

## Ulefone E01 Single Camera

# Ulefone uSmart Endoscope E01 Single Camera Instruction Manual

Model: E01 Single Camera

## 1. PRODUCT OVERVIEW

The Ulefone uSmart Endoscope E01 is a specialized inspection camera designed for use with compatible Ulefone Armor and Pad Series devices. It connects via an external expansion port, transforming your device into a versatile inspection tool. This endoscope features a semi-rigid cable, a 5.5mm camera head with adjustable LED lights, and IP67 waterproofing, making it suitable for inspecting hard-to-reach, narrow, and confined spaces.

- **Compatibility:** Designed for Ulefone Armor 30/29/28/27/26/24/21/18/16/Pad Series devices with an external expansion port.
- **Waterproof Design:** The cable and camera are IP67 waterproof, suitable for inspecting pipes and wet environments (avoid prolonged submersion).
- **Adjustable Illumination:** Equipped with 6 adjustable LED lights around the camera for clear visibility in dark conditions.
- **Semi-Rigid Cable:** The 2-meter semi-rigid cable maintains its shape, allowing for precise navigation into tight spaces.
- **Multi-functional Accessories:** Includes a hook, magnet, reflecting mirror, and protective case for enhanced utility.



The Ulefone uSmart Endoscope E01, featuring its camera head, semi-rigid cable, and control unit.



The endoscope connected to a compatible Ulefone smartphone, ready for inspection.

## 2. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- 1 x Ulefone uSmart Endoscope E01
- 1 x Hook attachment
- 1 x Magnet attachment
- 1 x Reflecting Mirror attachment
- 1 x Protective Case for camera lens
- 1 x Screwdriver
- 2 x Screws
- 1 x User Manual

# Armor 9/9E Waterproof 3 in 1 Endoscope

Lens Diameter: 5.5mm  
Cable Length: 2m

Resolution: 1280\*720/640\*480  
Waterproof Level: IP67

Package Content: 1 x Endoscope, 1 x Hook,  
1 x Reflecting Mirror, 1 x Magnet  
1 x Protective Case, 1 x Screwdriver, 2 x Screws, 1 x User Manual

Endoscope Application Supports Languages:



中文



English



Deutsche



Français



Español



Italiano



한국어



日本語



All items included in the Ulefone uSmart Endoscope E01 package.

## 3. SETUP AND INSTALLATION

Follow these steps to connect and prepare your Ulefone uSmart Endoscope E01 for use:

- 1. Locate the Expansion Port:** Identify the external expansion port on the left bottom side of your compatible Ulefone Armor or Pad Series device.
- 2. Remove Protective Screw:** Use the provided screwdriver to carefully remove the small screw securing the protective cover over the expansion port.
- 3. Install Endoscope Application:** Scan the QR code provided in the package or user manual to download and install the dedicated endoscope application on your Ulefone device. You may need to allow installation from unknown sources in your device's security settings.
- 4. Connect Endoscope:** Align the endoscope connector with the expansion port on your device and gently push it in. Secure it by tightening the thumbscrew on the endoscope cable.
- 5. Launch Application:** Open the newly installed endoscope application. The device should automatically detect the connected endoscope and display the camera feed.



The endoscope cable and camera head, ready for connection.

## 4. OPERATION

### 4.1 Adjusting LED Lights

The endoscope camera is equipped with 6 adjustable LED lights to illuminate dark inspection areas. To adjust the brightness:

- Locate the brightness control wheel on the endoscope's control unit, located on the cable.
- Rotate the wheel to increase or decrease the intensity of the LED lights.
- The lights can be turned off completely if not required.

## IP67 Waterproof

The cable and the camera is IP67 waterproof, can support inspection of pipes, toilets and etc., but please do not stay in water for a long time.



The camera head with LED lights and the brightness control wheel.

## 4.2 Using Accessories

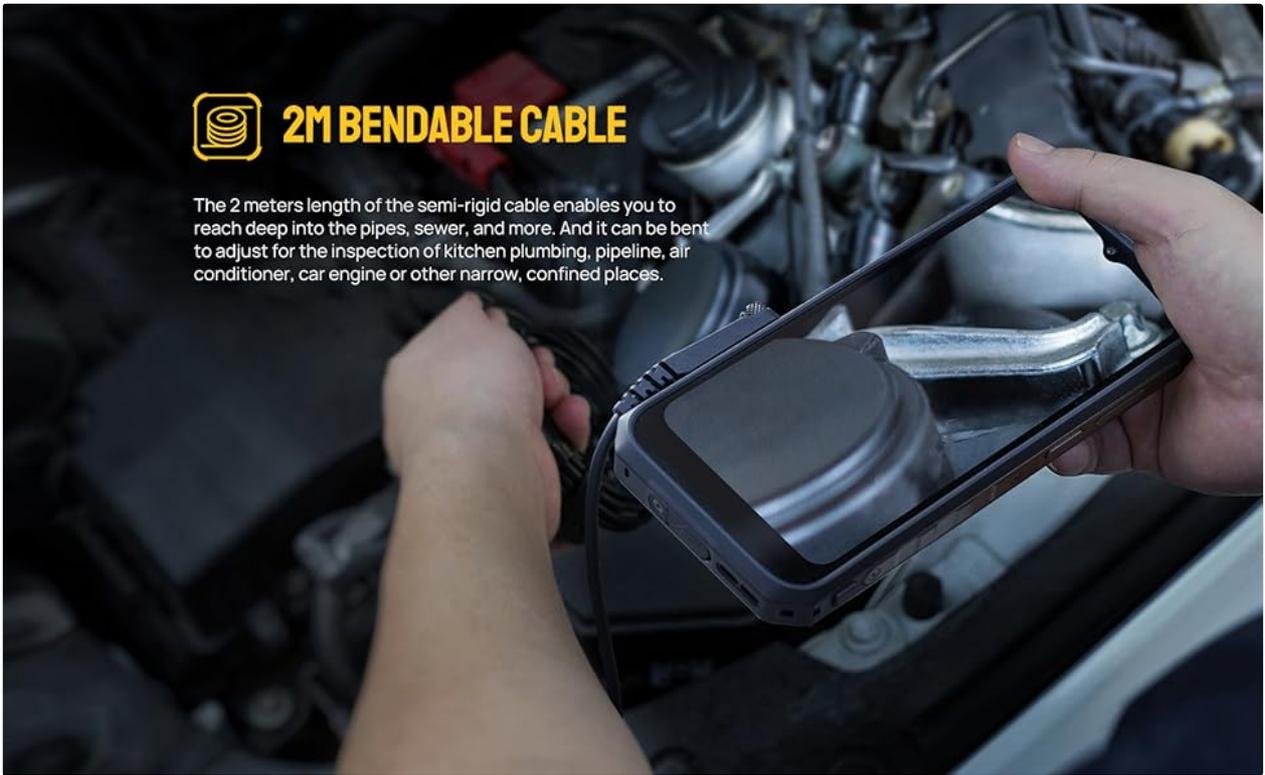
The endoscope comes with several accessories to enhance its functionality:

- **Hook:** Attach the hook to the camera head to retrieve small items like keys, rings, or jewelry from inaccessible areas.
- **Magnet:** Use the magnet attachment to attract and retrieve small iron items.
- **Reflecting Mirror:** The reflecting mirror provides a side view, useful for inspecting walls of pipes or other angled surfaces.
- **Protective Case:** Use the protective case to shield the endoscope camera lens from damage during use in abrasive environments.



## 2M BENDABLE CABLE

The 2 meters length of the semi-rigid cable enables you to reach deep into the pipes, sewer, and more. And it can be bent to adjust for the inspection of kitchen plumbing, pipeline, air conditioner, car engine or other narrow, confined places.

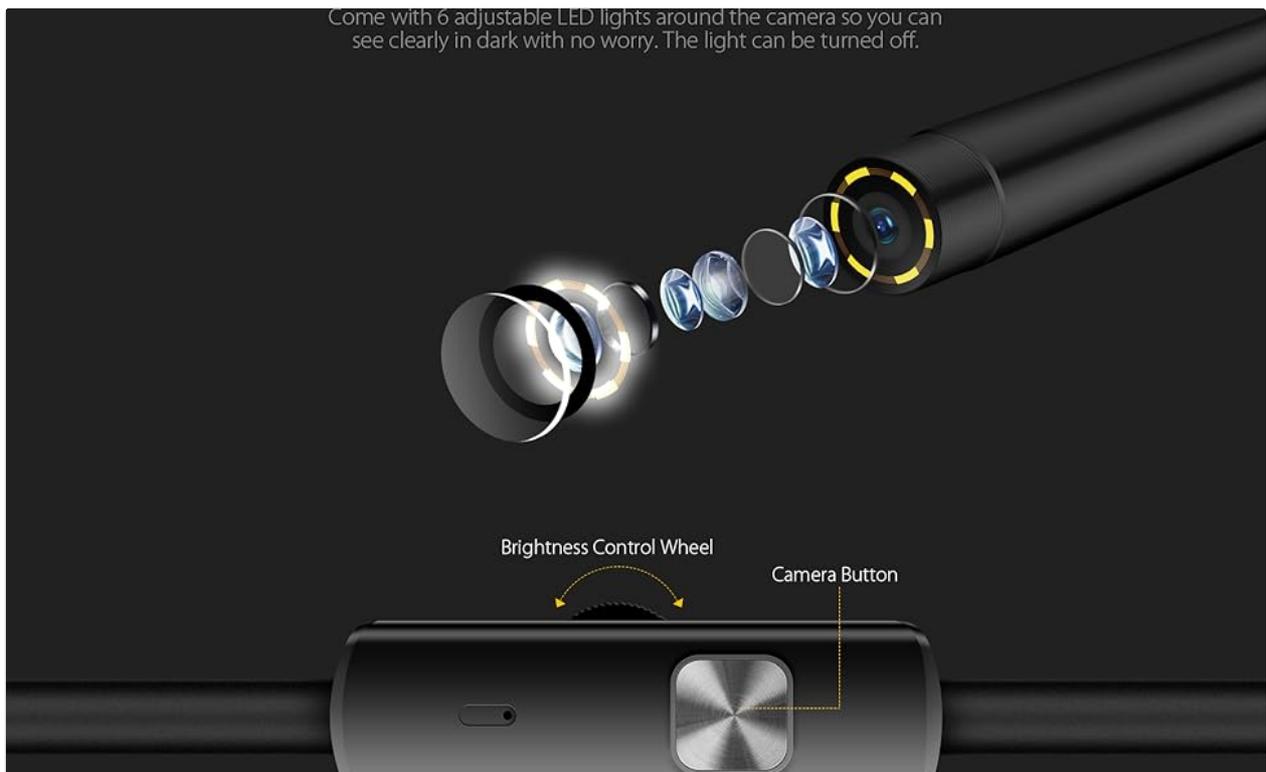


The endoscope accessories and their application, such as retrieving a ring with the hook.

### 4.3 Typical Applications

The Ulefone uSmart Endoscope E01 is suitable for a variety of inspection tasks, including but not limited to:

- Automotive inspection (engine components, exhaust systems)
- Plumbing inspection (pipes, drains, toilets)
- HVAC inspection (ductwork, air conditioning units)
- Home appliance repair (washing machines, ovens)
- Wall cavity inspection



Examples of the endoscope being used in various inspection tasks.

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This video demonstrates the Ulefone uSmart Endoscope E01 in various inspection scenarios, highlighting its features and ease of use with compatible Ulefone devices.

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## 5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Ulefone uSmart Endoscope E01, follow these maintenance guidelines:

- **Water Resistance:** The camera and cable are IP67 waterproof. This means they are protected against dust and can withstand immersion in water up to 1 meter for up to 30 minutes. However, avoid prolonged submersion or use in high-pressure water environments.
- **Cleaning:** After use, especially in dirty or wet conditions, gently wipe the camera lens and cable with a soft, damp cloth. Ensure the lens is clean for clear images.
- **Storage:** Store the endoscope in a clean, dry place away from extreme temperatures and direct sunlight. Coil the semi-rigid cable loosely to prevent damage.
- **Accessory Care:** Keep the hook, magnet, and reflecting mirror attachments clean and free from debris. Store them in the provided protective case or a suitable container to prevent loss or damage.

The endoscope's IP67 waterproof design allows for inspection in wet environments.

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## 6. TROUBLESHOOTING

If you encounter issues with your Ulefone uSmart Endoscope E01, consider the following:

- **No Image/Connection Issue:**
    - Ensure the endoscope is securely connected to the expansion port on your Ulefone device.
    - Verify that the dedicated endoscope application is correctly installed and launched.
    - Confirm your Ulefone device model is listed as compatible (e.g., Armor 30/29/28/27/26/24/21/18/16/Pad Series). This endoscope is designed for specific Ulefone models with a proprietary connection.
    - Restart your Ulefone device and try reconnecting the endoscope.
  - **Poor Image Quality:**
    - Clean the camera lens with a soft, lint-free cloth.
    - Adjust the LED light brightness using the control wheel on the cable.
    - Ensure the inspection area has adequate lighting from the endoscope's LEDs.
  - **Accessories Not Functioning:**
    - Ensure accessories are securely attached to the camera head.
    - Check for any physical damage to the accessories.
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## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	E01 Single Camera
Lens Diameter	5.5 mm
Cable Length	2 meters
Video Capture Resolution	1080p (also supports 1280*720/640*480)
Water Resistance Level	IP67 Waterproof
LED Lights	6 adjustable LEDs
Item Weight	6.7 ounces
Package Dimensions	8.46 x 5 x 1.57 inches



The 2-meter semi-rigid cable allows for flexible navigation into tight spaces.

## 8. WARRANTY AND SUPPORT

Ulefone products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Ulefone website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact Ulefone customer support through their official channels.