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## Jansite JM-P31-E-EU2

# Jansite AHD 1080P 170° Wide Angle Rear View Car Camera

MODEL: JM-P31-E-EU2

Instruction Manual

## Introduction

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This manual provides comprehensive instructions for the Jansite AHD 1080P 170° Wide Angle Rear View Car Camera, Model JM-P31-E-EU2. Please read this manual thoroughly before installation and operation to ensure correct usage and optimal performance. This camera is designed to enhance your vehicle's rear visibility, offering a wide-angle view and clear imaging for safer reversing and parking.

## Product Features

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- **AHD 1080P High-Resolution Imaging:** Utilizes a 1-megapixel CCD sensor with 3D noise reduction for clear, sharp, and color-accurate images.
- **170° Wide Viewing Angle:** Provides an expansive field of view to minimize blind spots, offering a comprehensive perspective behind your vehicle.
- **Adjustable Lens & 360° Rotation:** The camera lens can be rotated 360° and adjusted by 45° to achieve the optimal viewing angle for any installation position.
- **Triple Control Modes:** Features selectable video output (AHD 1080P or CVBS), switchable front/rear view, and optional parking guidelines, controlled by cutting specific wires.
- **Integrated Step-down Module:** Ensures stable power delivery and prevents overheating.
- **Double-Shielded Video Cable:** Provides stable video signal transmission, reducing interference and delays.
- **IP69K Waterproof Rating:** Fully sealed design ensures reliable operation in all weather conditions, resistant to water, fog, and extreme temperatures.
- **Wide Voltage Compatibility:** Supports 12V-24V vehicle electrical systems.
- **Compact Design:** Miniaturized form factor for discreet and versatile installation.
- **Night Vision:** Enhanced low-light performance for clear visibility in dark conditions.

## Package Contents

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Please check the package contents upon receipt:

- Jansite AHD Rear View Camera (Model JM-P31-E-EU2)
- Video Cable (RCA connector)
- Power Cable
- Mounting Hardware (screws, wrench for adjustment)
- User Manual (this document)

## Safety Information

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Adhere to the following safety guidelines during installation and operation:

- Ensure the vehicle's power is disconnected before installation to prevent electrical shock or damage.
- Route cables carefully to avoid interference with vehicle moving parts, sharp edges, or heat sources.
- Do not obstruct the driver's view or interfere with vehicle safety systems during installation.
- This camera is an aid for reversing and parking; always check your surroundings directly.
- Only use the camera within its specified voltage range (12V-24V).

## Installation Guide

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Follow these steps for proper installation of your Jansite rear view camera:

1. **Mounting Location Selection:** Choose a suitable location at the rear of your vehicle that provides an unobstructed view. The camera's mini design allows for versatile surface mounting.

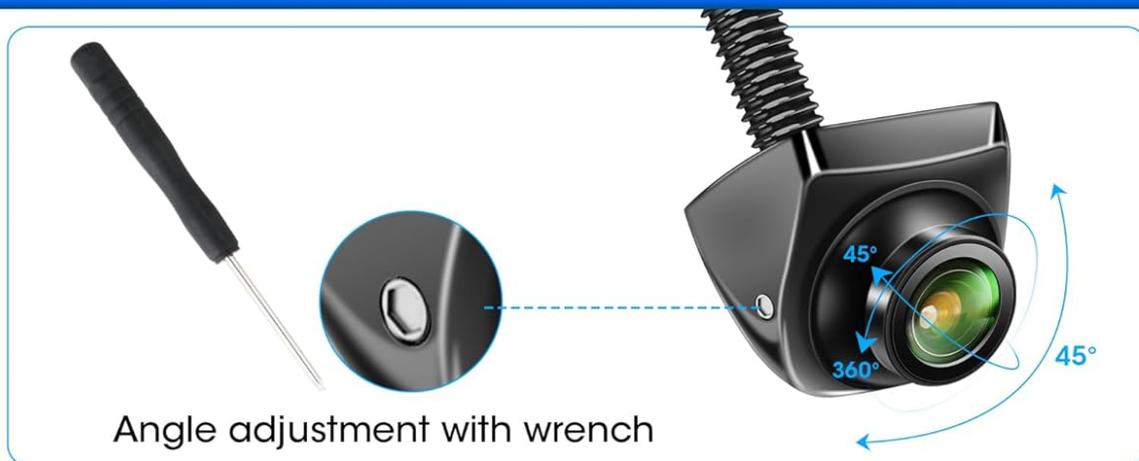
## Multiple Mounting Positions for More Versatile



Image: Examples of various installation positions for the camera, including normal, horizontal, and upside-down mounting, with real-shot examples.

2. **Secure Mounting:** Use the provided screws to firmly attach the camera to the chosen surface.
3. **Angle Adjustment:** The camera lens can be rotated 360° and adjusted by 45° up or down. Use the included wrench to fix the lens at the optimal viewing angle.

## Adjustable Camera Body & Mini Size



## Fixed Lens



Four simple steps to fix the lens, so that you will not be misplaced in the process of driving the lens.



Image: The camera's adjustable lens (45° up/down, 360° rotation) and its compact dimensions compared to a 20 Euro cent coin.

### 4. Wiring:

- Connect the camera's power cable to your vehicle's reverse light power supply (typically 12V) or a constant 12V-24V power source if using for continuous monitoring.
- Connect the video cable (RCA connector) from the camera to your compatible display unit (e.g., car stereo, aftermarket LCD/TFT screen).
- **Important Compatibility Note:** This camera is compatible ONLY with car stereos, head units, OEM navigation systems, stereo displays, DVD players, or rearview mirror monitors that accept standard RCA input. It is NOT suitable for dash cams or mirror dash cams due to different connector and PIN definitions.

# Avvisi importanti

Telecamera di retromarcia compatibile SOLO con stereo/  
Unità principale/ Navigazione OEM di fabbrica/ Display stereo/  
Lettore DVD/ Monitor specchietto retrovisore.

Questa telecamera di backup non si adatta tipo succhiato dash cam e specchio dash cam, perché questi dash cam hanno connettori diversi e definizione PIN



Image: Visual warning about compatibility, showing incompatible dash cams.

## Operating Instructions

The camera features three control modes activated by cutting specific wires on the video cable. Perform these modifications *before* final installation if needed.

### 1. Guideline ON/OFF:

- **Default:** Parking guidelines are ON.
- To turn guidelines OFF: Cut the **green wire loop**.

### 2. Video Signal Output (AHD 1080P / CVBS):

- **Default:** AHD 1080P (25FPS). This is suitable for AHD-compatible displays.
- To switch to CVBS signal: Cut the **orange wire loop**. CVBS is compatible with most older or non-AHD displays.

### 3. Front/Rear View Switching (Mirror Image / Positive Image):

- **Default:** Mirror Image (Rear View).
- To switch to Positive Image (Front View): Cut the **white wire loop**. This is useful if installing the camera as a front camera.

### 3 Control Modes, Switch Cable to Activate Further Functions

#### ◆ Guideline ON to Guideline OFF



#### ◆ 1080P AHD to CVBS Video Signal



#### ◆ Mirror Image (Rear View) to Positive Image(Front View)



Image: Illustration of the three control modes activated by cutting specific wires: guideline ON/OFF, AHD 1080P to CVBS signal switching, and mirror image (rear view) to positive image (front view).

4. **Display Settings:** After installation, access your display unit's settings to select the correct reversing system (e.g., AHD 1080P 25fps or CVBS) if applicable.

## Come impostare l'obiettivo posteriore

Le lenti con segnali video CVBS sono disponibili per tutti i monitor, ma le lenti AHD sono disponibili solo per i monitor AHD!

Se la configurazione non è la stessa dei punti uno e due, è possibile collegare l'obiettivo posteriore e riprovare il punto tre.

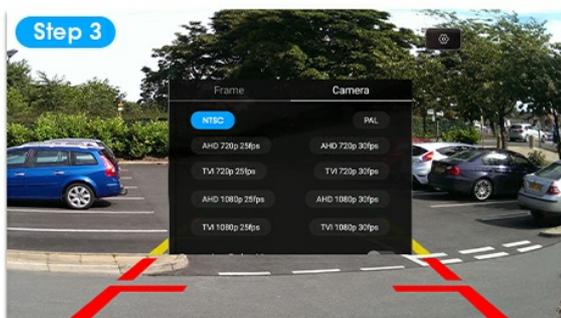
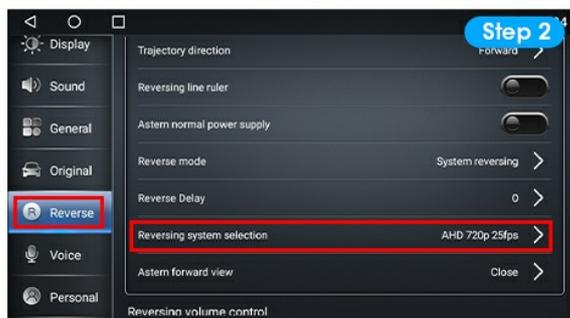


Image: Example of a car stereo interface showing settings for reversing system selection, including AHD 720p 25fps and AHD 1080p 25fps.

## Maintenance

To ensure the longevity and optimal performance of your camera, follow these maintenance tips:

- **Cleaning:** Regularly clean the camera lens with a soft, damp cloth to ensure clear visibility. Avoid abrasive cleaners.
- **Waterproof Design:** The camera features an IP69K waterproof rating, making it resistant to high-pressure water jets and submersion. No special waterproofing maintenance is required.

# IP69K High Waterproof Level



No need to worry about rainy days and car washes!



Image: The camera submerged in water, emphasizing its IP69K waterproof rating and robust housing, with examples of use in rain, snow, and desert conditions.

- **Cable Inspection:** Periodically check cables for any signs of wear or damage, especially where they pass through vehicle bodywork.

## Troubleshooting

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

- **No Image on Display:**
  - Check all cable connections (power, video) are secure.
  - Ensure the camera is receiving power (e.g., reverse lights are on).
  - Verify your display unit is set to the correct video input.
  - Confirm the video signal type (AHD/CVBS) matches your display and the camera's wire-cut

configuration.

- **Fuzzy or Distorted Image:**

- Clean the camera lens.
- Check video cable for damage or kinks.
- Ensure the video signal type (AHD/CVBS) is correctly configured for your display.
- Verify the display unit's resolution settings.

- **Incorrect View (Mirror/Front):**

- Check the white wire loop on the camera cable. Cut it if you need front view, leave it intact for rear view.

- **No Parking Guidelines:**

- Check the green wire loop on the camera cable. Cut it if you want guidelines OFF, leave it intact for guidelines ON.

- **Interference/Signal Noise:**

- Ensure the double-shielded video cable is used and routed away from strong electrical interference sources.
- Verify power connections are stable and free from fluctuations.

## Specifications

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Feature	Detail
Brand	Jansite
Model Number	JM-P31-E-EU2
Resolution	AHD 1080P (1 Megapixel effective)
Viewing Angle	170 degrees (horizontal and vertical)
Lens Type	Optical Glass Lens, Fixed Wide Angle, 2.0mm Focal Length
Optical Sensor Technology	CCD
Optical Sensor Size	1/4 inch
Video Output	AHD 1080P (default), switchable to CVBS
Control Modes	Parking Guideline ON/OFF, Front/Rear View Switch, AHD/CVBS Switch
Adjustability	360° Rotation, 45° Angle Adjustment
Waterproof Rating	IP69K
Voltage Compatibility	12V-24V DC
Dimensions	28mm (L) x 28mm (W) x 25mm (H)
Connector Type	RCA

Special Features	Integrated Step-down Module, Double-Shielded Video Cable, Super Night Vision
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## **Warranty and Support**

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For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official Jansite website. Keep your proof of purchase for warranty claims.