehicle uses CVBS, you must cut the blue wire on the camera cable before installation. For AHD vehicles, no wire cutting is needed for signal type.

### 3.1. Mounting Options

The camera comes with two metal brackets, allowing for flexible mounting:

- **License Plate Mount:** The primary bracket allows the camera to be mounted directly behind your vehicle's license plate.
- **Surface Mount:** The additional small bracket can be used to install the camera on any flat surface at the front or side of your vehicle, depending on your specific needs.

# APPLICABLE

## ALL U.S.

### VEHICLE TYPES

Designed for car, pickup truck, suv, minivan and sedans.



Image: Illustration showing the eRapta backup camera's compatibility with various vehicle types, including cars, SUVs, pickups, minivans, and trucks.

### 3.2. Wiring Connections

The camera operates on a 12-24V DC power supply. Follow these steps for wiring:

1. **Power Connection:** Connect the camera's power cable to your vehicle's reverse lights. This ensures the camera activates automatically when the vehicle is put into reverse.
2. **Video Connection:** Connect the camera to your radio, screen, or monitor using the provided 26-foot AV cable. The camera utilizes RCA video ports for wide compatibility.
3. **Signal Type Adjustment:** As noted, if your vehicle requires a CVBS signal (common for pre-2012 models), locate and cut the blue wire on the camera's cable. This switches the camera's output signal.
4. **Optional Guide Line/Mirror Image Adjustment:** The camera may have additional wires (e.g., green or white) that can be cut to disable parking guide lines or switch between mirror and normal images (for front camera use). Refer to the included Quick User Guide for specific instructions on these optional adjustments.



Mirror image (Rear) to Normal image (Front)  
Cut green line / As a front camera



1.

CVBS to AHD video signal mode

**AHD** → **CVBS**

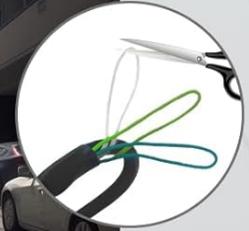
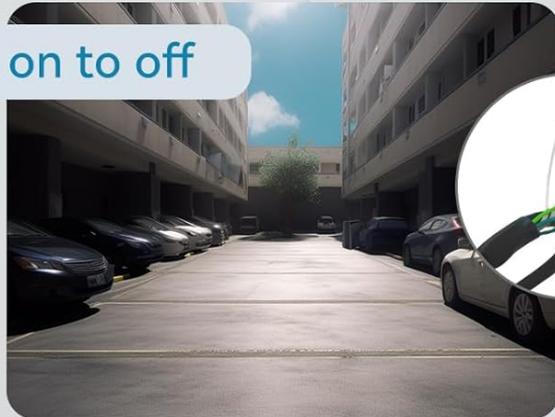
Cut Blue line / Switch CVBS mode



2.



Guide lines on to off



3.

Image: A diagram illustrating how to cut specific wires (blue for CVBS/AHD signal, green for mirror image, etc.) to adjust the camera's settings according to vehicle requirements.

## 4. OPERATING INSTRUCTIONS

Once properly installed, the eRapta backup camera operates automatically when your vehicle is in reverse, displaying a clear image on your connected monitor.

### 4.1. High-Definition Display

The camera provides a true 1080P HD image, offering enhanced clarity, brightness, and color saturation for optimal visibility. This upgraded resolution significantly improves your ability to perceive obstacles and surroundings.

### 4.2. Night Vision Capability

Equipped with 10 LED lights, a 149° angle of view, and an F/1.5 aperture, the camera delivers excellent night vision performance. It maintains high-definition images even in low-light conditions, ensuring driving safety at night.

# EXCELLENT STARLIGHT NIGHT VISION

10 LED lights keep image clear even when driving at night.

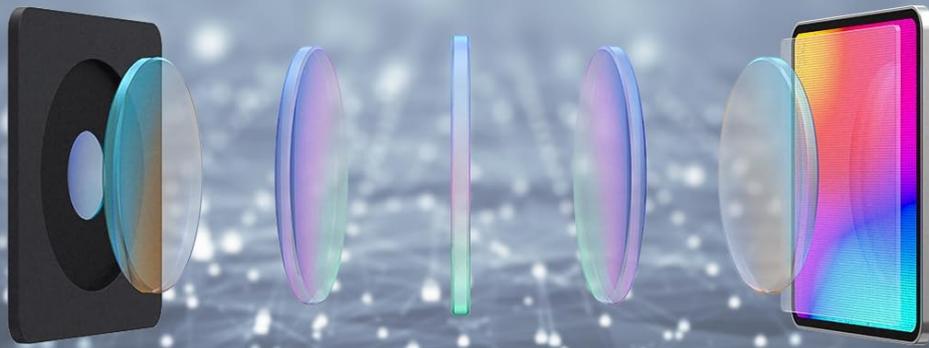


Image: A side-by-side comparison illustrating the superior clarity and brightness of the eRapta camera's night vision compared to daytime conditions, highlighting its 10 LED lights.

## 4.3. Wide Viewing Angle

The 149° viewing angle provides a broad perspective of the area behind your vehicle, minimizing blind spots and aiding in safe maneuvering and parking. This angle is optimized to provide a realistic view without significant distortion.

# 149° PERFECT VIEW ANGLE DESIGN

 170°



Distorted Images

 149°



Just the Right

 120°



Narrow Vision

Image: Visual representation of the 149-degree viewing angle, demonstrating how it provides a balanced and clear perspective, avoiding the distortion often seen with wider angles.

## 5. MAINTENANCE

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The eRapta backup camera is built with a durable metal housing and IP69K waterproof rating, designed for longevity and resistance to harsh environmental conditions. Minimal maintenance is required.

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to ensure a clear view. Avoid abrasive cleaners that could scratch the lens.
- **Inspection:** Occasionally check the wiring connections for any signs of wear or damage, especially after prolonged exposure to extreme weather.

# IP69

## WATERPROOF DEPTH

Use it daringly whatever it's rainy / snowy / hot.



Image: A visual demonstrating the IP69K waterproof capabilities of the eRapta camera, showing it withstanding water splashes, indicating its resilience to rain and car washes.

## 6. TROUBLESHOOTING

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If you encounter issues with your eRapta backup camera, refer to the following common troubleshooting tips:

- **No Image/Black Screen:**
  - Ensure all power and video connections are secure and correctly wired.
  - Verify that the camera's power supply is connected to the reverse lights and receiving power when in reverse.
  - Check the signal compatibility: If your monitor requires a CVBS signal and the camera is set to AHD (or vice-versa), you may need to cut the blue wire on the camera cable to switch the signal type.
- **Distorted/Unclear Image:**
  - Clean the camera lens to remove any dirt, dust, or moisture.
  - Ensure the video cable is not damaged or kinked.

- Verify that the monitor's input settings match the camera's output (e.g., 1080P).

- **Parking Lines Incorrect/Missing:**

- Some cameras have a wire (often green or white) that can be cut to enable or disable parking guide lines. Consult your Quick User Guide for specific instructions.

- **Image is Mirrored/Not Mirrored:**

- If the image is reversed (mirror image) and you need a normal view (or vice-versa, for front camera use), there may be a wire (often green or white) to cut. Refer to your Quick User Guide.

If you are unsure about your vehicle's supported signal type or encounter persistent issues, please consult your vehicle supplier or contact eRapta customer service for assistance.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	AGQT01
Video Capture Resolution	1080p HD
Compatibility	AHD/CVBS Signal, RCA Video Ports
Viewing Angle	149 Degrees (Real Angle of View)
Waterproof Rating	IP69K
Night Vision	Excellent (10 LED lights, F/1.5 aperture)
Housing Material	Metal
Power Supply	12-24 Volts DC
Installation Type	Surface Mount (Dual Bracket)
Product Dimensions	9.4 x 0.8 x 1 inches
Item Weight	2.88 ounces
Manufacturer	eRapta

## 8. WARRANTY AND SUPPORT

The eRapta HD 1080P Backup Camera comes with **atwo-year warranty** from the date of purchase. Additionally, eRapta provides **lifetime technical support** for this product.

Should you encounter any issues with the product or its package, please do not hesitate to contact eRapta customer service. We are committed to providing prompt assistance and will reply to your inquiries within 24 hours.

For support, please visit the official eRapta store or contact us through the platform where you purchased the product.



