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Jansite nP056S+T31-MZ

Jansite AHD 4.3-inch LCD Monitor Backup Camera Set User Manual

Model: nP056S+T31-MZ

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Jansite AHD 4.3-inch LCD Monitor Backup Camera Set. This system is designed to enhance driving safety by providing a clear rear view, featuring a 1080P AHD camera with advanced night vision capabilities and an IP68 waterproof rating.



Figure 1.1: Jansite AHD 4.3-inch Monitor Backup Camera Set. This image shows the monitor and camera components of the system.

2. What's in the Box

Please check that all the following components are included in your package:

- 4.3-inch LCD Monitor
- AHD Rear Camera
- U-shaped Number Plate Holder (for camera mounting)
- Suction Cup Mount (for monitor)
- Car Charger (Cigarette Lighter Power Adapter with ON/OFF switch)
- Power Cord (for direct wiring)
- 6-meter Connection Cable
- Japanese Instruction Manual



Figure 2.1: Overview of included product components, including the monitor, camera, various mounts, cables, and manual.

3. Safety Precautions

Read all safety warnings and instructions before using this product to prevent injury or damage.

- **Voltage Compatibility:** This product is designed for 12V to 24V vehicle power systems. Do not use it outside this voltage range.
- **Pre-Installation Check:** Before installation, ensure your vehicle's battery and wiring are in good condition.
- **Malfunction:** If the product malfunctions or shows abnormalities, discontinue use immediately. Disconnect the

power cord and contact customer support for inspection, repair, or replacement.

- **Temperature Exposure:** Avoid leaving the product in high temperatures or direct sunlight for extended periods.
- **Water Exposure (Monitor):** The rear camera has an IP68 waterproof rating, but the display monitor is NOT waterproof. Do not install the display in locations prone to water exposure. If water enters the display, stop use immediately.
- **Ventilation:** Do not cover the display's ventilation holes with cloth or other objects. Do not place metal or flammable objects on the screen, as this may cause a short circuit.
- **Power Cable:** Use only the provided car charging cable, which includes built-in protection and fuses. Using unauthorized power cables may lead to fire or electric shock. If the power cable is damaged, stop use and contact customer support for a replacement.

4. Setup and Installation

4.1 Power Supply Methods

The system offers two power supply options:

1. **Cigarette Lighter Power:** Use the included car charger. Connect it directly to your vehicle's cigarette lighter socket. The monitor and camera connect via the main cable. The monitor's display can be turned ON/OFF at any time using the red button switch on the car charger. This method is simple and quick for beginners.
2. **Direct Wiring to Reverse Light:** Connect the rear camera's power cable to your vehicle's reverse light (positive and negative terminals). This method does not occupy the cigarette lighter socket, and the monitor will automatically activate when the vehicle is put into reverse.



Figure 4.1: Illustration of the two power supply methods: cigarette lighter connection (top) and direct wiring to the reverse light (bottom).

4.2 Mounting Options

The monitor can be flexibly mounted on the dashboard or windshield using the suction cup mount. The camera can be mounted using the traditional rear lens mount or the new U-shaped license plate holder. The U-shaped mount avoids drilling holes in the car body.



Figure 4.2: Monitor mounting options (center console or windshield) and camera mounting options (wide-angle view or no car damage with license plate mount).

4.3 Cable Connection

Connect the monitor and camera using the provided 6-meter connection cable. The system is designed for simple wiring, reducing installation time. Ensure all connections are secure.



Figure 4.3: Comparison highlighting the integrated step-down module, double-shielded video cable, and 5mm mini 4-pin connector cable for stable signal transmission and simplified connection.

5. Operating Instructions

5.1 Monitor Controls

The monitor features buttons on the back for easy adjustment of various settings:

- **MENU Button:** Access the settings menu.

- **UP (+) / DOWN (-) Buttons:** Navigate menu options and adjust values.



Figure 5.1: Monitor controls for adjusting brightness, contrast, and saturation.

5.2 Image Adjustments

You can adjust the image brightness, contrast, saturation, and hue to achieve a clearer display. These settings can be accessed via the monitor's menu.



Figure 5.2: The monitor offers five adjustable functions for optimal image quality and parking assistance.

5.3 Guide Line Settings

The backup camera system allows you to enable or disable parking guidelines and adjust their position. This feature assists with safe parking. The guidelines can be adjusted directly from the monitor's menu, eliminating the need for re-wiring.



Figure 5.3: Examples of customizable parking guidelines for precise maneuvering.

5.4 Normal/Mirror Image Switching

The camera supports both normal and mirror image display. This allows the system to be used as a front camera, side camera, or rear camera. The image mode can be switched using a button on the monitor.



Figure 5.4: Switching between normal and mirror image display for versatile camera use.

6. Maintenance

6.1 Camera Care

The rear camera boasts an IP68 waterproof and dustproof rating, ensuring reliable operation in various weather conditions, including rain, snow, fog, and icy roads. It is designed to withstand temperatures from -22°C to 70°C.

- Regularly clean the camera lens with a soft, damp cloth to ensure a clear view.
- Avoid using harsh chemicals or abrasive materials that could damage the lens or housing.



Figure 6.1: The camera's IP68 rating ensures functionality in wet and dusty conditions.

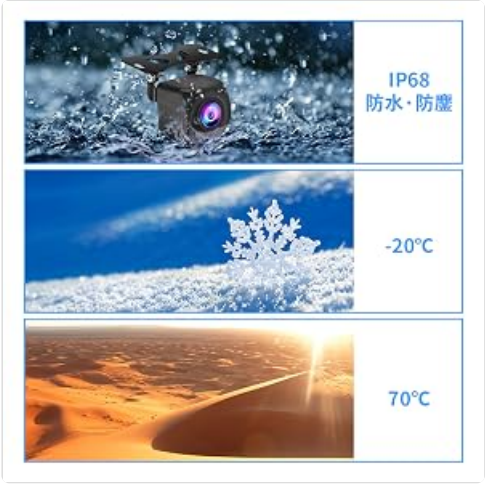


Figure 6.2: The camera is built to withstand extreme temperatures, from cold to hot environments.

6.2 Monitor Care

- Keep the monitor dry, as it is not waterproof.
- Clean the monitor screen with a soft, dry, lint-free cloth.
- Avoid exposing the monitor to direct sunlight or extreme heat for prolonged periods.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No image on monitor	◦ Loose cable connection. ◦ No power to the monitor or camera. ◦ Damaged cable or component.	◦ Check all cable connections between the monitor, camera, and power source. ◦ Ensure the cigarette lighter adapter is fully inserted and its switch is ON, or that the direct wiring is correctly connected to the reverse light. ◦ If issues persist, contact customer support.
Monitor suction cup detaches	◦ Weak suction due to surface condition or high temperature.	◦ Ensure the mounting surface is clean and smooth. ◦ Consider using a suction cup auxiliary base plate for better adhesion. ◦ In high temperatures, suction cups may weaken; re-attach as needed.
Interference with other vehicle electronics (e.g., engine starter)	◦ Electrical noise from the power supply affecting sensitive vehicle systems.	◦ Try turning off the backup camera system's power when not in use. ◦ Consider installing a ferrite core on the power cable or rerouting the power supply path to minimize interference. ◦ Consult a professional if the issue persists.

8. Specifications

Feature	Detail
Brand	Jansite
Model Number	nP056S+T31-MZ
Product Dimensions (L x W x H)	14.9 x 7.3 x 12.3 cm
Compatible Devices	Monitor
Voltage	12 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Actual Angle of View	140 Degrees
Optical Sensor Size	1/3 inch

Feature	Detail
Display Method	LCD
Lux Rating (Minimum Illumination)	0.05 Lux
Video Resolution	1080p

9. Warranty and Support

Your Jansite AHD 4.3-inch LCD Monitor Backup Camera Set comes with a**1-year warranty** and **lifetime customer service**.
If you have any questions, concerns, or require technical assistance, please do not hesitate to contact us. Our customer support email address is included in the Japanese instruction manual provided with your product.
We are committed to providing excellent after-sales service and ensuring your satisfaction with our product.

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