

Jauarta T21 5.5mm 1m

Jauarta Industrial Borescope T21 5.5mm 1m Instruction Manual

Model: T21 5.5mm 1m

1. INTRODUCTION

Thank you for choosing the Jauarta Industrial Borescope T21 5.5mm 1m. This digital endoscope is designed for detailed visual inspection in hard-to-reach areas, featuring a 4.5-inch IPS HD screen, a 5.5mm diameter lens with LED illumination, and an IP67 waterproof rating. Please read this manual carefully before operating the device to ensure proper use and maintenance.

2. SAFETY INFORMATION

- Do not attempt to disassemble or modify the device. Unauthorized modifications can lead to malfunction and void the warranty.
- Keep the device away from extreme temperatures, direct sunlight, and corrosive liquids.
- Ensure the USB port cover is securely closed when operating the camera probe in wet environments to maintain IP67 water resistance for the probe. The main unit is not waterproof.
- Use only the provided USB cable for charging.
- Store the device and accessories out of reach of children.
- Dispose of the battery and device according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Industrial Borescope (Main Unit with 4.5 Inch IPS HD Display)
- 1 x Camera Probe (5.5mm lens, 1m cable)
- 1 x Cap for lens protection

- 1 x Small Storage Box
- 1 x USB Cable
- 1 x User Manual
- 1 x Hook Accessory
- 1 x Magnetic Suction Accessory
- 1 x Side Lens (Mirror)

Note: A small memory card is not included and must be purchased separately for photo and video storage.



Image: The Jauarta Industrial Borescope main unit displayed alongside its accessories, including the camera probe, USB cable, hook, magnetic suction, and side mirror attachments.

4. PRODUCT OVERVIEW

The Jauarta Industrial Borescope consists of a main display unit and a flexible camera probe. The main unit features a 4.5-inch IPS HD screen for clear viewing and control buttons for navigation, photo/video capture, and LED light adjustment. The camera probe is equipped with a 5.5mm lens and 6 adjustable LED lights.





Image: Front view of the Jauarta Industrial Borescope, showing the 4.5-inch IPS HD screen and control buttons below it.



Image: Close-up view of the USB charging port located on the side of the borescope's main unit.

5. SETUP

5.1 Charging the Device

1. Connect the provided USB cable to the charging port on the borescope's main unit.
2. Plug the other end of the USB cable into a standard USB power adapter (not included) or a computer's USB port.
3. The charging indicator will illuminate. Allow the device to charge fully before first use.

5.2 Inserting a Memory Card

To save photos and videos, a small memory card (MicroSD card) is required (not included).

1. Locate the memory card slot on the side of the main unit.
2. Gently insert the MicroSD card into the slot with the contacts facing down until it clicks into place.
3. To remove, push the card in slightly until it springs out.

5.3 Attaching Accessories

The hook, magnetic suction, and side lens accessories can be attached to the tip of the camera probe for specific inspection needs.

1. Ensure the camera probe is clean and dry.
2. Carefully slide the desired accessory onto the tip of the 5.5mm camera lens until it is securely fitted.
3. The side lens (mirror) is useful for viewing objects at a 90-degree angle.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **To Power On:** Press and hold the Power button (usually marked with an 'OK' or power symbol) for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the Power button again until the screen turns off.

6.2 Navigating the Menu

The device features several control buttons:

- **OK/Power Button:** Powers the device on/off, confirms selections.
- **Up/Zoom In Button:** Navigates up in menus, zooms in during live view.
- **Down/Zoom Out Button:** Navigates down in menus, zooms out during live view.
- **Photo/Video Mode Button:** Switches between photo and video capture modes.
- **LED Light Adjustment Button:** Adjusts the brightness of the camera probe's LED lights.
- **Menu/Return Button:** Accesses the main menu or returns to the previous screen.

6.3 Taking Photos and Recording Videos

1. Power on the device. The live view from the camera probe will appear on the screen.
2. Press the **Photo/Video Mode Button** to select either photo or video mode. An icon on the screen will indicate the current mode.
3. In photo mode, press the **OK Button** to capture a still image.
4. In video mode, press the **OK Button** once to start recording, and press it again to stop recording.
5. All captured media will be saved to the inserted memory card.

6.4 Adjusting LED Light Brightness

The camera probe features 6 adjustable LED lights to illuminate dark inspection areas.

- During live view, press the **LED Light Adjustment Button** repeatedly to cycle through different brightness levels.
- Select the brightness level that provides the clearest image for your inspection.

6.5 Using the IP67 Waterproof Probe

The camera probe is IP67 rated, allowing it to be submerged in water up to 1 meter for a limited time. The main unit is **not** waterproof.

- Ensure the connection between the camera probe and the main unit is secure.
- After use in wet conditions, clean and dry the probe thoroughly before storage.

7. MAINTENANCE

7.1 Cleaning

- **Main Unit:** Wipe the screen and body with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Camera Probe:** After use, especially in dirty or wet environments, gently wipe the lens and cable with a soft, damp cloth. Ensure it is completely dry before storage.
- **Lens:** For stubborn dirt on the lens, use a lens cleaning solution and a microfiber cloth.

7.2 Storage

- Store the borescope and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures.
- If not used for an extended period, charge the device periodically (e.g., every 3 months) to maintain battery health.
- Keep the camera probe cable neatly coiled to prevent kinks or damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on	Low battery; Device malfunction	Charge the device fully. If problem persists, contact support.
No image on screen	Camera probe not connected; Damaged probe	Ensure camera probe is securely connected. If still no image, the probe may be damaged.
Cannot save photos/videos	No memory card; Memory card full; Memory card error	Insert a MicroSD card. Delete old files or use a new card. Format the card (refer to device settings).
Image is too dark/bright	LED light brightness incorrect	Adjust the LED light brightness using the dedicated button.
Screen freezes or device is unresponsive	Software glitch	Locate the 'RESET' pinhole on the back of the device (see image below). Use a thin pin to gently press the reset button. The device will restart.



Image: Rear view of the Jauarta Industrial Borescope, highlighting the 'RESET' pinhole.

9. SPECIFICATIONS

Feature	Specification
Model	T21 5.5mm 1m
Screen	4.5 Inch IPS HD Display
Screen Resolution (Pixels)	854 x 480
Camera Probe Lens Diameter	Approx. 5.5mm / 0.2in
Camera Probe Lights	6 LED Lights (Adjustable)
Photo Resolution	1920 x 1080
Video Resolution	1280 x 720
Function	Take Photo, Record Video
Memory Card	External MicroSD Card (Not Included)
Battery	Built-in Lithium Battery (3000mAh)
Working Temperature	0-45°C (32-113°F)
Waterproof Grade	IP67 (Camera Probe Only)

Feature	Specification
Visual Angle	70°
Item Weight	15.2 ounces (approx. 431g)
Package Dimensions	8.66 x 5.91 x 2.76 inches
Manufacturer Model Number	Jauarta5o6n19p0uw

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Jauarta customer service directly. Keep your purchase receipt as proof of purchase.