

Walfront WALFRONT5odgw7xu0z-12

Walfront HD Endoscope Camera Instruction Manual

Model: WALFRONT5odgw7xu0z-12

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1. INTRODUCTION

Thank you for choosing the Walfront HD Endoscope Camera. This device is designed for visual inspection in hard-to-reach areas, offering clear imaging and ease of use. It is suitable for various applications including automotive maintenance, home inspections, electrical installations, and HVAC repairs. This manual provides detailed instructions for the proper setup, operation, and maintenance of your endoscope camera.



Figure 1.1: The Walfront HD Endoscope Camera being used for car engine inspection, air conditioning unit inspection, and sink drain inspection. This image illustrates the versatility of the endoscope in different environments.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Walfront HD Endoscope Camera Unit
- 1 x USB Type-C Data Cable
- 1 x Pack of Accessories (includes magnet, hook, side mirror)
- 1 x User Manual

3. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before using this product. Failure to follow the warnings

and instructions may result in electric shock, fire, or serious injury.

- Do not use the camera in environments with flammable or explosive gases.
- Do not immerse the main unit in water. The camera probe is IP67 rated for water resistance, but the main display unit is not.
- Keep the device away from children.
- Do not attempt to disassemble or modify the device. This will void the warranty.
- Use only the provided or a certified USB Type-C cable for charging.
- Ensure the camera lens and LED lights are clean before use for optimal viewing.
- Avoid direct eye exposure to the LED lights.

4. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your Walfront HD Endoscope Camera.



Figure 4.1: Key features of the endoscope camera, including the Type-C charging port, the focal length range of 2cm-10cm for the camera

probe, and the black silicone control buttons.

Equipped with 2.7CM lens, suitable for narrow pipe 1920x1080P

1920*1080P

4.3in HD large screen

IP67 water/oil proof

2000mAh battery



Figure 4.2: The endoscope camera unit, showcasing its 2.7CM lens suitable for narrow pipes, 1920x1080P resolution, 4.3-inch HD screen, IP67 water/oil proof rating, and 2000mAh battery capacity.

LARGER IPS COLOR DISPLAY

4.3 inch show clearer inspection details



Figure 4.3: The larger IPS color display of the endoscope, emphasizing its 4.3-inch size for clearer inspection details and enhanced brightness.



8 ADJUSTABLE LED LIGHTS



IP67 WATERPROOF



Figure 4.4: The flexible camera probe featuring 8 adjustable LED lights for illumination and an IP67 waterproof rating, making it suitable for wet environments.

5. SETUP

5.1 Charging the Device

Before first use, fully charge the endoscope camera. Connect the provided USB Type-C data cable to the charging port on the device and the other end to a standard USB power adapter (not included) or a computer USB port. The charging indicator will show the charging status.

5.2 Attaching Accessories

The endoscope comes with a pack of accessories including a magnet, hook, and side mirror. These can be attached to the tip of the camera probe for specific tasks.

1. Carefully align the desired accessory with the threads or grooves at the end of the camera probe.
2. Gently screw or push the accessory into place until it is secure. Do not overtighten.



Figure 5.1: The included accessories: a magnet for retrieving metallic objects, a hook for snagging foreign bodies, and a side mirror for viewing at a 90-degree angle.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

To power on the device, press and hold the **POWER** button located on the front panel until the screen illuminates. To power off, press and hold the **POWER** button again until the screen turns off.

6.2 Adjusting LED Lights

The camera probe is equipped with 8 adjustable LED lights to illuminate dark inspection areas. Use the dedicated light adjustment buttons on the main unit to increase or decrease the brightness as needed for optimal visibility.

6.3 Using the Camera Probe

The endoscope camera features a slim 8mm diameter probe with a focal length range of 2cm to 10cm, providing clear images in real-time on the 4.3-inch color LCD screen. Carefully insert the camera probe into the area you wish to inspect.

Maneuver the flexible cable to navigate through narrow spaces. Adjust the LED brightness for the best view.

6.4 Image and Video Capture (If applicable)

While the device provides real-time HD images, specific buttons for capturing still images or recording video are typically present on such devices. Refer to the on-screen icons or physical buttons for functions like 'Photo' or 'Record' if available on your model. Saved media can usually be accessed via a menu option.

7. MAINTENANCE

7.1 Cleaning

- **Camera Probe:** After each use, especially in dirty or wet environments, gently wipe the camera lens and probe with a soft, damp cloth. For stubborn dirt, a small amount of mild soap can be used, followed by wiping with a clean, damp cloth. Ensure no liquid enters the main unit.
- **Main Unit:** Wipe the display screen and main unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.

7.2 Storage

Store the endoscope camera in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the camera probe is coiled loosely and not sharply bent to prevent damage to the internal wiring.

7.3 Battery Care

To prolong battery life, charge the device regularly, even if not in frequent use. Avoid fully discharging the battery for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the provided USB Type-C cable.
No image on screen.	Camera probe not connected properly (if detachable). LED lights are off or too dim.	Ensure the camera probe is securely connected. Adjust the LED brightness using the dedicated buttons.
Image is blurry or unclear.	Camera lens is dirty. Object is outside the focal range.	Clean the camera lens with a soft cloth. Adjust the distance between the camera lens and the object (optimal focal range is 2cm-10cm).
LED lights not working.	Lights are turned off or at minimum brightness.	Press the light adjustment buttons to increase brightness.

9. SPECIFICATIONS

- Model:** WALFRONT5odgw7xu0z-12
- Battery:** 1 x Rechargeable Lithium Battery, 2000mAh
- Camera Diameter:** Approx. 8mm / 0.31in
- Camera Resolution:** 1920x1080P
- Viewing Angle:** 70°
- Focal Length:** 20-100mm (2cm-10cm)

Auxiliary Lighting: 8 Adjustable LED Lights

Screen Type: 4.3-inch Color LCD Display

Charging Port: Type-C

Operating Temperature: -10°C to 45°C (14°F to 113°F)

Camera Temperature: -10°C to 80°C (14°F to 176°F)

Waterproof Rating: IP67 (for camera probe only)

10. WARRANTY & SUPPORT

Walfront products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your purchase or contact Walfront customer service through the retailer where the product was purchased. Please have your model number (WALFRONT5odgw7xu0z-12) and purchase date ready when contacting support.

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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

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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