

EONON A0125

Eonon A0125 Backup Camera User Manual

Model: A0125

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Eonon A0125 Backup Camera. Designed for enhanced vehicle safety, this high-definition rearview camera offers a wide viewing angle and robust waterproof capabilities, ensuring clear visibility in various conditions. It is specifically engineered for compatibility with Eonon Android Car Stereos.



Figure 1: Eonon A0125 Backup Camera

2. PRODUCT FEATURES

- **High-Definition 720P Resolution:** Provides sharp and true-to-life images with a resolution of 1280x720 pixels, enhancing visibility for safer reversing, especially at night.
- **140° Wide Viewing Angle:** Features an adjustable vertical 140° viewing angle, allowing for a broad perspective behind the vehicle and effectively reducing blind spots.
- **IP68 Waterproof & Dustproof:** Constructed with an international standard IP68 rating, ensuring reliable performance in various weather conditions, including rain and dust.
- **Broad Compatibility:** Specifically designed to be compatible with all Eonon Android Car Stereos, including models such as GMA12S, UA12S-PLUS, E46A12S, VWA12S, E90A12S, and Q80SE.
- **Easy Installation:** Designed for straightforward installation, requiring connection of the camera's power and ground wires to the reversing light and the video output to the car stereo's reverse trigger wire.

720P AHD Waterproof Backup Camera



AHD

720P AHD

140°

140° Angle



IP68 Waterproof

Figure 2: Key Features of the A0125 Camera

High Quality Image Camera

With a resolution of 1280*720, this backup camera provides sharper and true-to-life images.

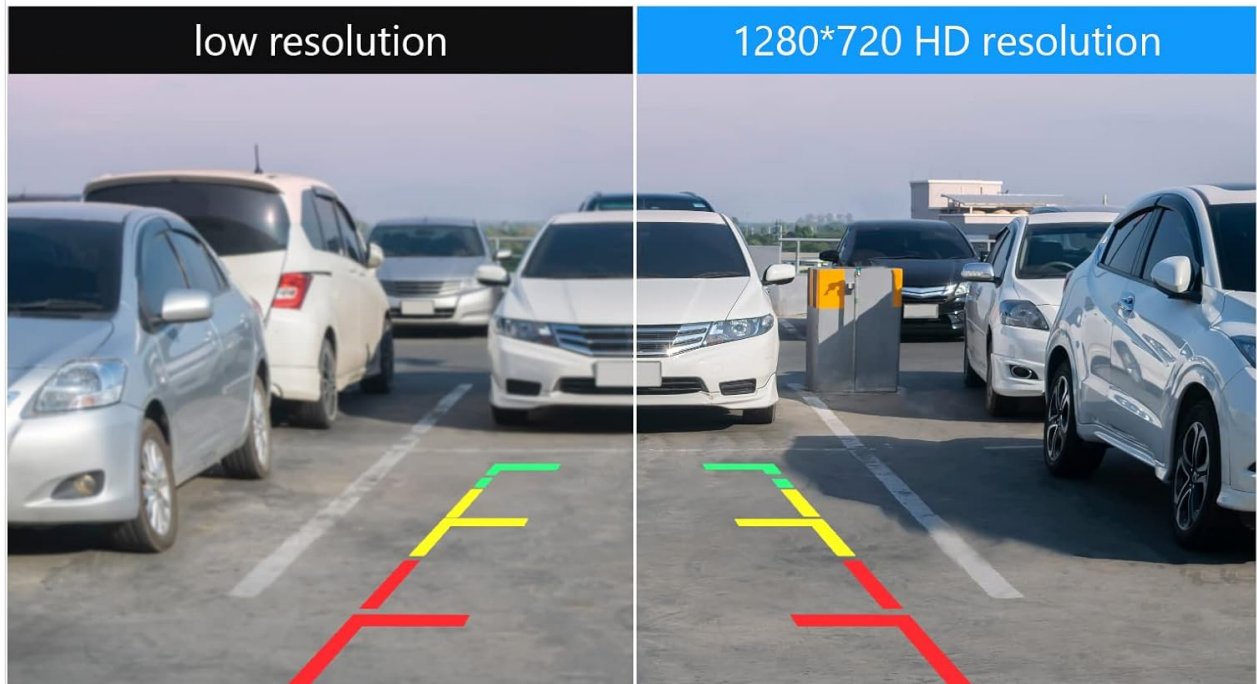


Figure 3: High-Quality Image Output

140° Wide Viewing Angle

The wide field of vision makes it much safer to reverse.

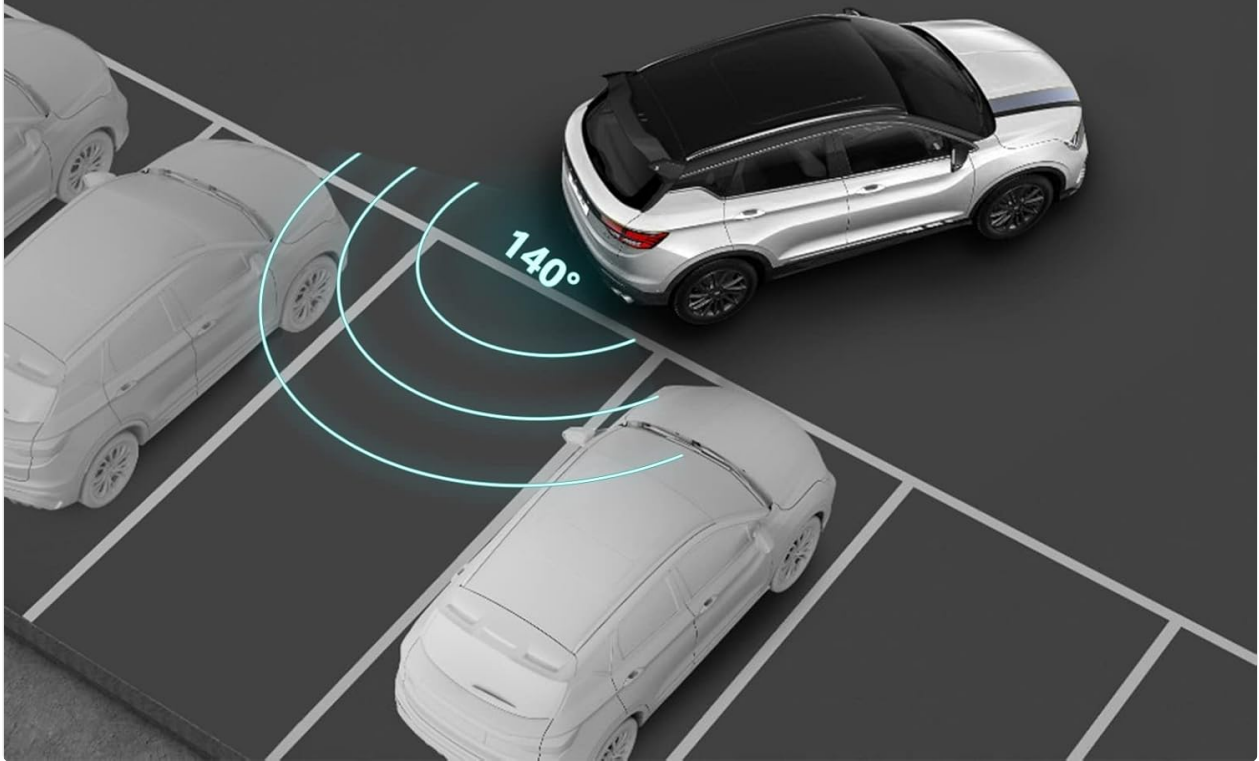


Figure 4: 140° Wide Viewing Angle

IP68 Waterproof

This camera is waterproof/dustproof equivalent to IP68. No need to worry about exposing the camera in rainy/dusty days.



Figure 5: IP68 Waterproof Capability

3. PACKAGE CONTENTS

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

Accessories



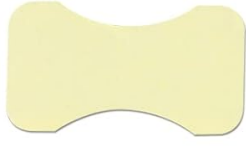

<p>1</p>  <p>Camera *1</p>	<p>2</p>  <p>AV Power Cable (6m) *1</p>	<p>3</p>  <p>Screw *2</p>
<p>4</p>  <p>Adhesive Pad *1</p>	<p>5</p>  <p>User Manual *1</p>	

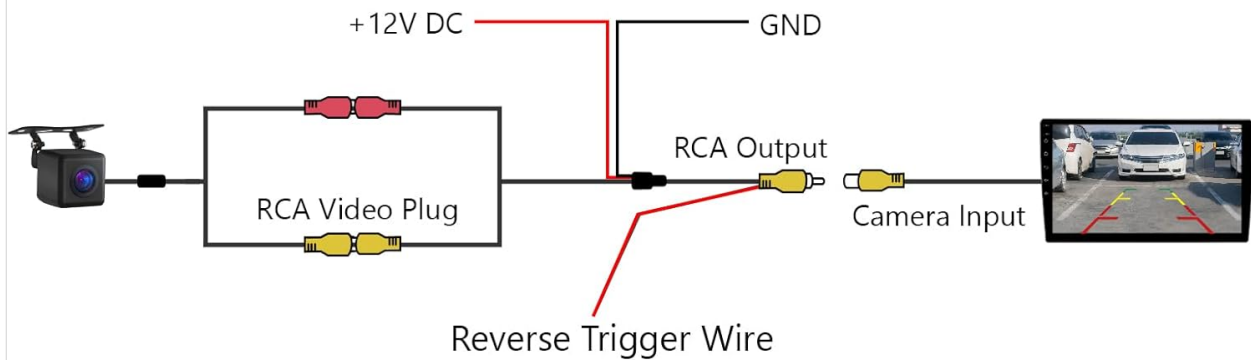
Figure 6: Included Accessories

1. Camera (x1)
2. AV Power Cable (6m) (x1)
3. Screws (x2)
4. Adhesive Pad (x1)
5. User Manual (x1)

4. INSTALLATION GUIDE

Follow these steps for proper installation of your Eonon A0125 Backup Camera. It is recommended to consult a professional if you are unsure about any steps.

Wiring Method



For universal car stereo

1. Connect the red +12V wire of the camera to the positive wire of car reverse light, and connect the black GND wire to the negative wire of the car reverse light.
2. Connect the RCA output of the camera to the rear camera input of the car stereo.
3. Connect the red reverse trigger wire of the camera to the reverse control cable of the car stereo.
4. Installation finished.

For car-specific car stereo

1. Connect the red +12V wire of the camera to the positive wire of car reverse light, and connect the black GND wire to the negative wire of the car reverse light.
2. Connect the RCA output of the camera to the rear camera input of the car stereo.
3. Installation finished.

Note: You don't have connect the reverse trigger wire if the car stereo comes with a CAN Bus.

Figure 7: Wiring Method Diagram

4.1. General Wiring for Universal Car Stereos

1. Connect the red +12V wire of the camera to the positive wire of the car's reverse light.
2. Connect the black GND wire to the negative wire of the car's reverse light.
3. Connect the RCA output of the camera to the rear camera input of the car stereo.
4. Connect the red reverse trigger wire of the camera to the reverse control cable of the car stereo.
5. Installation is complete.

4.2. Wiring for Car-Specific Car Stereos (with CAN Bus)

1. Connect the red +12V wire of the camera to the positive wire of the car's reverse light.
2. Connect the black GND wire to the negative wire of the car's reverse light.
3. Connect the RCA output of the camera to the rear camera input of the car stereo.
4. Installation is complete. *Note: You do not need to connect the reverse trigger wire if the car stereo comes with a CAN Bus.*

For optimal performance, ensure all connections are secure and properly insulated.

5. OPERATION

Once installed, the Eonon A0125 Backup Camera operates automatically when the vehicle is shifted into reverse gear. The camera feed will display on your compatible Eonon Android Car Stereo screen.

- **Automatic Activation:** The camera system is designed to activate automatically when the vehicle's transmission is put into reverse.
- **Display:** The video feed from the camera will be shown on your connected Eonon Android Car Stereo display.
- **Parking Guidelines:** Depending on your car stereo model, dynamic or static parking guidelines may be overlaid on the camera feed to assist with parking maneuvers.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Eonon A0125 Backup Camera, follow these simple maintenance guidelines:

- **Regular Cleaning:** Periodically clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Inspect Connections:** Occasionally check all wiring connections to ensure they remain secure and free from corrosion.
- **Avoid High-Pressure Washing:** While the camera is waterproof, avoid directing high-pressure water jets directly at the camera, as this could potentially damage seals over time.
- **Environmental Protection:** Despite its IP68 rating, extreme temperatures or prolonged exposure to harsh chemicals should be avoided.

7. TROUBLESHOOTING

If you encounter issues with your Eonon A0125 Backup Camera, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen when reversing.	<ul style="list-style-type: none">◦ Loose or incorrect wiring connections.◦ Camera not receiving power.◦ Incorrect car stereo settings.◦ Faulty camera or cable.	<ul style="list-style-type: none">◦ Check all power, ground, and RCA video connections. Ensure they are secure.◦ Verify the camera's +12V and GND wires are correctly connected to the reverse light circuit.◦ Confirm the car stereo is set to automatically switch to the rear camera input when reverse is engaged.◦ Test with another known-good camera or cable if possible.
Image is blurry or unclear.	<ul style="list-style-type: none">◦ Dirty camera lens.◦ Low resolution setting on stereo (if applicable).◦ Damaged camera lens.	<ul style="list-style-type: none">◦ Clean the camera lens thoroughly with a soft cloth.◦ Ensure your Eonon stereo is configured for the highest possible video input resolution.◦ Inspect the lens for scratches or cracks.

Problem	Possible Cause	Solution
Image flickers or is distorted.	<ul style="list-style-type: none">◦ Interference from vehicle electrical system.◦ Loose video connection.◦ Ground loop issue.	<ul style="list-style-type: none">◦ Ensure video cables are routed away from high-current wires.◦ Check RCA video cable connections at both ends.◦ Consider installing a ground loop isolator if interference persists.

If the problem persists after attempting these solutions, please contact Eonon customer support for further assistance.

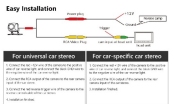





8. SPECIFICATIONS

Feature	Detail
Model Number	A0125
Brand	EONON
Video Capture Resolution	720p (1280x720 pixels)
Viewing Angle	140° (Adjustable Vertical)
Waterproof/Dustproof Rating	IP68
Optical Sensor Technology	CMOS
Lux Rating	0.1 Lux
Voltage	12 Volts
Product Dimensions (L x W x H)	0.91" x 0.91" x 0.91"
Item Weight	5.6 ounces
Installation Type	Surface Mount
Compatible Devices	Eonon Android Car Stereos (GMA12S, UA12S-PLUS, E46A12S, VWA12S, E90A12S, Q80SE, etc.)

9. WARRANTY & SUPPORT

Eonon products are designed for reliability and performance. For specific warranty details and technical support, please refer to the warranty card included with your product or visit the official Eonon website. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, you may contact Eonon customer service through their official channels.

Related Documents - A0125

	<p>Easy Installation Guide: Car Backup Camera</p> <p>Comprehensive guide for installing a car backup camera, detailing connections for both universal and car-specific stereo systems. Includes wiring diagram explanation.</p>
	<p>Eonon VWA12S User Manual: Features, Installation, and Operation Guide</p> <p>Comprehensive user manual for the Eonon VWA12S car infotainment system. Covers product overview, features like Wireless CarPlay and Android Auto, GPS navigation, Bluetooth, settings, and troubleshooting for your Eonon VWA12S car stereo.</p>
	<p>A0126N AHD Rear View Camera Installation and Specifications</p> <p>Detailed specifications and installation guide for the A0126N AHD Rear View Camera. Learn about its features, wiring, and troubleshooting.</p>
	<p>BMW 3 Series (E90/E91/E92/E93) 2005-2011 Eonon Head Unit Installation Manual</p> <p>Comprehensive installation manual for Eonon car stereo head units in BMW 3 Series (E90, E91, E92, E93) models manufactured between 2005 and 2011. This guide provides detailed, step-by-step instructions for removing the factory radio and air conditioning controls, wiring the new unit, and fitting it into the dashboard. It covers essential steps such as checking console compatibility, using specialized tools, connecting harnesses, and testing features.</p>
	<p>Eonon P3 User Manual: Installation, Features, and Connectivity</p> <p>Comprehensive user manual for the Eonon P3 car multimedia player. Learn about installation, product features, connectivity options like Apple CarPlay and Android Auto, screen mirroring, and find solutions in the FAQ section.</p>
	<p>Eonon Q63Pro Installation Manual for Mazda 3 (2010-2013)</p> <p>Detailed installation guide for the Eonon Q63Pro 9-inch Android 10 car stereo head unit in Mazda 3 vehicles (2010-2013). Covers GPS, CarPlay, Android Auto, DSP, Bluetooth, and more.</p>