ILIHOME P40

ILIHOME 1080p 3.9mm Endoscopic Inspection Camera User Manual

Model: P40

1. Introduction

Thank you for choosing the ILIHOME 1080p 3.9mm Endoscopic Inspection Camera. This device is designed for inspecting hard-to-reach areas, providing clear visual feedback on its 4.3-inch IPS screen. Its ultra-fine probe, waterproof design, and adjustable LED lights make it suitable for various applications, including automotive, plumbing, and home maintenance.



Figure 1: ILIHOME Endoscopic Inspection Camera main unit.

2. Product Components

The ILIHOME Endoscopic Inspection Camera package includes the following items:

- 1 x 4.3-inch IPS Endoscope Camera
- 1 x 5-meter Semi-Rigid Cable with 3.9mm Probe
- 1 x Micro USB Charging Cable
- 1 x Set of Accessories (Hook, Magnet, Side Mirror)
- 1 x User Manual
- 1 x Travel Case



Figure 2: Included components and carrying case.

3. Setup

3.1 Charging the Device

Before first use, fully charge the device. Connect the Micro USB charging cable to the camera's charging port and a suitable USB power adapter (not included). The built-in 3000mAh rechargeable battery provides approximately 3 to 4 hours of continuous operation when fully charged.



Figure 3: Charging the device.

3.2 Inserting a Micro SD Card (Optional)

To save photos and videos, a Micro SD card (not included) is required. Locate the TF Card Slot on the device. Gently insert the Micro SD card until it clicks into place. Ensure the card is inserted in the correct orientation.

3.3 Powering On/Off

Press and hold the **OK / Power button** to turn the device on or off. The device is ready for use immediately after powering on, with no Wi-Fi connection or driver software download required.



Figure 4: Device layout with buttons and ports.

4. Operating Instructions

4.1 Navigating the Menu

Press the **Menu button** to access settings. Use the **Up / Light Dimming** and **Down / Light Dimming** buttons to navigate through options, and the **OK button** to confirm selections.

4.2 Adjusting LED Brightness

The camera probe features 6 super bright LED lights. Press the **Up / Light Dimming** or **Down / Light Dimming** buttons to adjust the brightness of the LEDs, providing optimal illumination in dark environments.



Figure 5: 3.9mm probe with adjustable LED lights.

4.3 Capturing Photos and Videos

Press the **Take Photo / Recording button** to capture still images or start/stop video recording. Ensure a Micro SD card is inserted to save your media.

4.4 Optimal Focal Distance

The camera has a fixed focal distance of 1.2 to 4 inches (approximately 3 to 10 cm) for clear imaging. Position the probe within this range for best results.



Figure 6: Optimal focal distance for clear images.

4.5 Using Accessories

The included accessories (hook, magnet, side mirror) can be attached to the end of the camera probe to assist with various tasks:

- **Hook:** For retrieving small objects from confined spaces.
- **Magnet:** For picking up metallic items.
- **Side Mirror:** For viewing at a 90-degree angle, useful for inspecting pipe walls or tight corners.



Figure 7: 3.9mm ultra-fine lens for narrow access.



Figure 8: 4.3-inch IPS screen for clear viewing.



Figure 9: Device controls and interface.



Figure 10: Focal distance illustration.



Figure 11: Included accessories: hook, magnet, and side mirror.

5. Maintenance

5.1 Cleaning the Probe and Lens

After each use, especially in dirty or wet environments, gently wipe the camera probe and lens with a soft, damp cloth. For stubborn dirt, use a small amount of mild soap and water, then wipe dry. Do not use abrasive cleaners or solvents.

5.2 Water Resistance

The camera probe is IP67 waterproof, meaning it can be submerged in water up to 1 meter deep for over 1 hour. However, the main display unit is not waterproof. Avoid exposing the main unit to water or excessive moisture.



Figure 12: IP67 waterproof probe.

5.3 Storage

Store the device and its accessories in the provided travel case in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the device is fully charged before long-term storage to preserve battery life.

6. Troubleshooting

- **Device does not power on:** Ensure the battery is fully charged. Connect the device to a power source and try again.
- **No image on screen:** Check if the probe cable is securely connected to the main unit.
- **Blurry image:** Adjust the distance between the camera lens and the object to be within the optimal focal range of 1.2 to 4 inches. Clean the camera lens if it is dirty.
- **LED lights are not working or too dim/bright:** Use the Up/Down buttons to adjust the LED brightness.
- **Cannot save photos/videos:** Ensure a Micro SD card is properly inserted and has sufficient free space. The device may overheat with prolonged use, which is normal. Allow it to cool down if it becomes excessively warm.

If you encounter any issues not covered here, please refer to the contact information in the Warranty and Support section.

7. Specifications

Feature	Specification
Brand	ILIHOME
Model	P40
Screen Size	4.3 inches IPS
Video Resolution	1080p
Lens Diameter	3.9 mm
Cable Length	5 meters
LED Lights	6 adjustable LEDs
Waterproof Rating	IP67 (probe only)

Feature	Specification
Battery Capacity	3000 mAh Lithium-polymer
Working Time	3-4 hours
Focal Distance	1.2 - 4 inches (3 - 10 cm)
Connectivity	USB
Storage	Micro SD card (not included)

8. Safety Information

- Do not attempt to disassemble or modify the device. This may void the warranty and cause damage.
- Keep the device away from extreme temperatures, open flames, and corrosive substances.
- Ensure the charging cable is not damaged before use.
- This device is not intended for medical use or personal examination.
- Dispose of the battery and device according to local regulations.

9. Warranty and Support

ILIHOME provides customer support for this product. If you have any questions, require assistance, or experience any issues with your ILIHOME Endoscopic Inspection Camera, please do not hesitate to contact us through the platform where you purchased the product. Please have your purchase details and model number (P40) ready when contacting support.

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