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› Car Rearview Camera User Manual

Airpuxem P086-EU6-ZQ

Airpuxem Car Rearview Camera User Manual

Model: P086-EU6-ZQ



INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Airpuxem Car Rearview Camera (Model: P086-EU6-ZQ). Please read this manual carefully before use to ensure proper functionality and safety.

WHAT'S IN THE BOX

Verify that all components are present in the package:

- Rearview Camera (1)
- Camera Cable (6m/19.7ft) (1)
- Screwdriver and Screws (1 set)
- Binaural Mounting Cover (1)

Signal Interference Problems



ASIN: BOCYZ6NDR3
(Not included in the product list)

- ① German and American Cars: Prone to signal interference.
- ② Excluding mode problems, appeared problem of "screen stopping abruptly" or "black screen".
- ③ Use filter rectifier to solve it.



Product List

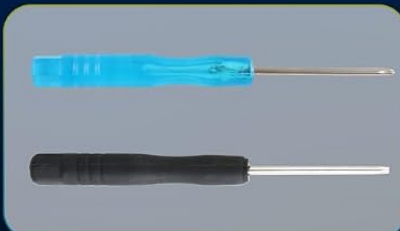


Image: Package contents including the camera, cable, mounting accessories, and tools. The image also shows a product list with individual components.

SPECIFICATIONS

Feature	Description
Brand	Airpuxem
Model	P086-EU6-ZQ

Video Resolution	1080p (AHD), 720p (AHD)
Signal Formats	AHD 1080P 25fps, AHD 720P 25fps, NTSC, PAL
Voltage	DC 12V-24V
Lens Type	Wide-angle
Real Viewing Angle	170 Degrees
Rotation	360° + 45° adjustable
Night Vision	Starlight level, F1.8 aperture, 0.01 Lux
Waterproof Rating	IP69
Material	Zinc alloy
Dimensions	13 x 8.2 x 5.6 cm; 240 grams (Product)
Compatible Devices	Monitors with RCA connector

High Quality Upgrade Reversing Camera

Airpuxem

Supports 4 Signal Switch



- ✓ NTSC
- ✓ PAL
- ✓ AHD 720P 25fps
- ✓ AHD 1080P 25fps



Other

Only 1 Signal Mode (CVBS)



Easy mode selection with one click



Cutting the wire, easy to misjudge



Anti
Interference



Support
12-24V



4PIN design



Low Heat
Buck Plate



Image: Key features of the Airpuxem camera, including support for 4 signal formats (NTSC, PAL, AHD 720P, AHD 1080P), easy mode selection via button, anti-interference cable, 4-pin connector, and low heat buck plate for stable power.



Image: The camera is constructed from durable, waterproof materials, indicated by the metal bars and water splash icon, ensuring longevity and resistance to environmental elements.

SETUP AND INSTALLATION

1. Mounting Methods

The camera offers three versatile mounting options to suit various vehicle types and preferences:

1. **Screw Mounting Fixation:** Traditional screw-in method for secure attachment.
2. **Small Hole Screw Mounting:** Utilizes smaller screws for a less intrusive installation.
3. **No Drilling Required:** Uses the provided binaural mounting cover with adhesive for installation without drilling.

Universal Four Signal Formats

Supports left and right mirror original image



Press for 3 seconds to switch

Signal Formats	Mirror Image	Original Image
NTSC	√	√
PAL	√	√
AHD 720P 25fps	√	√
AHD 1080P 25fps	√	√

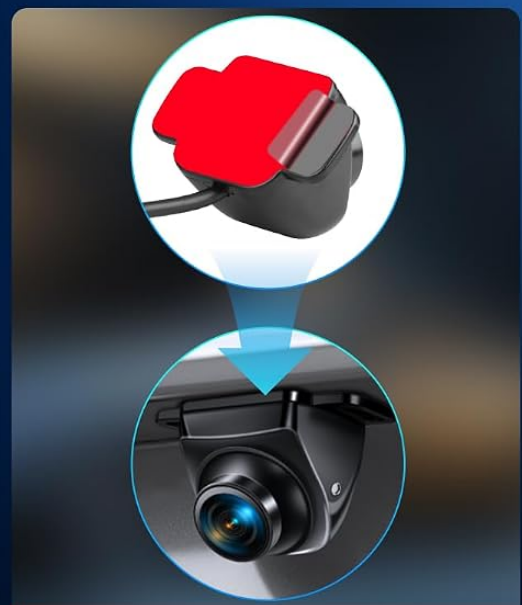
Choice of Three Mounting Methods



Screw Mounting Fixation



Small Hole Screw Mounting



No Drilling Required

Image: Illustration of the three available mounting methods for the camera, including screw fixation, small hole screw mounting, and an adhesive option that requires no drilling.

2. Adjusting the Camera Angle

The camera features 360° rotation and an additional 45° adjustment capability, allowing you to set the optimal viewing angle. Use the provided wrench to adjust the fixing angle as needed.

360°Unlimited Position Mounting



Image: The camera's flexible design allows for 360-degree rotation and 45-degree tilt adjustment, ensuring a customizable field of view. A wrench is used for precise angle adjustments.

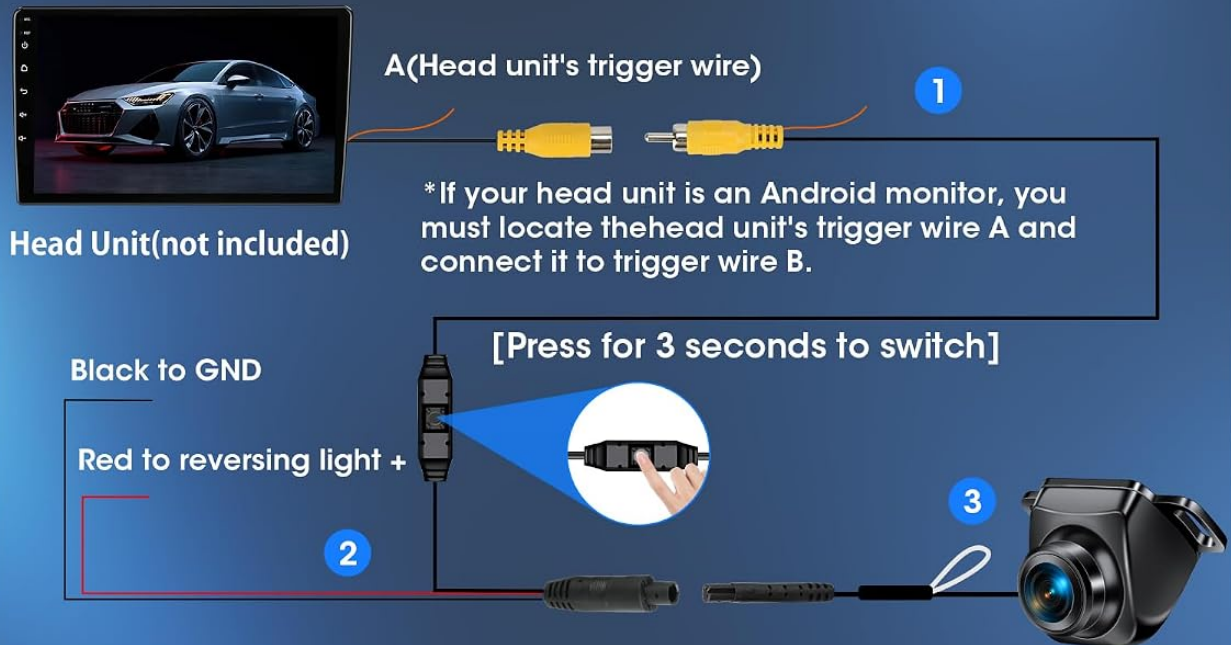
3. Wiring Diagram

Follow the wiring diagram carefully for correct installation. The camera is compatible with DC 12V-24V systems and connects to your car's monitor or navigation unit via an RCA connector.

- Connect the black wire to GND (Ground).
- Connect the red wire to the reversing light positive (+).
- Connect the video cable (yellow RCA) to your head unit/monitor.

- If your head unit is an Android monitor, locate its trigger wire (A) and connect it to the camera's trigger wire (B).

Wiring Diagram



1. Monitor (not included)
2. Camera Power Source
3. Rear Camera



Image: A comprehensive wiring diagram illustrating how to connect the camera to the vehicle's head unit, power source (reversing light), and ground. It also highlights the trigger wire connection for Android monitors.

4-Pin Connector Definition:

- 1 Pin: Positive (Red Wire)
- 2 Pin: Ground (Black Wire)
- 3 Pin: Video (Yellow Wire)

OPERATING INSTRUCTIONS

1. Switching Signal Formats

The camera supports four video signal formats: AHD 1080P 25fps, AHD 720P 25fps, NTSC, and PAL. To switch between modes, press the button on the cable for 3 seconds until the desired mode is active.

Universal Four Signal Formats

Supports left and right mirror original image

NTSC

PAL

AHD 1080P 25fps

AHD 720P 25fps

Press for 3 seconds to switch

Signal Formats	Mirror Image	Original Image
NTSC	✓	✓
PAL	✓	✓
AHD 720P 25fps	✓	✓
AHD 1080P 25fps	✓	✓

Choice of Three Mounting Methods

Screw Mounting Fixation

Small Hole Screw Mounting

No Drilling Required

Image: Instructions for switching between universal signal formats (NTSC, PAL, AHD 720P, AHD 1080P) using a dedicated button on

the cable. A table indicates mirror and original image support for each format.

2. Mirror/Original Image Switching

The camera supports switching between mirror image (for rearview) and original image (for front view). This is typically controlled by the same button used for signal format switching or a separate wire loop, depending on the specific model configuration. Refer to the signal format image for details on which formats support both mirror and original images.

3. Displaying Reversing Guidelines

To activate the reversing guidelines on your monitor, locate the white wire loop on the camera cable and cut it. After cutting, ensure all wiring is disconnected from the product, then reconnect the monitor and restart it for the changes to take effect.



Image: To enable reversing guidelines, cut the designated white wire loop on the camera cable. This action will activate the visual parking assistance lines on your display.

170° Wide Angle Safe Reversing



Cut white wire loop,
show the guide line



Image: The camera provides a 170-degree wide-angle view for safe reversing. Cutting the white wire loop on the cable activates the parking guidelines on the monitor, aiding in precise maneuvering.

4. Night Vision

The camera features Starlight Night Vision technology with an F1.8 aperture and a high-precision AHD chip. This enhances light capture and sensitivity in low-light conditions, providing clear and detailed images at night.

Starlight Night Vision Technology

Sharp, detailed images in low light



Our With Night Vision



Other Without Night Vision



Image: This illustration highlights the superior performance of the camera's Starlight Night Vision technology, showing a sharp, detailed image in low light compared to a standard camera without this feature.

MAINTENANCE

- **Cleaning:** Regularly clean the camera lens with a soft, damp cloth to ensure a clear view. Avoid abrasive cleaners.
- **Inspection:** Periodically check all connections and mounting points to ensure they are secure.
- **Waterproof:** The camera has an IP69 waterproof rating, but avoid directing high-pressure water jets directly at

the lens or connections.

TROUBLESHOOTING

- **No Image or Incorrect Display:**

Ensure that the signal format of the camera (AHD 1080P/720P/NTSC/PAL) matches the input format supported by your monitor. Press the mode switch button for 3 seconds to cycle through formats. Also, check all cable connections for proper seating.

- **Screen Stopping Abruptly or Black Screen (Signal Interference):**

Some vehicles, particularly German and American cars, may be prone to signal interference. If you experience issues like the screen stopping abruptly or a black screen, it is recommended to use a car camera filter (rectifier) to stabilize the signal. This component is not included with the camera.

Signal Interference Problems



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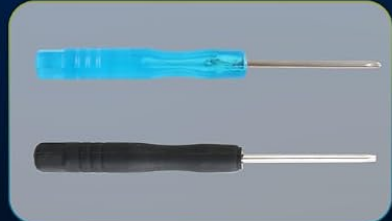


Image: This section addresses signal interference issues, particularly in certain car models, which can lead to display problems. It suggests using an external car camera filter (rectifier) to resolve these issues.

- **No Reversing Guidelines:**

Verify that the white wire loop on the camera cable has been cut. Remember to disconnect and reconnect all wiring, then restart your monitor after cutting the wire for the change to register.

- **Camera Not Compatible with Dash Cams or Mirror Cameras:**

This rearview camera is designed for use with car monitors or navigation units with RCA connectors. It is not compatible with integrated car cameras (dash cams) or rearview mirrors with built-in cameras.



Image: This camera is not designed for direct connection to dash cameras or integrated mirror cameras. It requires a monitor or navigation unit with an RCA input.

WARRANTY AND SUPPORT

The Airpuxem Car Rearview Camera comes with a **12-month warranty** from the date of purchase. For any issues, technical assistance, or warranty claims, please contact our support team. An email address for support is provided in the manual included in your product package.

