

## Jansite B09WMS9D59

# Jansite AHD&CVBS 2-in-1 Backup Camera Instruction Manual

Model: B09WMS9D59

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Jansite AHD&CVBS 2-in-1 Backup Camera. This camera is designed to enhance vehicle safety by providing clear rear-view imaging, supporting both AHD (Analog High Definition) and CVBS (Composite Video Broadcast Signal) video formats, and featuring enhanced night vision capabilities.

## PRODUCT FEATURES

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### AHD and CVBS Signal Options

The camera supports both AHD and CVBS video signal outputs, allowing compatibility with a wide range of monitors. AHD provides a significantly clearer image compared to traditional CVBS, especially in low-light conditions.

# CVBS And AHD Signal Image Option

AHD Video Signal Image Is Much Clearer Than CVBS

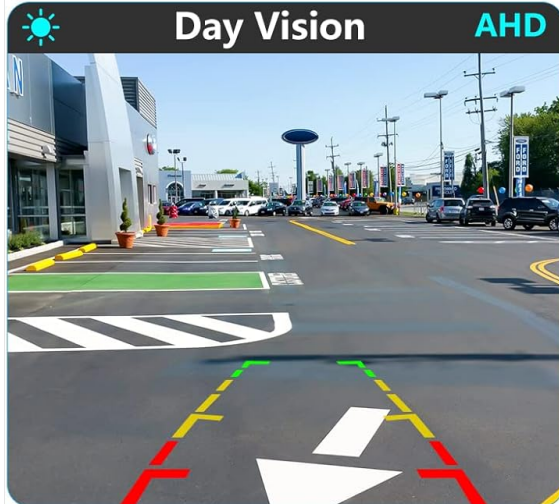


Image: Comparison of AHD and CVBS video quality in day and night vision, demonstrating AHD's superior clarity.

## Adjustable Viewing Modes

The camera offers customizable settings for parking guidelines, video signal type, and image orientation. These settings are adjusted by cutting specific wire loops on the camera's cable. Always power off the camera before cutting any wire loops and power on again afterward for changes to take effect.

**Note: After Cutting Any Color Wire Loop, Please Power On Again!**

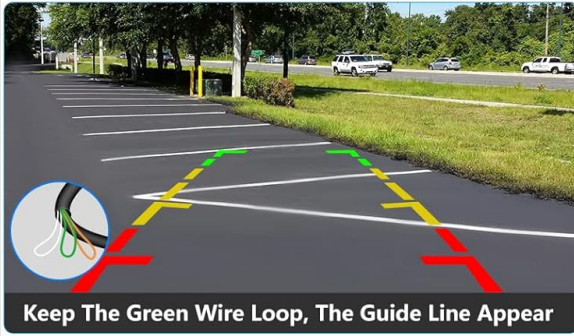


Image: Diagram illustrating the wire loops for controlling parking guidelines, video signal output, and image mirroring.

### **Optimal 140-Degree Wide Angle Lens**

The camera features a 140-degree wide-angle lens, providing a balanced field of view that reduces blind spots without significant distortion. This angle is recommended for accurate and useful reversing assistance.

**170°**



**170 Large Angle Will Make Picture To Be Distorted & Fish-Eye Effect objects Appear To Further Away, This Is Very Dangerous for The Drivers If They Want To Use Cameras For Exact Parking ,Not Only For Reference NOT Recommend !**

**140°**



**Using a LATEST 6pcs FULL Glasses Large-Aperture Optical System, So The Picture Without Any Distorted & Fish-Eye effect, You Will Get a REAL Picture When You Backing Up, View Angle Is Wide, And The Picture Is Clear At Night. No Grainy Issue. High Recommend !**

**90°**



**Too Small Angle, The View Of Image Is Too Narrow. Basic Vision Can Not Reach, Lead To Be Not Useful. NOT Recommend!**

**Rear blind area potential reversing hazard!**

- 1. Kids in blind spots**
- 2. Novice driver reversing dilemma**
- 3. Stop and move the car to the blind spot**





Image: Visual comparison of different camera viewing angles, highlighting the optimal 140-degree view for reversing.

### Enhanced Night Vision and Image Quality

Equipped with advanced optical sensor technology, the camera automatically adjusts to various lighting conditions, providing clear images in bright light, underground parking, and low-light night environments.

## Bright Light Environment



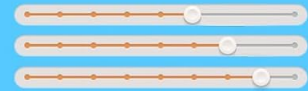
## Underground Car Park



## Night Vision



Automatic  
Adjustment To  
Balance



AHD Camera  
No worry image effect



Image: Examples of camera image quality in various lighting conditions, including bright daylight, underground parking, and night vision.

## Stable Signal Transmission and 4PIN Connector

The camera system includes a regulated power supply and a 25.75ft RCA cable with copper wiring to ensure stable signal transmission. The mini 4PIN connector design simplifies installation and saves time.

# AHD/CVBS Backup Camera

3 Control Modes & 140° Golden Wide Angle



AHD Display



1 Million Pixels



Guide Line



IP69k  
Waterproof



Wide Angle  
Lens



Night Vision



-4°~167°F



Mirrored  
Non-Mirrored



Image: Illustration of the stable signal transmission components and the compact 4PIN connector.

## SETUP AND INSTALLATION

### Wiring Diagram

Follow the diagram below for proper connection of the backup camera system. This camera is suitable for both rear and front view applications, but the head unit is not included.

## Stable Signal



Regulated Power Supply And 25.75ft  
RCA Cable Consisting Of Copper  
Ensure Stable Signal Transmissio



## 4PIN Connector



Mini 4PIN Connector, So It Is  
Very Convenient For Connection.  
Effectively Save Your Installation  
time.



## Dispaly Mode Switching



Cut White Coil Switch To Front/rear View  
Cut Green Coil To Switch With/without Reversing  
Guide Line.Cut The Orange Wire Loop To Switch To  
AHD/CVBS Video Signal Output.

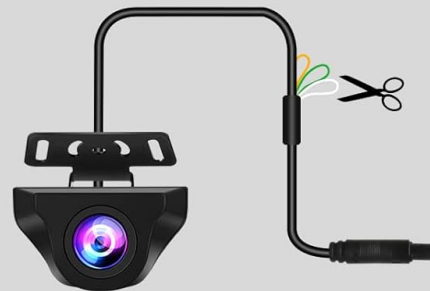


Image: Detailed wiring diagram showing connections to the car radio, camera power source, and reversing lamp.

1. **Connect to Car Radio:** Connect the RCA video cable from the camera to the video input of your car radio/monitor.
2. **Camera Power Source:** Connect the camera's red wire to the positive (+) terminal of your vehicle's reversing lamp. Connect the black wire to a ground (-) point.
3. **Trigger Wire (Optional):** If your head unit requires a trigger signal for reverse, connect the trigger wire (usually a thin red wire integrated with the RCA cable) from the camera's power line to the head unit's reverse trigger input.

## Component Overview

Ensure all components are present before beginning installation.

# Wiring Diagram



1 Car radio

2 Camera Power Source

3 Camera



Car radio

\*This Car Reverse Camera Is Perfect For Rear And Front View,Head Unit NOT Include.

A(Head Unit's Trigger Wire)

B(Trigger Wire)

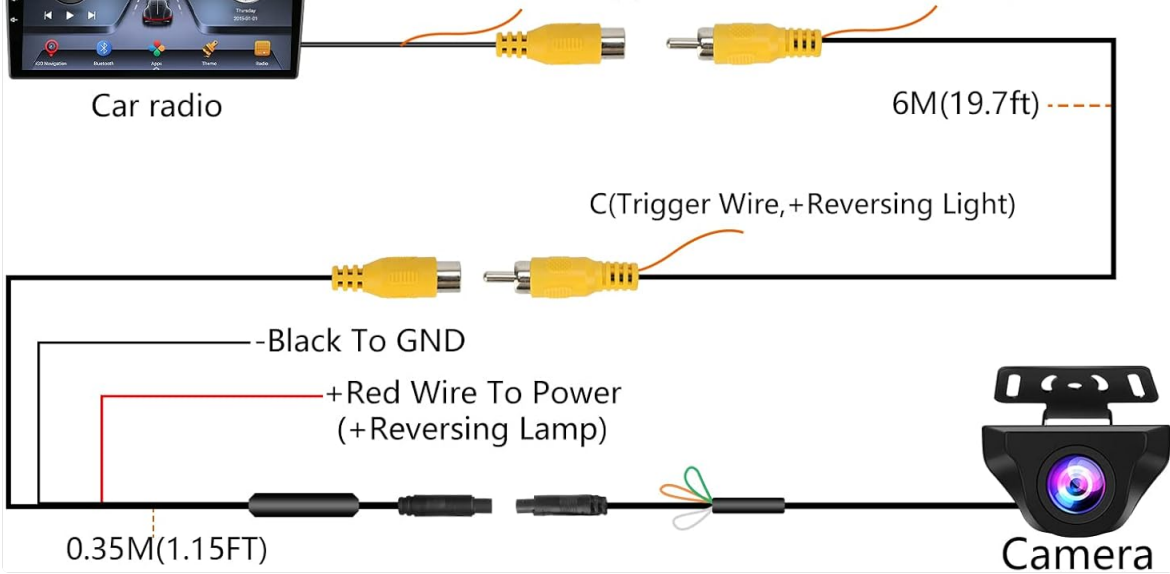


Image: The backup camera unit, mounting screws, adhesive pad, RCA video cable, and power cable.

## OPERATING INSTRUCTIONS

The camera's functionality can be customized by cutting specific wire loops. Always ensure the camera is powered off before making any changes and then power it back on.

### Universal Vehicle Compatibility



Image: Visual guide for cutting wire loops to adjust camera settings.

- **Parking Guideline Control:**
  - To **keep** the parking guidelines visible: Do not cut the **green wire loop**.
  - To **remove** the parking guidelines: Cut the **green wire loop**.
- **Video Signal Output Switching:**
  - For **CVBS** video signal output (default): Do not cut the **orange wire loop**.
  - For **AHD** video signal output: Cut the **orange wire loop**.
- **Image Orientation Adjustment:**
  - For **mirror image** (rear view, default): Do not cut the **white wire loop**.
  - For **positive image** (front view): Cut the **white wire loop**.

## MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your backup camera.

- **Clean the Lens:** 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.
- **Check Connections:** Inspect all cable connections regularly to ensure they are secure and free from corrosion or damage. Loose connections can lead to signal loss or flickering images.
- **Inspect Mounting:** Verify that the camera is securely mounted and has not shifted, which could alter the viewing angle.
- **Wiring Integrity:** Ensure that the wiring is not pinched, frayed, or exposed to excessive heat or moisture.

## TROUBLESHOOTING

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If you encounter issues with your backup camera, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
No image on monitor	Loose power or video connection; Incorrect video input selected on monitor; Camera not receiving power.	Check all cable connections; Ensure monitor is set to the correct video input (e.g., AV1, AV2); Verify power supply to the camera.
Flickering or distorted image	Poor connection; Electrical interference; Damaged cable.	Secure all connections; Ensure cables are not near high-voltage wires; Replace damaged cables if necessary.
Image is reversed or upside down	Incorrect image orientation setting (white wire loop).	Power off the camera, cut or keep the white wire loop as desired, then power on.

Problem	Possible Cause	Solution
Parking guidelines not appearing	Guidelines disabled (green wire loop cut).	Power off the camera, ensure the green wire loop is intact (not cut), then power on.
Image quality is poor (not AHD)	Camera is in CVBS mode; Monitor does not support AHD.	Power off the camera, cut the orange wire loop for AHD output, then power on. Ensure your monitor is AHD compatible.

## PRODUCT SPECIFICATIONS

Specification	Value
Brand	Jansite
Screen Size (Reference)	0.33 Inches
Compatible Devices	Monitor
Installation Type	Surface Mount
Voltage	12 Volts
Optical Sensor Technology	CCD
Lens Type	Zoom
Real Angle of View	140 Degrees
Manufacturer	Jansite Backup Camera US
Display Technology	LCD
Video Capture Resolution	720p

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Jansite customer service through the retailer where the product was purchased. Keep your purchase receipt for warranty claims.

