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Jauarta Industrial Endoscope User Manual

MODEL: JAUARTAS2DE4BGFRQ

Brand: Jauarta

Introduction

Thank you for choosing the Jauarta Industrial Endoscope. This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your device. Please read this manual thoroughly before use and retain it for future reference.

Product Overview

The Jauarta Industrial Endoscope is designed for detailed visual inspection in hard-to-reach areas. It features a high-definition camera, a large display screen, and robust construction for various industrial and home inspection tasks.



Figure 1: Overall view of the Jauarta Industrial Endoscope, showing the main display unit and the coiled inspection camera cable.

Key Features:

- **Stable Data Transmission:** Utilizes AV analog technology for reliable data transmission, even over long distances.
- **High Definition Camera:** Equipped with a 2MP camera lens, providing clear and detailed images for inspection.
- **Large IPS Screen:** Features a 4.3-inch IPS display with a 178-degree wide viewing angle for an optimal viewing experience.
- **User-Friendly Operation:** Designed for immediate use upon startup with clearly labeled function buttons.
- **IP67 Waterproof Rating:** The camera probe is rated IP67, making it suitable for use in wet and harsh environments.
- **Adjustable LED Lighting:** Includes 8 brightness-adjustable LEDs for illuminating dark inspection areas.

Package Contents

Please check the package contents upon receipt to ensure all items are present and undamaged.



Figure 2: Contents of the Jauarta Industrial Endoscope package, including the main unit, cable, and accessories.

- 1 x Industrial Endoscope (Display Unit with Lens Line)
- 1 x Data Cable (USB charging cable)
- 1 x Fixing Device
- 1 x Magnet attachment
- 1 x Hook attachment
- 1 x Side Lens attachment
- 1 x User Manual (this document)



Figure 3: Close-up view of the included accessories: USB charging cable, fixing device, magnet, hook, and side lens attachments.

Setup

1. **Charge the Device:** Before first use, fully charge the industrial endoscope using the provided USB data cable. Connect the cable to the device's charging port and a standard USB power adapter (not included). The built-in lithium battery has a capacity of 550mAh.
2. **Connect the Camera Probe:** The camera probe (lens line) is permanently attached to the display unit. Ensure it is securely connected.
3. **Attach Accessories (Optional):** If needed, attach the magnet, hook, or side lens to the camera head. The fixing device may be used to secure these attachments.

Operating Instructions

Follow these steps to operate your industrial endoscope:



Figure 4: Control buttons on the endoscope display unit, including power, brightness, and zoom controls.

1. **Power On/Off:** Press and hold the power button (usually marked with a circle and a vertical line) to turn the device on or off. The 4.3-inch IPS screen will illuminate.
2. **Adjust LED Brightness:** Use the dedicated brightness control button (often marked with a sun icon) to cycle through the 8 adjustable LED brightness levels. This helps illuminate dark inspection areas.
3. **Position the Camera:** Carefully insert the 8.0mm diameter camera probe into the area you wish to inspect. The 10m line length provides extensive reach.
4. **View the Image:** Observe the live feed on the 4.3-inch IPS display. The 2MP high-definition camera provides clear visuals, and the 178-degree wide viewing angle ensures a broad perspective. The focus range is approximately 20-100mm (0.8-3.9 inches).
5. **Navigate Controls:** Utilize other function buttons (e.g., zoom, mode selection if available) as needed for your inspection task.
6. **Environmental Use:** The camera probe has an IP67 waterproof rating, allowing it to be used in wet or submerged conditions. The operating temperature range is -14°F to 113°F, and the camera temperature range is -14°F to 176°F.

Maintenance

- **Cleaning:** After each use, gently wipe the camera lens and probe with a soft, damp cloth. For stubborn dirt, use a mild cleaning solution. Ensure the device is powered off before cleaning. Do not

use abrasive cleaners or solvents.

- **Storage:** Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the camera line neatly to prevent kinks or damage.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.
- **Inspection:** Periodically inspect the camera cable for any signs of wear, cuts, or damage. Do not use the device if the cable is damaged.

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully using the provided USB cable.
No image on screen.	Camera probe not properly connected (though it's fixed, check for internal issues). Software glitch.	Ensure the device is powered on. If the issue persists, try restarting the device. If still no image, contact support.
Image is blurry or unclear.	Camera lens is dirty. Object is outside the focus range.	Clean the camera lens carefully. Adjust the distance between the camera and the object to be within the 20-100mm focus range.
LED lights are not working or dim.	Brightness setting is too low. Faulty LEDs.	Press the brightness control button to increase LED intensity. If lights still do not work, contact support.

Specifications

Item Type	Industrial Endoscope
Model Number	Jauartas2de4bgfrq
Material	ABS
Display Size	4.3 Inch IPS Screen
Camera Resolution	2MP (1080P)
Visual Angle	70°
Focus Range	Approx. 20-100mm / 0.8-3.9in
Auxiliary Lighting	8 Brightness Adjustable LEDs
Camera Diameter	Approx. 8.0mm / 0.3in
Camera Grade (Waterproof)	IP67
Battery Type	Built-in Lithium Battery
Battery Capacity	550mAh
Line Length	10m
Operating Temperature	-14°F to 113°F (-25°C to 45°C)
Camera Temperature	-14°F to 176°F (-25°C to 80°C)
Item Weight	1.35 pounds
Package Dimensions	7.87 x 5.12 x 3.15 inches

Warranty and Support

For warranty information, technical support, or service inquiries, please contact Jauarta customer service through the retailer where the product was purchased or refer to the contact information provided on the product packaging or official website. Please have your model number (Jauartas2de4bgfrq) and purchase details ready when contacting support.