ILIHOME Endoscope

ILIHOME 1080P HD Endoscope Borescope Camera User Manual

Model: Endoscope | Brand: ILIHOME

1. Introduction

This manual provides detailed instructions for the safe and effective use of your ILIHOME 1080P HD Endoscope Borescope Camera. This device is designed for visual inspection in hard-to-reach areas, compatible with both iOS and Android devices. Please read this manual thoroughly before operation and retain it for future reference.

2. Package Contents

Verify that all items listed below are present in your package:

- Endoscope Unit (with integrated Type-C connector) x1
- Type-C to Apple Dock Adapter x1
- Type-C to Micro USB Adapter x1
- 16.5ft (5m) Semi-Rigid Cable x1 (integrated with endoscope)
- Magnet Attachment x1
- Hook Attachment x1
- Side-View Mirror Attachment x1
- Protective Cap x1
- User Manual x1



Image: The ILIHOME Endoscope Borescope Camera, showing the main unit, the coiled semi-rigid cable, the 8mm lens, the control unit, and the included Type-C and Apple Dock adapters, ready for connection to a smartphone.

3. Product Overview

The ILIHOME Endoscope features a 1080P HD camera with an 8mm lens, designed for clear visual inspection. It includes 8 adjustable LED lights to illuminate dark environments and a 16.5ft (5m) semi-rigid cable for flexible maneuverability. The device is powered directly by your smartphone via Type-C, Apple Dock, or Micro USB connections, eliminating the need for internal batteries or charging.

Key Features:

- **1080P HD Resolution:** Captures clear images and videos.
- **8mm Micro-Probe:** Allows access to confined spaces.

- **8 Adjustable LED Lights:** Provides illumination in dark areas with adjustable brightness.
- **16.5ft (5m) Semi-Rigid Cable:** Maintains shape for precise positioning.
- **IP67 Waterproof:** The probe is resistant to water immersion up to 1 meter for 1 hour.
- **Plug & Play:** Direct phone powering via Type-C/Apple Dock/Micro USB.
- **Universal Compatibility:** Supports iOS and Android devices.



Image: A close-up of the endoscope's control unit, highlighting the dial for adjusting the brightness of the integrated LED lights. The image also shows a conceptual diagram of light intensity adjustment.

4. Setup Instructions

4.1 App Installation

1. **Download the App:** Scan the QR code provided in the included manual or search for "i-See Pro" (or a similar recommended endoscope app) in your device's app store (Google Play Store for Android, Apple App Store for iOS).
2. **Install the App:** Follow the on-screen instructions to install the application.
3. **Grant Permissions:** Allow necessary permissions (e.g., camera, storage) when prompted by the app.

4.2 Connecting the Endoscope

1. **Select Adapter:** Identify the correct adapter for your smartphone (Type-C, Apple Dock, or Micro USB). The endoscope cable has a built-in Type-C connector.
2. **Connect Adapter:** If your phone uses Apple Dock or Micro USB, attach the corresponding adapter to the Type-C connector of the endoscope cable.
3. **Plug into Phone:** Insert the endoscope's connector (or adapter) into your smartphone's charging port.
4. **Launch App:** The app should automatically launch and display a live feed from the endoscope camera within a few seconds. If not, manually open the installed app.



Image: A smartphone connected to the endoscope cable, demonstrating the use of the Type-C and Apple Dock adapters for universal compatibility. The image shows the various connection points clearly.

5. Operating Instructions

5.1 Adjusting LED Brightness

Locate the control unit on the endoscope cable. Rotate the dial on this unit to adjust the brightness of the 8 LED lights surrounding the camera lens. This allows for optimal illumination in various inspection environments.

5.2 Capturing Images and Videos

Once the live feed is visible in the app:

- **Take a Photo:** Tap the camera icon within the app to capture a still image.
- **Record Video:** Tap the video icon to start recording. Tap it again to stop recording.
- **Access Media:** Captured photos and videos are saved directly to your smartphone's gallery or within the app's dedicated album section.

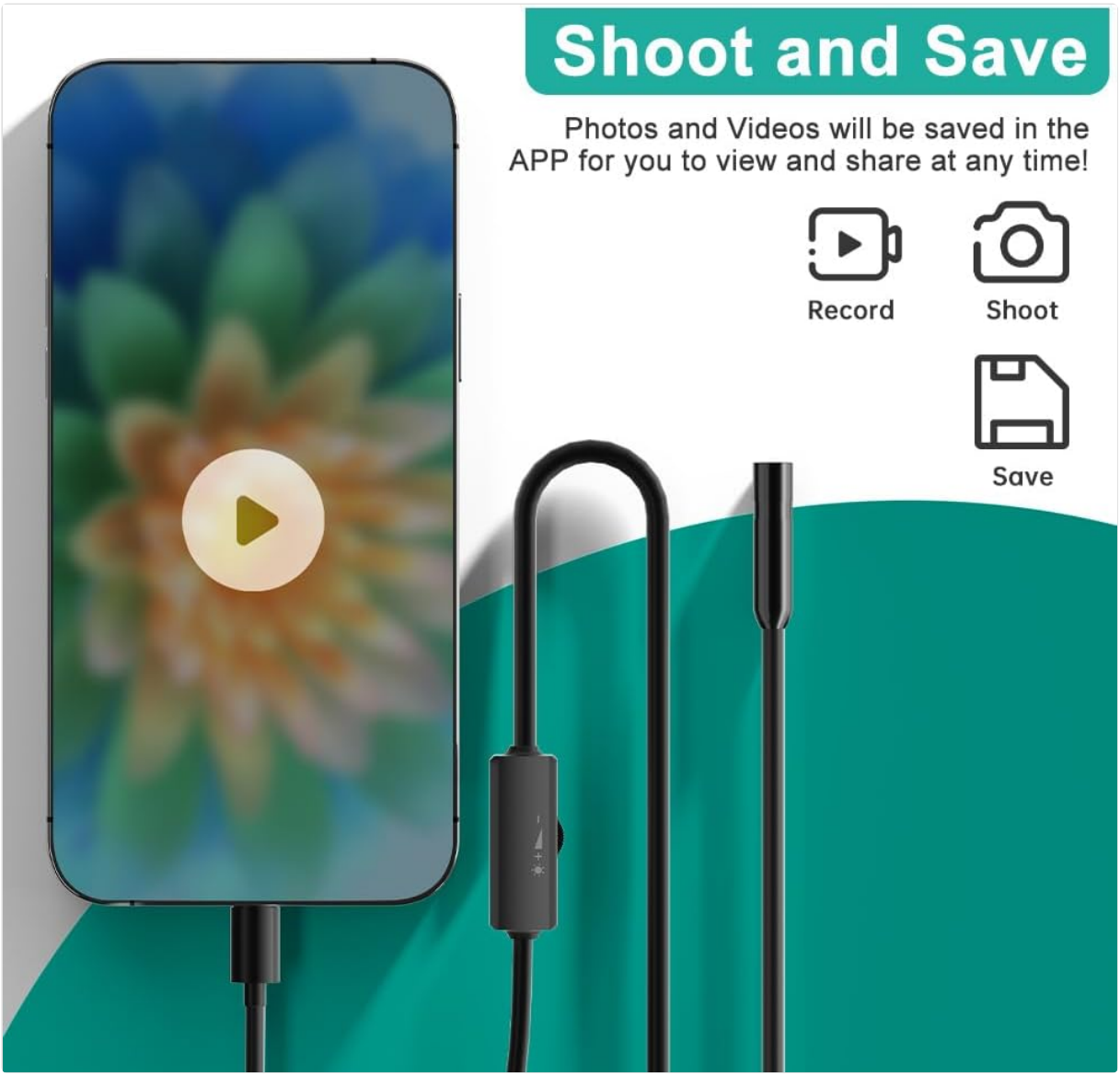


Image: A smartphone screen displaying the "Shoot and Save" functionality of the endoscope app, with icons for recording video, taking photos, and saving media. This illustrates how users can capture and store inspection footage.

5.3 Using Attachments

The endoscope comes with three useful attachments:

- **Magnet:** Attach to the camera head to retrieve small metallic objects from inaccessible areas.
- **Hook:** Attach to the camera head to retrieve non-metallic objects or guide cables.
- **Side-View Mirror:** Attach to the camera head to change the viewing angle for inspecting walls or sides of pipes.

To attach, carefully screw the desired accessory onto the threaded tip of the endoscope camera.

6. Maintenance

6.1 Cleaning

- **Camera Lens:** Gently wipe the camera lens with a soft, dry, lint-free cloth. For stubborn dirt, use a small amount of lens cleaning solution on the cloth.
- **Cable and Body:** Wipe the semi-rigid cable and control unit with a damp cloth. Do not immerse the control unit or phone connectors in water.
- **Attachments:** Clean attachments as needed with water and mild soap, then dry thoroughly.

6.2 Storage

Store the endoscope and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the protective cap on the camera lens when not in use to prevent scratches.

7. Troubleshooting

Problem	Possible Cause	Solution
No image on screen / App not launching	Incorrect connection, app not installed, insufficient permissions, incompatible device.	◦ Ensure the endoscope is securely connected to your phone via the correct adapter. ◦ Verify the app is installed and updated. ◦ Check app permissions in your phone's settings. ◦ Confirm your smartphone supports OTG functionality (for Android). ◦ Try a different compatible app if the recommended one fails.
Image is blurry or dark	Dirty lens, insufficient LED brightness, focal distance issue.	◦ Clean the camera lens. ◦ Adjust the LED brightness using the control dial. ◦ Ensure the object is within the optimal focal length (2-4 inches).
Phone battery drains quickly	Endoscope draws power from the phone.	◦ This is normal operation. For extended use, ensure your phone is fully charged or connected to a power source.
Cable is too stiff/flexible	Nature of semi-rigid cable.	◦ The semi-rigid cable is designed to hold its shape. Practice maneuvering it to achieve desired angles.

8. Specifications

Feature	Detail
Model	Endoscope

Feature	Detail
Brand	ILIHOME
Camera Resolution	1080P HD (2.0MP)
Lens Diameter	8mm
LED Lights	8, adjustable brightness
Cable Length	16.5ft (5 meters)
Cable Type	Semi-rigid
Waterproof Rating	IP67 (probe only)
Connectivity	Type-C, Apple Dock, Micro USB
Compatibility	iOS and Android devices
Optimal Focal Length	2-4 inches (5-10 cm)
Shooting Modes	Automatic, Night
Exposure Control Type	Automatic
Color	Black
Item Weight	7 ounces (approx. 198g)
Package Dimensions	4.92 x 4.88 x 1.54 inches



Image: The endoscope probe partially submerged in water, visually representing its IP67 waterproof capability, which allows for inspection in wet environments.

9. Safety Information

- Do not attempt to disassemble or modify the device.
- Keep the device away from extreme temperatures, corrosive liquids, and open flames.
- Ensure the camera lens is clean before use for optimal image quality.
- The probe is IP67 waterproof; however, the control unit and phone connectors are not. Avoid exposing them to water.
- This device is for inspection purposes only and should not be used for medical applications or personal examination.
- Keep out of reach of children.

10. Warranty and Support

ILIHOME products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official ILIHOME website. Please have your product model and purchase date available when contacting

support.

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