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SKYBASIC 5M

SKYBASIC Industrial Endoscope Borescope Camera User Manual

Model: 5M

1. OVERVIEW

The SKYBASIC Industrial Endoscope Borescope Camera is a handheld inspection device designed for viewing hard-to-reach areas. It features a 4.3-inch HD color LCD screen for real-time image display and an 8.5mm ultra-thin camera with 8 adjustable LED lights. The semi-rigid cable allows for flexible navigation through various spaces. This device is self-contained and does not require a mobile phone or additional software for operation.



Figure 1: SKYBASIC Industrial Endoscope Borescope Camera

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- LCD Digital Endoscope Unit
- User Manual
- USB Charging Cable (charging plug not included)
- Set of Accessories (including a hook, magnet, and side mirror)

8.5MM Ultra-Thin HD Camera + Semi-Rigid Cable

Easily complete tasks even in confined areas



Figure 2: Endoscope with included accessories (hook, magnet, mirror)

3. SETUP

- 1. Charging the Device:** Before first use, fully charge the endoscope using the provided USB charging cable. Connect the cable to the device's charging port and a compatible USB power adapter (not included). The battery indicator on the screen will show charging status.
- 2. Attaching Accessories:** If needed, attach the hook, magnet, or side mirror to the camera tip. These accessories are designed to snap securely onto the camera head for specific tasks.
- 3. Powering On:** Long press the power button located on the side of the device to turn it on. The 4.3-inch HD screen will display the live camera feed.

4. OPERATING INSTRUCTIONS

The endoscope is designed for immediate use upon powering on, without the need for external applications or Wi-Fi connections.

1. **Adjusting LED Lights:** The camera features 8 adjustable LED lights. Use the dedicated light adjustment button (often indicated by a sun or lightbulb icon) to cycle through different brightness levels to achieve optimal illumination in dark environments.
2. **Zoom Function:** The device supports a 2X optical zoom. Use the zoom buttons (often indicated by '+' and '-' magnifying glass icons) to magnify the image on the screen for closer inspection of details.
3. **Navigating the Camera Cable:** The 16.5-foot (5-meter) semi-rigid cable is designed to be both stiff and flexible. This allows you to bend and shape the cable to navigate through pipes, crevices, and other confined spaces while maintaining its form.
4. **Optimal Focusing Distance:** For the clearest images, maintain a focusing distance of 2cm to 10cm (0.8 inches to 3.9 inches) from the object being inspected.



Figure 3: IP67 Waterproof Probe with Adjustable LED Brightness

1920x1080P HD Borescope

2X Optical zoom
Perfect vision in tight spaces



Figure 4: HD Borescope with 2X Optical Zoom

Multifunctional Endoscopes

Adapted to Various Demand Scenarios



NO APP



No Wifi



No Phone



Figure 5: Various applications of the endoscope

5. MAINTENANCE

- **Cleaning:** After each use, gently wipe the camera lens and cable with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, ensuring no liquid enters the main unit. The camera probe is IP67 waterproof, but the main unit is not.
- **Charging:** Recharge the device when the battery indicator shows low power. Avoid completely draining the battery for prolonged periods to maintain battery health.
- **Storage:** Store the endoscope in a cool, dry place away from direct sunlight and extreme temperatures. Coil the cable neatly to prevent kinks or damage.

Large Battery, Long Battery Life

2000mAh
Battery capacity

4Hours
Battery life of 4 hours



Type-c charging



Real-time image



Charging 2.5h



Semi-Rigid Cord



Figure 6: Battery specifications and usage time

6. TROUBLESHOOTING

- **Device Not Powering On:**

- Ensure the battery is charged. Connect to a power source and try again.
- Long press the power button for at least 3-5 seconds.

- **Poor Image Quality:**

- Adjust the LED light brightness to suit the environment.
- Ensure the camera lens is clean and free of debris.
- Verify the object is within the optimal focusing distance (2cm-10cm).

- **Screen Freezes or Malfunctions:**

- Locate the reset button (usually a small pinhole) on the device. Use a thin object (like a paperclip) to press and hold the reset button for a few seconds.
- Power off the device, then power it back on.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	3.94 x 3.94 x 3.94 inches
Item Weight	1.12 pounds
Item Model Number	5M
Batteries	1 Lithium Polymer battery required (included)
Macro Focus Range	2-10 centimeters
Shooting Modes	Automatic
Exposure Control Type	Automatic
Color	Black
Video Capture Resolution	1080p

8. WARRANTY AND SUPPORT

SKYBASIC offers a worry-free guarantee and a 1-year replacement or return service for this borescope. For any questions regarding your digital endoscope camera or its instructions, please contact SKYBASIC customer support. Support is available 24/7 to assist you with any issues.