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## ATOTO AC-HD02LR

# ATOTO AC-HD02LR 720P Rearview Camera User Manual

Model: AC-HD02LR | Brand: ATOTO

Introduction Compatibility Package Contents Installation Operation Maintenance Troubleshooting Specifications Warranty & Support

## 1. Introduction

The ATOTO AC-HD02LR is a 720P HD rearview backup parking assist camera designed to enhance vehicle safety and convenience. This camera outputs a 720P HD video signal, providing a clear and detailed view of the area behind your vehicle. A key feature is its ability to provide a live rearview feed even when the vehicle is moving forward, thanks to special wiring and compatible ATOTO head unit firmware support.
This manual provides essential information for the proper installation, operation, and maintenance of your AC-HD02LR camera. Please read it thoroughly before installation and use.




*Image 1.1: ATOTO AC-HD02LR Rearview Camera with License Plate Mounting Bracket.*

## 2. Compatibility

The ATOTO AC-HD02LR camera is specifically designed to work with selected ATOTO car stereos. It is not compatible with other car stereo brands.

### 2.1 Compatible ATOTO Head Units:

- ATOTO X10 Series
- ATOTO S8 Series (excluding Gen2 models with virtual surround view, for which AC-HD03LR is recommended)
- ATOTO F7 Series
- ATOTO A6 Series
- ATOTO A5 Series

### 2.2 Non-Compatible ATOTO Head Units:

- ATOTO P5 Series
- ATOTO P8 Series
- ATOTO P9 Series

Ensure your ATOTO head unit is listed as compatible to guarantee proper functionality and HD video quality.

## 3. Package Contents

Please check the package carefully to ensure all items are present and in good condition.

- 1 x Rear wide-angle camera (AC-HD02LR)
- 1 x Extension wire (video and power cable)
- 4 x Screws for mounting
- 1 x Adhesive sticker




*Image 3.1: Included components of the ATOTO AC-HD02LR camera kit.*

## 4. Installation

Proper installation is crucial for optimal performance. If you are unsure about any steps, it is recommended to seek professional assistance.

### 4.1 Mounting Options

The AC-HD02LR camera offers two primary installation methods: bracket mounting or flush mounting. The license plate bracket mounting option does not require drilling holes and will not obstruct any information on your license plate.

# Installation




*Image 4.1: Visual representation of bracket and flush mounting options for the camera.*

## 4.2 Wiring Diagram

Unlike traditional backup cameras powered by the vehicle's reversing lamp, the AC-HD02LR is designed to be powered by the ATOTO head unit or the vehicle's ACC (Accessory) power wire. This allows for the live rearview feature when the vehicle is moving forward.

1. **Connect Video Signal:** Connect the yellow RCA connector from the camera's extension cable to the "RCIN" (Rear Camera Input) port on your ATOTO head unit.
2. **Connect Power:** The camera's power wire (typically red) should be connected to the "Rear Camera (+)" output from your ATOTO head unit or to a switched 12V ACC (Accessory/Ignition) power source.
3. **Connect Reverse Trigger (Optional):** If you want the head unit to automatically switch to the camera view when reversing, connect the reverse trigger wire (often a thin red wire integrated with the video cable) to your vehicle's reversing light positive (+) wire. This signals the head unit that the vehicle is in reverse gear.
4. **Ground Connection:** Ensure the camera's ground wire (typically black) is securely connected to a chassis ground point.

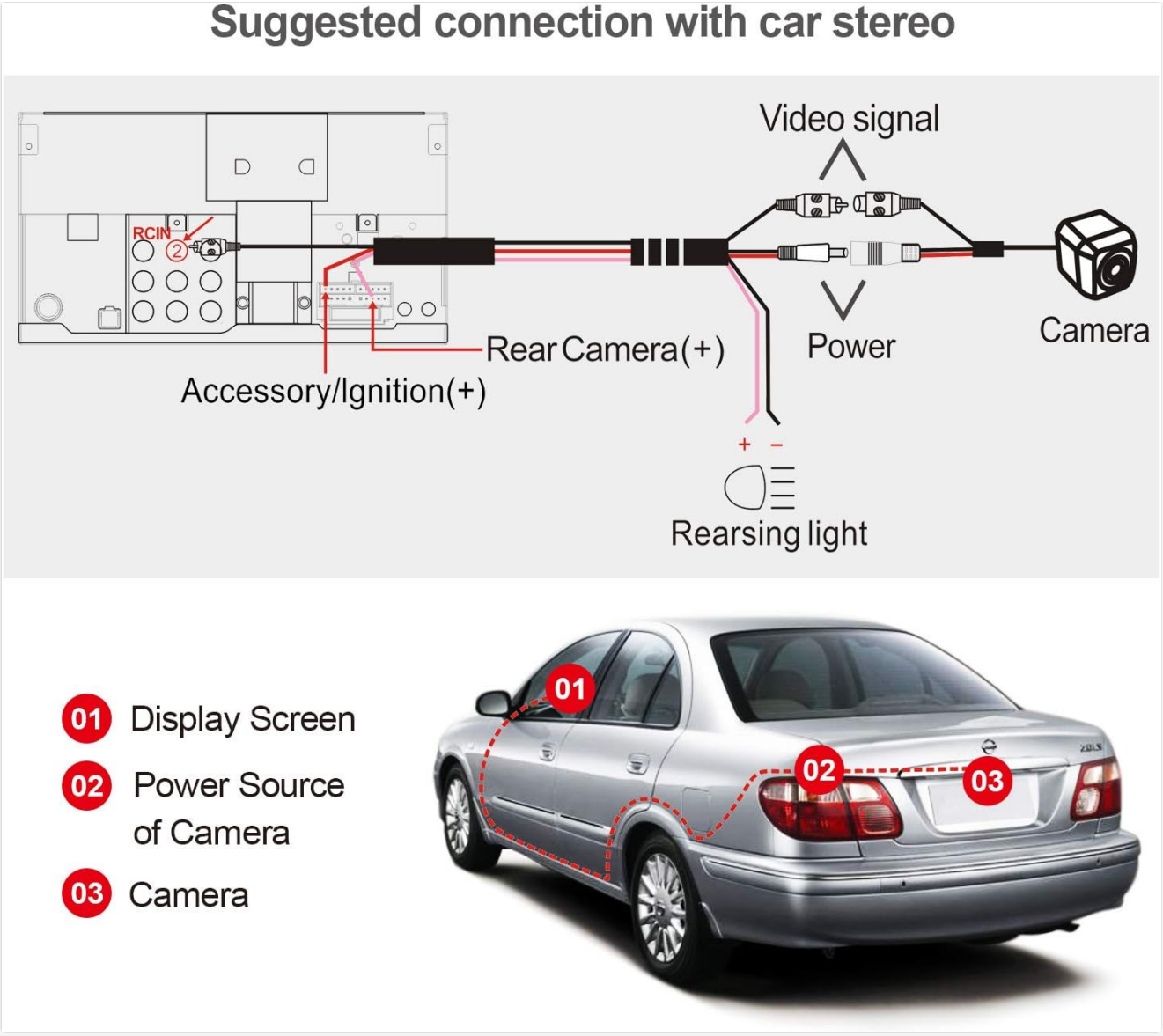



*Image 4.2: Suggested connection diagram for the ATOTO AC-HD02LR with a car stereo.*

## 5. Operation

Once installed and connected to a compatible ATOTO head unit, the AC-HD02LR camera offers enhanced visibility for driving and parking.

### 5.1 Live Rearview Function

With compatible ATOTO head units (X10/S8/F7/A6/A5 Series) and appropriate firmware, the camera can provide a continuous live rearview feed on your head unit's display while driving forward. This feature allows you to monitor traffic or cargo behind your vehicle without needing to shift into reverse.

### 5.2 Parking Assist

When the vehicle is shifted into reverse, the head unit will automatically display the camera feed, assisting with parking maneuvers. The 720P HD resolution provides a clear image, improving situational awareness.

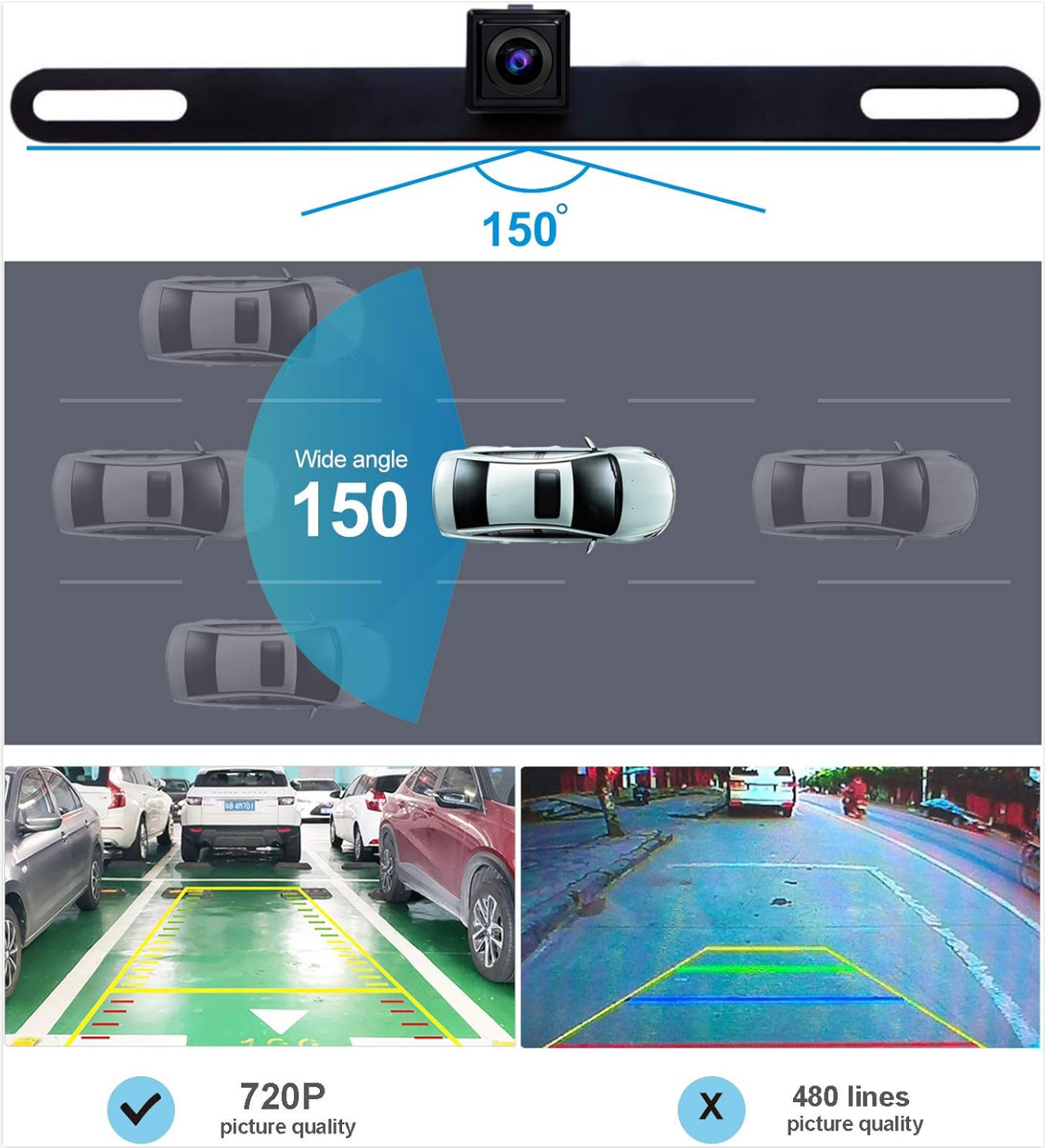



*Image 5.1: Demonstrates the 150-degree wide-angle view and 720P HD clarity of the camera.*

## 6. Maintenance

To ensure the longevity and optimal performance of your ATOTO AC-HD02LR camera, follow these maintenance guidelines:

- **Cleaning the Lens:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Cable Inspection:** Periodically check the wiring for any signs of wear, damage, or loose connections. Secure any loose cables to prevent interference or disconnection.
- **Waterproofing:** The camera is designed to be waterproof. However, avoid directing high-pressure water jets directly at the camera during car washes, as this could potentially compromise seals over time.
- **Environmental Factors:** While designed for outdoor use, extreme weather conditions (e.g., prolonged exposure to harsh sunlight, extreme cold) can affect electronic components over time.

## 7. Troubleshooting

If you encounter issues with your ATOTO AC-HD02LR camera, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| No image or black screen | Loose video cable connection; No power to camera; Incorrect input selected on head unit; Incompatible head unit. | Check all video and power connections; Ensure camera is receiving 12V power; Verify correct camera input is selected on your ATOTO head unit; Confirm head unit compatibility (refer to Section 2). |
| Flickering or distorted image | Loose video connection; Electrical interference; Damaged cable. | Secure video connections; Check for proper grounding; Ensure power cables are not routed near high-current wires; Inspect cable for damage and replace if necessary. |
| Poor image quality (grainy, blurry) | Dirty lens; Low light conditions; Head unit display settings; Not a true HD signal (if connected to non-ATOTO unit). | Clean the camera lens; While the camera has good night vision, extreme low light may reduce clarity; Adjust brightness/contrast on head unit; Ensure compatibility with ATOTO head unit for HD output. |
| Camera not activating in reverse | Reverse trigger wire not connected or faulty; Head unit settings. | Verify the reverse trigger wire is correctly connected to the vehicle's reverse light positive; Check head unit settings for reverse camera activation. |

## 8. Specifications

| Feature | Detail |
|---|---|
| Model Number | AC-HD02LR |
| Video Output Resolution | 720P HD |
| Optical Sensor Technology | CMOS |
| Lens Type | Wide Angle |
| Real Angle of View | 150 Degrees |
| Connector Type | RCA |
| Voltage | 5 Volts |
| Installation Type | Surface Mount |
| Item Weight | 9.6 ounces |

| Feature | Detail |
| --- | --- |
| Package Dimensions | 9.72 x 2.83 x 2.24 inches |

## 9. Warranty & Support

ATOTO provides product care for the AC-HD02LR camera. For specific warranty details and duration, please refer to the documentation included with your purchase or visit the official ATOTO website.

### 9.1 Customer Support

If you require technical assistance, have questions about installation, or need to address a warranty claim, please contact ATOTO customer support through the following channels:

- **Via your order center:** Access support through your purchase platform.
- **Email:** Contact support via email at support[at]atotoglobal.
- **ATOTO Website:** Visit the official ATOTO website for FAQs, support resources, and contact information.

When contacting support, please have your product model (AC-HD02LR) and purchase details readily available.

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