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Jansite AHD 1080P 25fps

Jansite AHD 1080P Backup Camera User Manual

Model: AHD 1080P 25fps

1. Introduction

Thank you for choosing the Jansite AHD 1080P Backup Camera. This manual provides detailed instructions for the installation, operation, and maintenance of your new backup camera. Designed for universal compatibility and superior performance, this camera enhances your driving safety with its advanced features.
The Jansite backup camera is engineered with a 360° rotatable lens, allowing for flexible installation and optimal viewing angles. It supports both CVBS and AHD video signals, ensuring compatibility with a wide range of head units and displays. With enhanced night vision, a 170° wide-angle view, and IP69K waterproofing, it delivers clear and reliable images in various conditions.

2. Product Features

- **360° Rotatable Lens:** Allows for precise adjustment of the viewing angle (up/down/left/right) to suit any installation position, eliminating concerns about image height or angle.
- **Universal Signal Support (CVBS/AHD):** Compatible with both CVBS and AHD signal inputs, ensuring broad compatibility with various head units and displays.
- **Enhanced Night Vision:** Equipped with a Sony chip, large F1.8 aperture, and 6-glass lens for high sensitivity and light transmission, providing clear and true-color images in low-light conditions.
- **170° Wide Angle View:** Offers an expansive field of view to cover most blind spots, significantly improving parking safety.
- **IP69K Waterproof & Dustproof:** Constructed with high-purity resin and fully sealed glue filling, ensuring reliable performance in rain, snow, and extreme temperatures.
- **Wide Voltage Compatibility:** Supports 12V-24V vehicles, making it suitable for cars, trucks, RVs, and mini-vans.
- **Universal RCA Connection:** Designed with a standard RCA connection for easy integration with aftermarket LCD/TFT displays.
- **Image Switching:** Supports mirror/normal image switching for use as a rear, front, or side camera, and includes a guideline on/off switch.

3. Package Contents

Please check the package contents upon receipt. If any items are missing or damaged, please contact customer support.

- Jansite AHD 1080P Backup Camera
- Video Cable (RCA connection)
- Power Cable
- Mounting Hardware (screws, wrench)

4. Setup and Installation

4.1 Camera Mounting

The camera's 360° rotatable lens allows for versatile mounting. You can install the camera in various positions, including horizontal or vertical orientations, without needing to worry about the initial angle. Use the included wrench for fine-tuning the lens angle after installation.

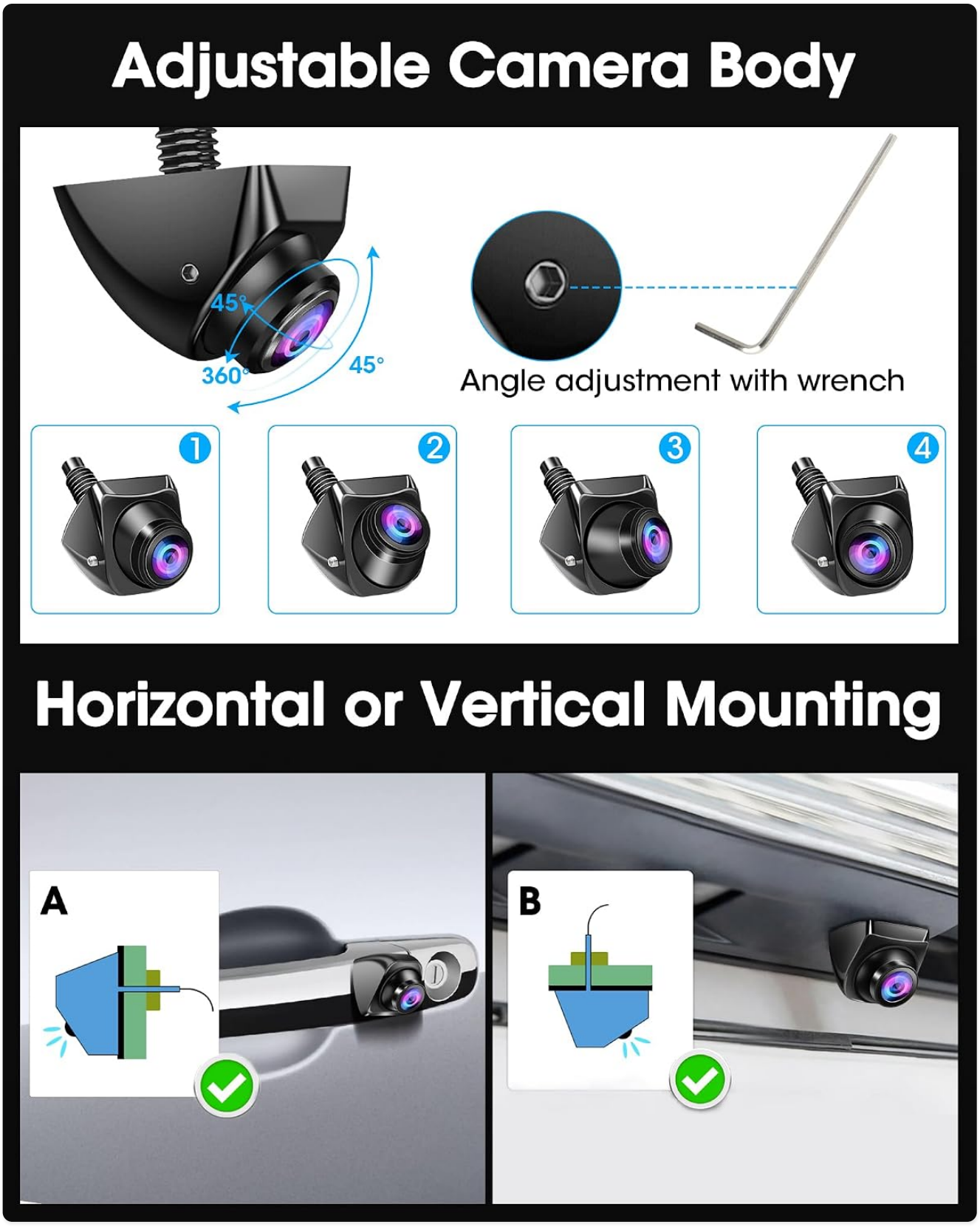


Image: Demonstrates the 360° rotatable lens and examples of horizontal and vertical mounting for the camera body.



Image: Detailed examples of vertical and horizontal mounting positions for the camera.

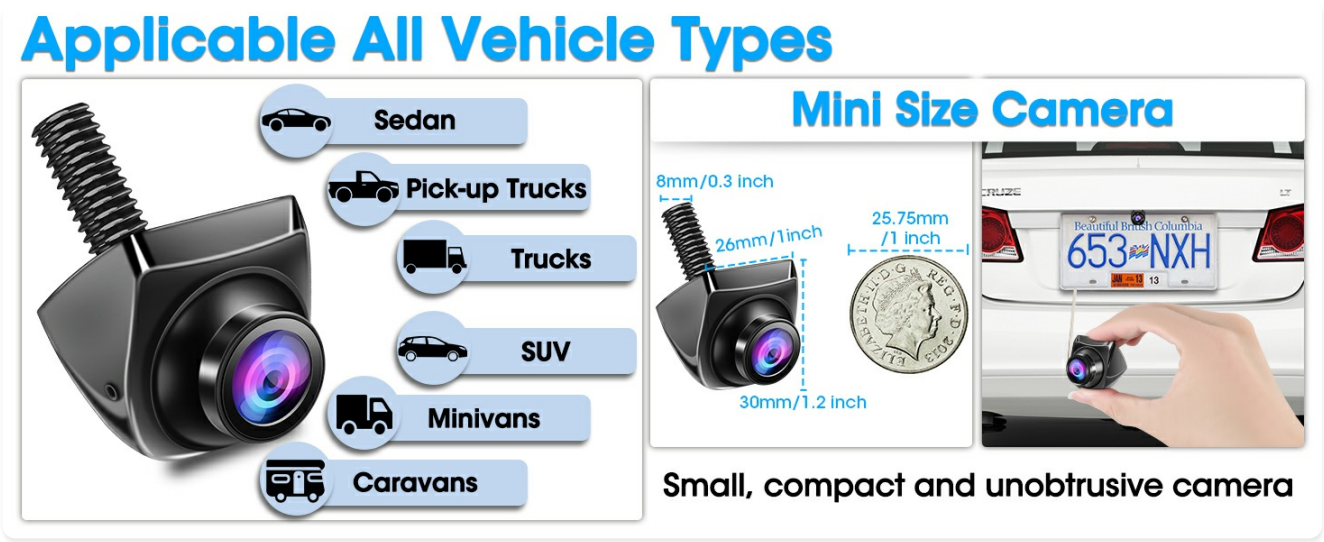


Image: Illustrates the camera's compatibility with various vehicle types (sedans, trucks, RVs) and its compact size.



Image: Shows diverse mounting locations such as front view, rear view, brake light, 5th wheel, license plate, tailgate handle, trunk lid, and side view.

4.2 Wiring Connection

Connect the camera using the provided RCA video cable and power cable. The camera supports 12V-24V power input. Ensure all connections are secure.

- Connect the camera's power cable to the vehicle's reverse light power supply (red wire to positive, black wire to ground).
- Connect the RCA video cable from the camera to the RCA video input on your head unit or display.

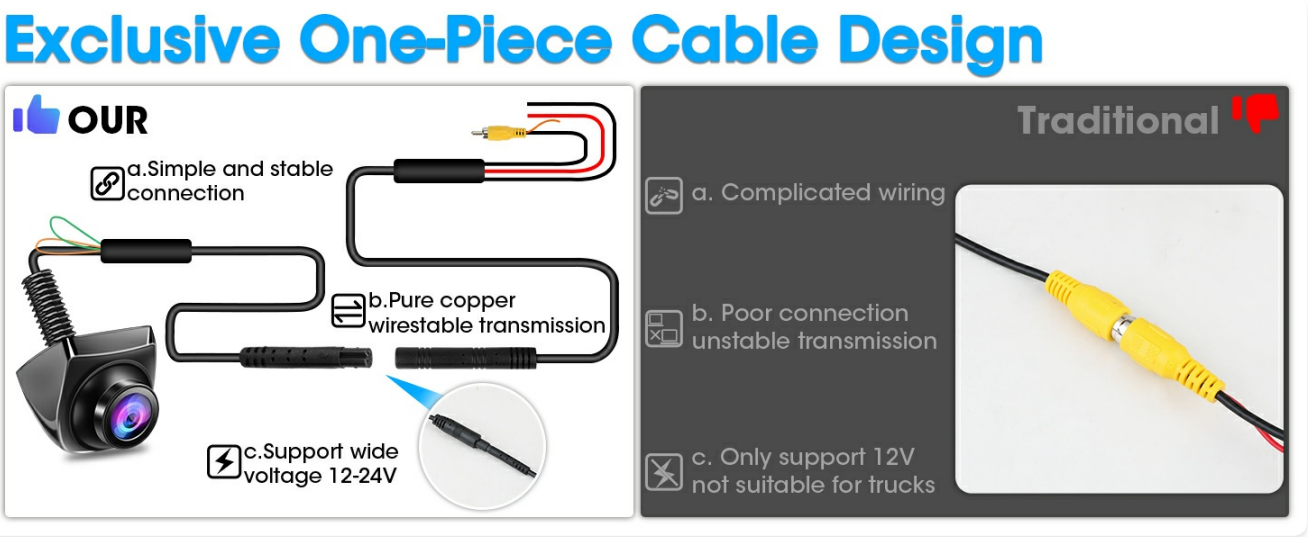


Image: Illustrates the simplified one-piece cable design for stable connection and wide voltage support (12-24V).

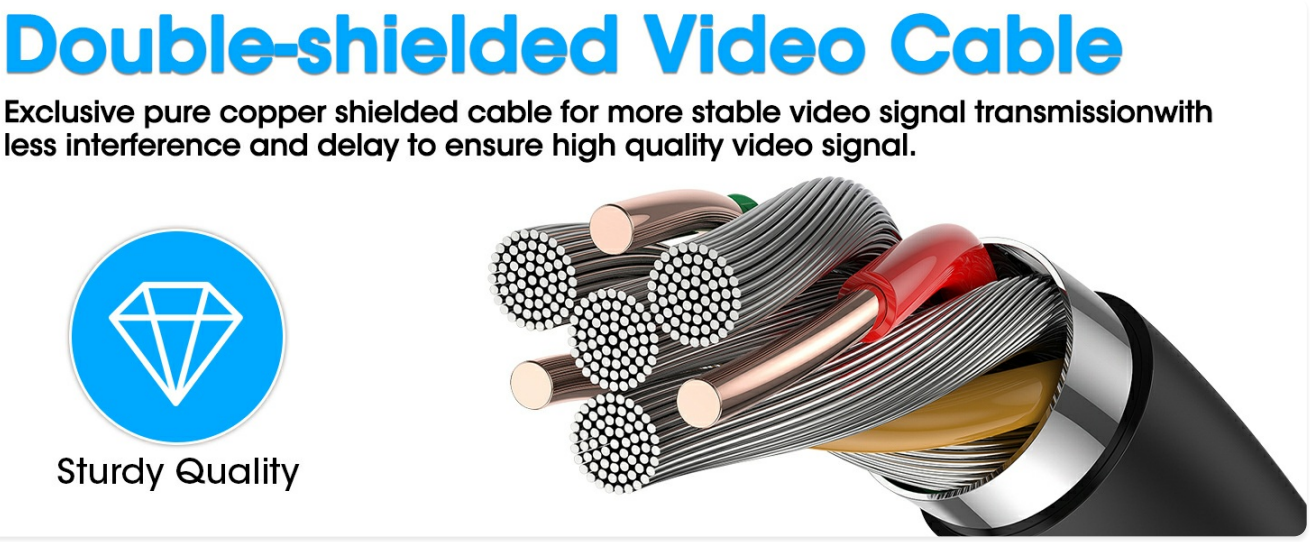


Image: Shows the internal structure of the double-shielded video cable, designed for stable signal transmission.



Image: Depicts the upgraded step-down module, providing overload thermal protection and supporting 12-24V with low power consumption.

4.3 Signal Switching (AHD/CVBS)

The camera supports both AHD and CVBS video signals. By default, the camera may be set to AHD. If your monitor only supports CVBS, you may need to switch the signal type.

- To switch from AHD to CVBS, locate the small orange wire loop near the camera connector. Cut this loop to change the signal output to CVBS.

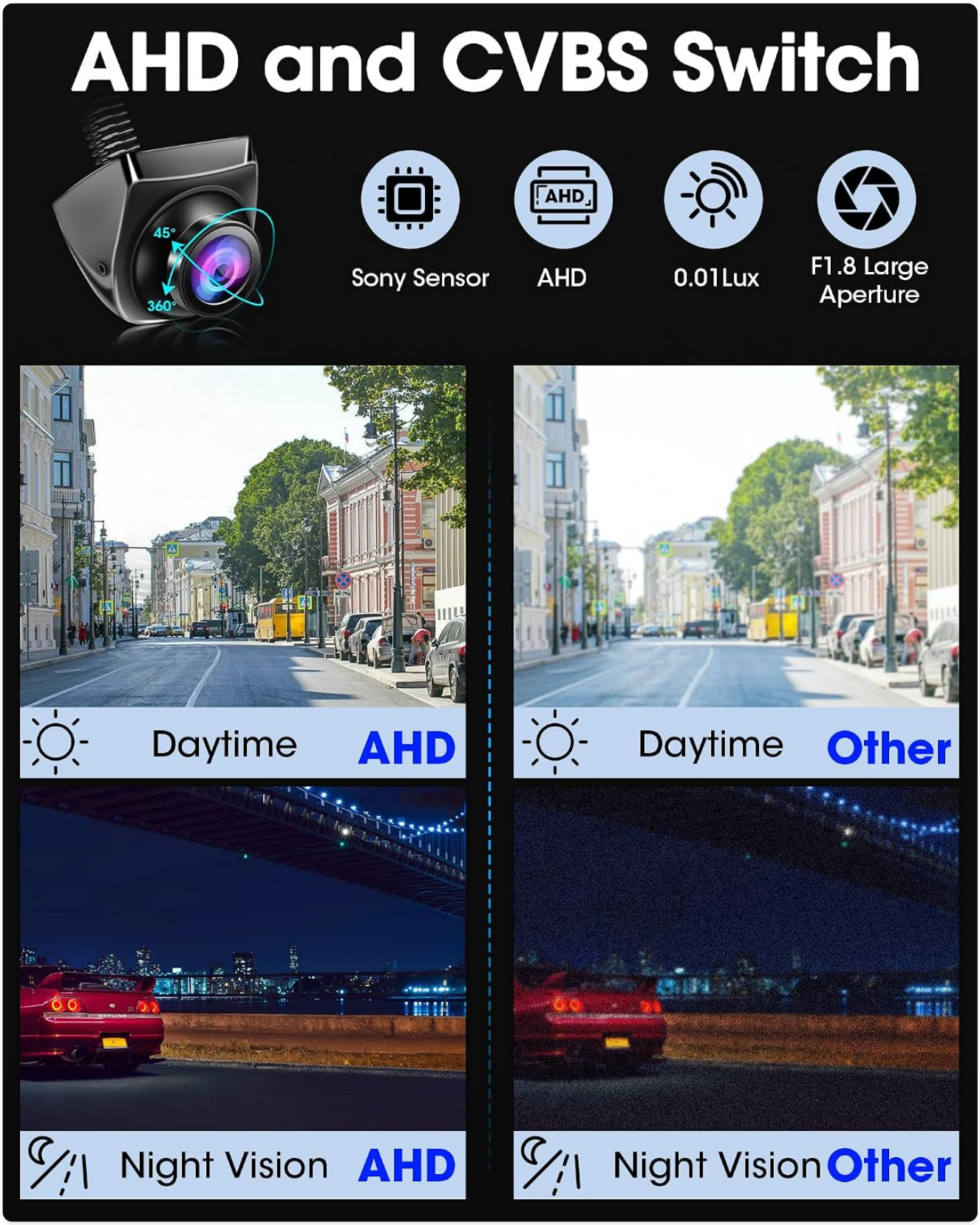


Image: Compares AHD and CVBS signal quality during daytime and night vision, highlighting the clarity of AHD.



Image: Illustrates how to switch between AHD and CVBS signals, mirror/original image, and turn parking guidelines on/off by cutting specific wires.

4.4 Setting Rear Lens on Monitor

For optimal display, ensure your monitor's settings match the camera's output. Lenses with CVBS video signals are compatible with all monitors, but AHD lenses require AHD-compatible monitors.

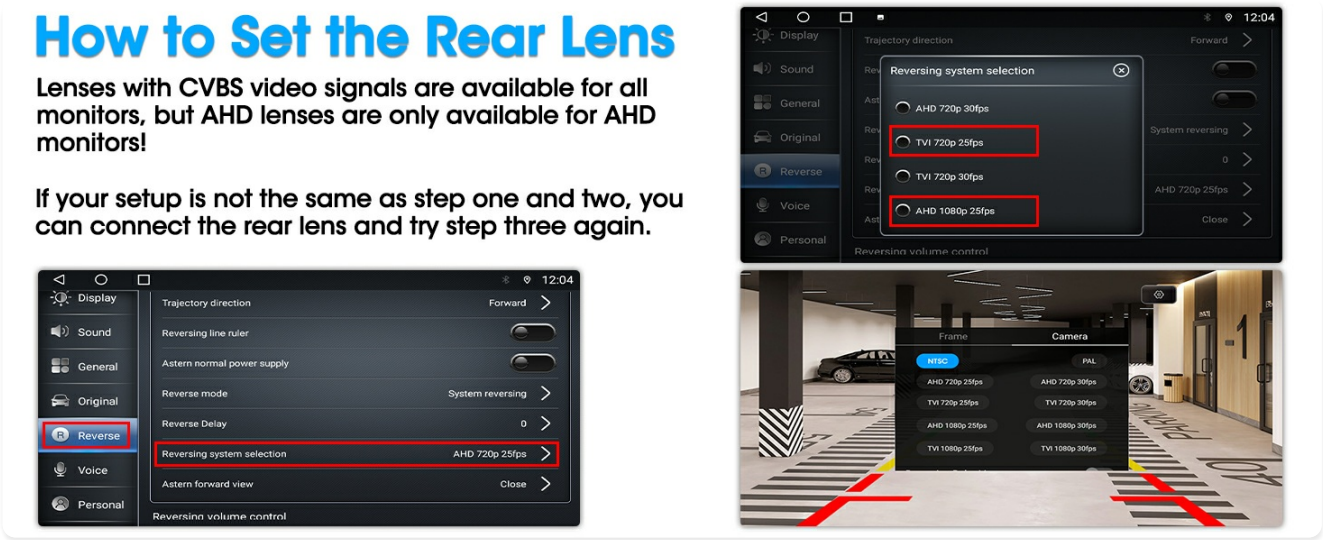


Image: Provides a visual guide on how to access and adjust the reversing system selection settings on a typical car monitor to match the camera's signal (e.g., AHD 1080P 25fps).

5. Operating Instructions

5.1 Image Orientation (Mirror/Normal)

The camera supports switching between mirror image (for rear view) and original image (for front view). This is typically controlled by cutting a specific wire loop on the camera cable.

- To switch between mirror and normal image, locate the small white wire loop near the camera connector. Cut this loop to toggle the image orientation.



Image: Illustrates the difference between mirror image (rear view) and original image (front view) and how to switch between them.

5.2 Parking Guidelines (ON/OFF)

The camera can display parking guidelines on the screen to assist with parking maneuvers. These guidelines can be turned on or off as needed.

- To toggle parking guidelines, locate the small green wire loop near the camera connector. Cut this loop to turn the guidelines on or off.



Image: Shows the effect of turning parking guidelines ON and OFF, and indicates the wire to cut for this function.

5.3 Night Vision Performance

The camera features enhanced night vision for clear visibility in low-light conditions. The F1.8 aperture and Sony chip ensure high sensitivity and light transmission.



Image: Highlights the camera's superior night vision capabilities, showing clear images in dark environments compared to standard cameras.

6. Maintenance

The Jansite backup camera is designed for durability and requires minimal maintenance due to its IP69K waterproof and dustproof rating.

- **Cleaning:** Periodically wipe the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid using abrasive cleaners.
- **Inspection:** Regularly check the wiring connections to ensure they are secure and free from corrosion or damage.



Image: Demonstrates the IP69K waterproof rating, showing the camera's resilience in rain, snow, and during a car wash.



Image: Explains that the IP69K rating ensures resistance to rain, snow, dust, and dirt penetration, showcasing vehicles in various weather conditions.

7. Troubleshooting

7.1 No Display or Poor Image Quality

- **Check Wiring:** Ensure the red part of the camera's power cable is correctly connected to the reverse light's positive (+) terminal.
- **RCA Connection:** Verify that the RCA interface is properly connected to the AUX video input of your head unit. If issues persist, try removing and re-inserting the RCA interface into the CVBS input.
- **Signal Format:** If the screen is still not displayed after checking connections, you may need to enter your device's settings to change the video format to AHD 1080P 25fps. If the video is not displayed, try cutting the orange coil wire to switch to CVBS mode, then restart the device and set the video format to CVBS NTSC.
- **Power Source:** The rear camera is powered by the reversing light and will only display an image when the vehicle is in reverse.



Image: Provides a detailed diagram and steps for troubleshooting common display issues, including wiring checks and signal format adjustments.

7.2 Compatibility with Dash Cams/DVRs

Important Note: Jansite backup cameras are designed with standard RCA connections and are primarily intended for use with head units or aftermarket LCD/TFT displays that have RCA video input. They are generally not compatible with dash cams or mirror dash cams due to different connection types and pin definitions. If your host device has a record function, it may not be compatible.



Image: Clearly states that the camera is not directly compatible with monitors, DVRs, or dashcams that do not support RCA video input due to differing pin definitions.

8. Specifications

Feature	Specification
Product Dimensions	1 x 1 x 1 inches (approx.)
Item Weight	7 ounces
Video Capture Resolution	1080p
Voltage	12-24 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Angle (Fisheye)
Installation Type	Surface Mount
Display Technology (Compatible)	LCD (with RCA input)
Waterproof Rating	IP69K

9. Warranty and Support

Jansite is committed to providing high-quality products and excellent customer service. For any questions, technical support, or warranty inquiries, please contact Jansite customer support through the retailer's platform or the official Jansite website.
Please retain your purchase receipt as proof of purchase for warranty claims.

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