

Hiacinto ES503-JP

Hiacinto Articulating Fiberscope Digital Endoscope User Manual

Model: ES503-JP

1. INTRODUCTION

Thank you for purchasing the Hiacinto Articulating Fiberscope Digital Endoscope. This device is designed for industrial inspection, offering a flexible camera probe with a 180° articulating tip, a high-resolution IPS screen, and robust waterproof capabilities. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. SAFETY INFORMATION

- Do not use this device in environments with flammable or explosive gases.
- Keep the device away from strong electromagnetic fields.
- Ensure the camera probe is clean and dry before and after use, especially when inspecting wet environments.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- The device features automatic shutdown for high-temperature protection if the temperature exceeds 80°C. Allow the device to cool down before resuming operation.
- Store the device in a cool, dry place when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Digital Endoscope Unit
- 1.5M Semi-Rigid Articulating Probe (8.5mm diameter)
- USB Charging Cable
- User Manual
- 64GB Memory Card (pre-installed or included separately)



Image 3.1: Digital Endoscope Unit and included accessories.

4. PRODUCT OVERVIEW

4.1 Device Components

- **5-inch IPS Screen:** High-definition display for clear and vibrant images.
- **Control Panel:** Buttons for power, menu, capture, and LED brightness adjustment.
- **Articulating Control Lever:** Located on the handle for precise 180° left/right movement of the camera tip.
- **Camera Probe:** 8.5mm diameter, 1.5M semi-rigid cable with an articulating tip.
- **LED Lights:** 8 adjustable LED lights at the camera tip for illumination in dark areas.
- **MicroSD Card Slot:** For storing captured images and videos.
- **USB-C Port:** For charging the device.



Image 4.1: Front view of the endoscope unit showing the screen and articulating probe.

5インチHDIPSスクリーンを備えたスコープカメラ

微細なディテールをより詳しく見ることができるHD画像解像度



Image 4.2: Close-up of the 5-inch HD IPS screen, highlighting its clarity.



Image 4.3: Diagram showing the internal structure of the 8.5mm camera lens with 1080P resolution and 2.0MP sensor.

5. SETUP

5.1 Charging the Device

1. Connect the provided USB charging cable to the USB-C port on the side of the endoscope unit.
2. Plug the other end of the USB cable into a standard 5V/1A USB power adapter (not included).
3. The charging indicator light will illuminate. A full charge typically takes 3-4 hours.
4. The device can operate for 3-4 hours on a full charge.

5.2 Inserting the Memory Card

1. Locate the MicroSD card slot on the side of the device.
2. Insert the 64GB memory card (included) into the slot with the gold contacts facing down until it clicks into place.
3. To remove, gently push the card in until it springs out.



Image 5.1: Illustration of inserting the memory card into the device.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

- Press and hold the power button (usually marked with an 'OK' or power symbol) for a few seconds to turn the device on.
- The IPS screen will display the live camera feed.
- To power off, press and hold the power button again until the screen shuts down.

6.2 Adjusting LED Brightness

- Press the LED brightness button (often marked with a light bulb icon) to cycle through 3 levels of brightness.
- This helps illuminate dark inspection areas.

IP67防水機能を備えたHiacinto ファイバースコープ

8 個のLEDライト

1-3 段階の光量調節が可能



Image 6.1: The IP67 waterproof camera tip showing the 8 LED lights and their 3 adjustable brightness levels.

6.3 Articulating the Camera Tip

- Use the articulating control lever on the handle to precisely maneuver the camera tip.
- Push the lever left or right to articulate the camera tip up to 180° in either direction.
- This feature allows for comprehensive viewing and eliminates blind spots in complex inspection areas.

180° ファイバースコープ 可動式 全方位からの画像を撮影



Image 6.2: Demonstration of the 180° articulating movement of the camera tip.

6.4 Capturing Images and Recording Videos

- While viewing the live feed, press the capture button (often marked with a camera icon) to take a still image.
- Press the record button (often marked with a video camera icon) to start video recording. Press again to stop.
- All captured images (1920*1080 JPG) and videos (1280*720 AVI) are saved to the inserted memory card.

6.5 Navigating Menus and Playback

- Use the menu button to access settings such as language, date/time, and resolution.
- Use the navigation buttons (up/down/left/right) to browse through menus and captured media.
- Press the 'OK' button to confirm selections or play videos.

7. MAINTENANCE

7.1 Cleaning the Camera Probe

- After each use, especially in dirty or wet environments, gently wipe the camera probe with a soft, damp cloth.
- For stubborn dirt, use a small amount of mild soap solution, then wipe with a clean, damp cloth.
- Ensure the probe is completely dry before storage.

7.2 Cleaning the Screen

- Use a soft, lint-free cloth to clean the IPS screen.
- Do not use abrasive cleaners or solvents.

7.3 Storage

- Store the endoscope in its original packaging or a protective case to prevent damage.
- Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.
No image on screen.	Camera probe not connected properly or damaged.	Ensure the probe is securely connected. If problem persists, contact support.
Images/videos not saving.	Memory card full or not inserted correctly.	Check memory card insertion. Delete old files or replace card.
Camera tip articulation not working.	Mechanism jammed or damaged.	Do not force the lever. Check for obstructions. If damaged, contact support.
Device shuts down unexpectedly.	Overheating (temperature exceeds 80°C).	Allow the device to cool down in a well-ventilated area.

9. SPECIFICATIONS

Brand	Hiacinto
Model Number	ES503-JP
Camera Diameter	8.5mm
Cable Length	1.5 meters
Screen Type	5.0-inch IPS LCD
Camera Resolution	2.0MP (1920x1080 for images, 1280x720 for video)
Articulating Angle	180° (left/right)
LED Lights	8 adjustable LEDs (3 brightness levels)
Waterproof Rating	IP67 (for camera probe)

Battery Capacity	High-capacity (provides 3-4 hours operation)
Storage	MicroSD card (up to 64GB included)
High-Temperature Protection	Automatic shutdown if temperature exceeds 80°C

10. WARRANTY AND SUPPORT

Hiacinto products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Hiacinto website. Please have your model number (ES503-JP) and purchase date available when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question