Oumefar Oumefar6btypcndiq-13

Oumefar 3-in-1 HD Inspection Endoscope User Manual

Model: Oumefar6btypcndiq-13

1. Introduction

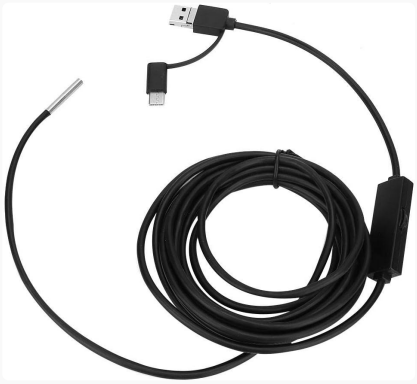
Thank you for choosing the Oumefar 3-in-1 HD Inspection Endoscope. This versatile device is designed for detailed visual inspection in hard-to-reach areas, offering high-definition imaging and broad compatibility with Android and Type-C mobile devices, as well as standard USB connections for computers. Its waterproof design and adjustable LED lighting make it suitable for a wide range of applications, from home maintenance to industrial inspections.

2. Safety Information

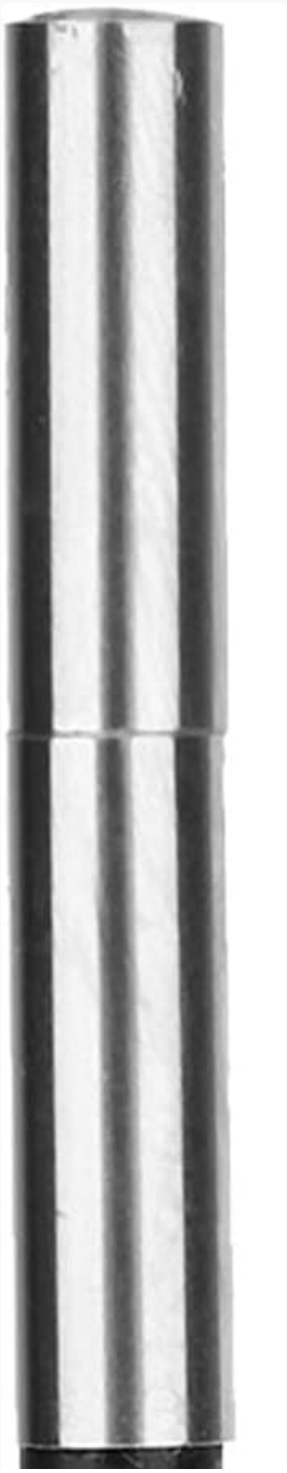
- Do not attempt to disassemble or modify the device. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the device away from extreme temperatures, direct sunlight, and corrosive liquids.
- Ensure the device is disconnected from power sources when not in use or during cleaning.
- This device is rated IP67 waterproof for the camera probe only. Do not submerge the main body or connection ports in water.
- Use only compatible power sources and cables.

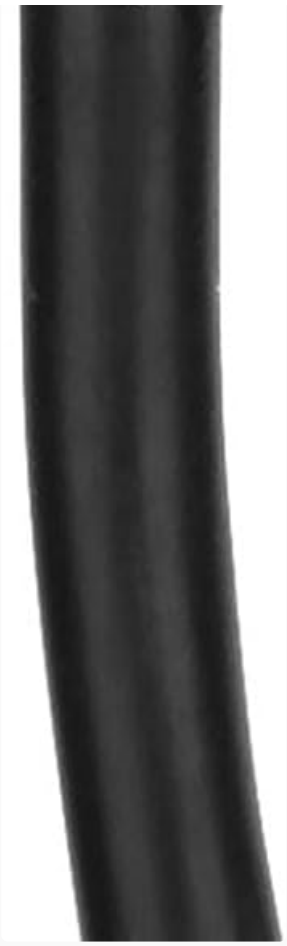
3. Product Overview

The Oumefar 3-in-1 Endoscope features a flexible cable with a small diameter camera lens at one end and a multi-interface connector at the other. An inline control unit allows for LED light adjustment.

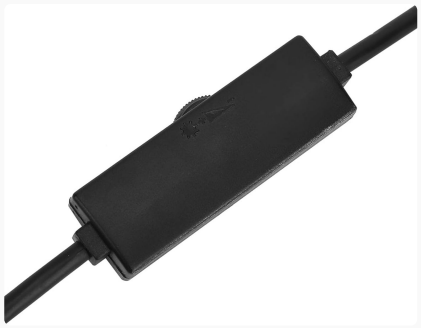


Overall view of the Oumefar 3-in-1 HD Inspection Endoscope, showing the camera probe, coiled cable, inline control, and the USB/Type-C dual connector.





Close-up view of the small 3.9mm diameter camera lens, equipped with integrated LED lights for illumination.



Detail of the inline control unit, featuring a rotary switch for adjusting the brightness of the LED lights.

4. Specifications

Feature	Specification
Lens Diameter	3.9mm
Resolution	1280x720, 640x480
Video Capture Resolution	720p
Focusing Length	4-10 cm

Feature	Specification
LED Lights	6 adjustable LEDs
Waterproof Rating	IP67 (for camera probe)
Compatibility	Android, Type-C, USB (Windows/macOS)
Color	Black
Item Weight	4.6 ounces
Model Number	Oumefar6btypcndiq-13

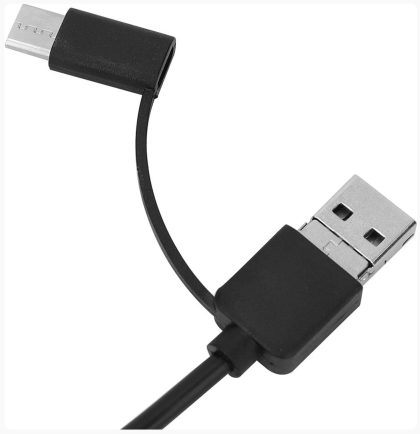
5. Setup

Before using the endoscope, ensure your device meets the compatibility requirements (Android phone with OTG function, Type-C phone, or a computer with USB port). You will need to download a compatible application for your mobile device or software for your computer.

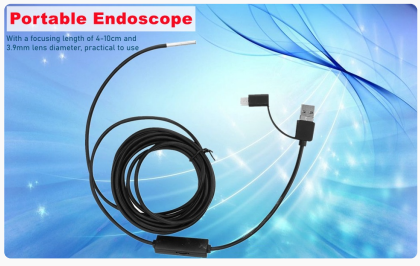
5.1. Software Installation

1. **For Android/Type-C Devices:** Search for and download a suitable endoscope application from your device's app store. Common applications include 'USB Camera', 'AN98', or 'OTG View'. Ensure the app supports external USB cameras and OTG functionality.
2. **For Windows/macOS Computers:** Connect the endoscope via the USB interface. Most operating systems will recognize it as a webcam. You can use built-in camera applications (e.g., Camera app on Windows, Photo Booth on macOS) or third-party webcam software.

5.2. Connecting the Endoscope



Detail of the versatile 3-in-1 connector, showing the standard USB-A, Micro USB, and reversible Type-C interfaces.



Illustrative diagram demonstrating how to connect the endoscope using its USB, Android (Micro USB), and Type-C interfaces to different devices like computers, laptops, and smartphones.

1. **For Android/Type-C Devices:** Connect the appropriate Micro USB or Type-C connector to your mobile phone's charging port. Ensure your phone's OTG function is enabled in settings if required.
2. **For Computers:** Plug the standard USB-A connector into an available USB port on your computer.
3. Once connected, open the installed application/software. The endoscope's video feed should appear on your screen.

6. Operating Instructions

After successful setup, you can begin using your endoscope for inspection.

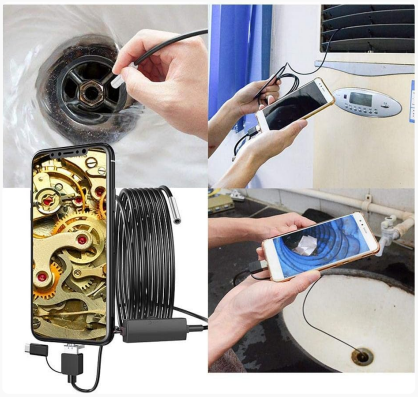
6.1. Adjusting LED Brightness

Locate the inline control unit on the cable. Rotate the small wheel on this unit to adjust the brightness of the 6 LED lights around the camera lens. Adjust the brightness to achieve optimal visibility in different environments.

6.2. Capturing Images and Videos

Most endoscope applications will have dedicated buttons or controls for capturing still images and recording video. Refer to your specific application's interface for these functions. Images and videos are typically saved to your device's gallery or a designated folder within the application.

6.3. Application Scenarios



Collage of images demonstrating various uses of the endoscope, including inspecting plumbing, air conditioning units, and general hard-to-reach areas.

Visual representation of common endoscope applications: pipeline inspection, automotive diagnostics, appliance troubleshooting, and retrieving dropped items.

The endoscope is ideal for:

- **Pipeline and Drain Inspection:** Inspecting clogs, leaks, or damage in pipes and drains.
- **Automotive Maintenance:** Examining engine components, spark plug holes, or other confined spaces in vehicles.
- **Appliance Repair:** Looking inside washing machines, refrigerators, or HVAC systems.
- **General Home Inspection:** Checking behind walls, under floors, or in tight crawl spaces.
- **Retrieving Lost Items:** Locating and potentially retrieving small items dropped in inaccessible areas.

7. Maintenance

- **Cleaning the Lens:** After use, especially in dirty or wet environments, gently wipe the camera lens with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by drying. Do not use abrasive cleaners or solvents.
- **Cable Care:** Avoid sharp bends or kinks in the cable, as this can damage internal wiring. Coil the cable loosely for storage.
- **Storage:** Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Water Exposure:** While the camera probe is IP67 waterproof, ensure the USB/Type-C connectors and the inline control unit remain dry. If they get wet, dry them thoroughly before connecting to any device.

8. Troubleshooting

Problem	Possible Cause	Solution
No image on screen / Black screen	Incorrect app/software, loose connection, phone OTG not enabled, incompatible device.	Ensure the correct app is open and selected. Reconnect the endoscope firmly. Check phone settings for OTG function and enable it. Verify device compatibility. Try a different USB port or device.
Image is blurry or unclear	Lens is dirty, object is outside focal range, insufficient lighting.	Clean the camera lens. Adjust the distance to the object (optimal focal length is 4-10cm). Increase LED brightness using the inline control.
LED lights not working	Brightness dial set to minimum, power issue.	Rotate the brightness adjustment wheel on the inline control unit. Ensure the endoscope is properly connected and receiving power.
Device not recognized by computer	Driver issue, USB port problem.	Try a different USB port. Restart your computer. Check Device Manager (Windows) or System Information (macOS) to see if the device is listed.

9. Warranty and Support

Oumefar products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official Oumefar website. Please retain your proof of purchase for warranty claims.
For further assistance, you may visit the Oumefar Store on Amazon.