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› Epronic AHD1080P 4 Pin Backup Camera Instruction Manual

Epronic AHD-7

Epronic AHD1080P 4 Pin Backup Camera Instruction Manual

Model: AHD-7

INTRODUCTION

This manual provides comprehensive instructions for the Epronic AHD1080P 4 Pin Backup Camera. This camera is designed to enhance vehicle safety by providing clear rear or front views when connected to a compatible mirror dash cam. Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance.

COMPATIBILITY

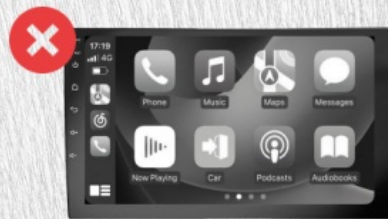
This backup camera is specifically designed for mirror dash cams equipped with a 2.5mm AV-IN port and that support the AHD-1080P-25hz PAL video format. It is crucial to verify your mirror dash cam's specifications before connecting this camera.

- **Supported Format:** AHD-1080P-25hz PAL.
- **Incompatible Formats:** This camera is **not compatible** with Carplay screens, mirror monitors, GPS units, or devices using "CVBS" or "Tvi" video formats.

INCOMPATIBLE



Carplay screen with dash cam



Car radio/stereos



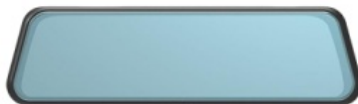
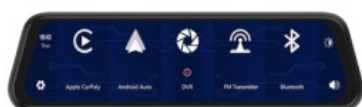
Carplay screens



Android radio/
Head units

This image illustrates compatible mirror dash cams that support a 1080P rear view camera connection.

Backup Camera for Mirror Dash Cam



2.5mm



4 Pin

- 4PIN Female Plug**
- 1.UNDEFINED
 - 2.Power DC 5V
 - 3.GND-
 - 4.Video single

This image shows examples of devices that are not compatible with this backup camera, such as Carplay screens with dash cams, standalone Carplay screens, and car radio/head units.

WHAT'S IN THE BOX

Upon opening the package, please ensure all the following components are present:

- 1 x Epronic Car Rear View Camera (4-pin end camera)
- 1 x 4-pin 19.68ft (5.5m) Extension Cable (2.5mm to 4-pin)
- 1 x Installation Manual
- 2 x Metal Brackets (for mounting)

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What's in the box?



4PIN Female Plug
1.UNDEFINED
2.Power DC 5V
3.GND-
4.Video single



1*4pin end camera



**1*18ft extension
cord(2.5mm to 4pin)**



1*Installation tool

The package includes one 4-pin end camera, one 18ft (5.5m) extension cord (2.5mm to 4-pin), and installation tools (metal brackets and screws).

SETUP AND INSTALLATION

Follow these steps to properly install your Epronic backup camera:

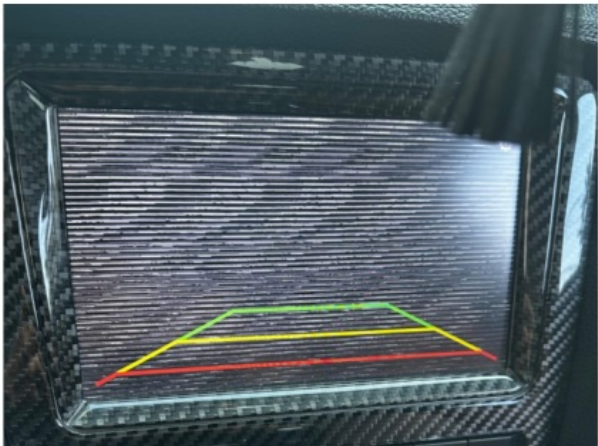
1. **Mounting the Camera:** Choose a suitable location at the rear of your vehicle, typically above the license plate or near the trunk handle. The camera supports surface mount installation. Secure the camera using the provided metal

brackets and screws.

- 2. **Connecting the Power:** Locate the red wire from the camera's power cable. This wire (12V input) must be connected to your vehicle's reversing light power supply. This ensures the camera activates automatically when the vehicle is put into reverse.
- 3. **Connecting to Dash Cam:** Route the 19.68ft (5.5m) extension cable from the camera to your mirror dash cam. Connect the 4-pin end of the extension cable to the camera and the 2.5mm jack end to the AV-IN port on your mirror dash cam. Ensure all connections are secure.

IMPORTANT NOTICE

It is not necessarily a camera malfunction when the following occurs, make sure the signal modes of the Mirror cam are the same.



Frame	Camera
NTSC	PAL
AHD 720p 25fps	AHD 720p 30fps
TVI 720p 25fps	TVI 720p 30fps
AHD 1080p 25fps	AHD 1080p 30fps
TVI 1080p 25fps	TVI 1080p 30fps

This diagram illustrates how to connect the backup camera to your mirror dash cam. The red wire (12V input) connects to the vehicle's reversing light. The cable features a 2.5mm jack to a 4-pin male connector.

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Two Installation Methods

(1)



(2)



This image demonstrates two typical installation methods for the camera, either mounted above the license plate or near the trunk handle, with the 19.68ft extension cable.

OPERATING INSTRUCTIONS

Once installed, the camera operates in conjunction with your mirror dash cam:

- **Automatic Activation:** When connected to the reversing light, the camera will automatically display the rear view on your mirror dash cam when you shift into reverse gear.
- **Front/Rear View Switching:** The camera supports switching between front and rear view images. Refer to the specific instructions provided with your mirror dash cam for how to activate this feature, which may involve cutting a short wire on the camera cable.
- **Night Vision:** The camera is equipped with night vision capabilities to provide clear images in low-light conditions.
- **Waterproof Design:** The camera is designed to be waterproof, protecting it from rain and car washes.
- **Wide Viewing Angle:** The wide-angle lens provides an expansive view, assisting with safe parking and reversing maneuvers.

COMPATIBLE



**Mirror Dash Cam support
1080P rear view camera**

INCOMPATIBLE



Carplay Screen with dash cam

This image shows the camera's view displayed on a mirror dash cam, featuring dynamic parking guidelines to assist with reversing.



This image illustrates the camera's wide field of view and parking assistance features, aiding in precise vehicle positioning.

MAINTENANCE

To ensure the longevity and optimal performance of your backup camera, follow these simple 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 using abrasive cleaners.
- **Checking Connections:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.
- **Cable Management:** Ensure the extension cable is properly routed and secured to prevent it from being pinched, cut, or exposed to excessive heat.

TROUBLESHOOTING

If you encounter issues with your Epronix backup camera, consider the following common solutions:

- **No Image or Distorted Image:**

This notice highlights that image issues like distortion or flickering can occur if the camera's signal mode (e.g., AHD 1080P 25fps PAL) does not match the mirror dash cam's supported signal modes. Ensure both devices use compatible AHD-1080P-25hz PAL format.

- **Camera Not Activating:**

- Check the power connection to the reversing light. Ensure the red wire is correctly connected and receiving 12V when reverse gear is engaged.
 - Verify the 4-pin extension cable is securely connected at both the camera and dash cam ends.
- **Incorrect View (Front/Rear):**
 - If the image is mirrored or not the desired orientation, consult your mirror dash cam's manual for settings to flip or adjust the image. Some cameras allow switching by cutting a specific wire.

SPECIFICATIONS

Brand: Epronic

Model Number: AHD-7

Product Dimensions: 5.1L x 2.5W x 2.5H centimetres (5.08 x 2.54 x 2.54 cm)

Item Weight: 150 g

Compatible Devices: Only for HD 1080P mirror dash cam

Installation Type: Surface Mount

Voltage: 12 volts DC

Optical Sensor Technology: CCD CMOS

Lens Type: Wide Angle

Real Angle of View: 120 degrees

Connector Type: 2.5mm Jack, 4PIN

Optical Sensor Size: 1/3 inch

Effective Still Resolution: 1080 pixels

Video Capture Resolution: 1080p

Video Capture Format: AHD

WARRANTY AND SUPPORT

For any questions, concerns, or technical assistance regarding your Epronic backup camera, please contact our customer support. You can typically reach us through your order number on the platform where you purchased the product, or by clicking on "Epronic Store" and then "Ask a question" on the product page.

Please retain your proof of purchase for warranty claims.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question