



Manuals.plus /

› Walfront /

› Walfront 4.3 Inch 1080P HD Industrial Endoscope Camera User Manual

Walfront WALFRONThc19y5wg7i-11

Walfront 4.3 Inch 1080P HD Industrial Endoscope Camera User Manual

Model: WALFRONThc19y5wg7i-11

1. INTRODUCTION

Thank you for choosing the Walfront 4.3 Inch 1080P HD Industrial Endoscope Camera. This device is designed for visual inspection in hard-to-reach areas, offering a clear view with its high-definition display and durable construction. This manual provides essential information for the proper setup, operation, and maintenance of your endoscope camera.

2. PRODUCT OVERVIEW

The Walfront Industrial Endoscope Camera features a compact design with an integrated display and intuitive controls. Familiarize yourself with the components before operation.



SNAKE CAMERA

Excellent ABS Material

Strong and wear resistant, not easy to be damaged, and has a long service life.

Waterproof

IP67 waterproof body, IP6 waterproof lens.

Applicable to a variety of fields, automotive repair, plumbing, industry, home appliances, outdoor rescue and other fields.



Figure 2.1: Front view of the endoscope camera, displaying the 4.3-inch screen and control panel. The screen shows 'No Signal', indicating the probe is not yet connected or active.



Auto Mechanical Inspection



House Decoration Inspection



Home Appliance Inspection



Clogged Pipes Inspection

Figure 2.2: Detailed view of the control buttons, including Power, OK, navigation arrows, and a 180-degree rotation button.

Package Contents:

- Endoscope Camera Unit
- Lens Probe (1m length)
- USB Cable (Type C)
- User Manual

3. SPECIFICATIONS

Display	4.3 Inch Color Display
Resolution	1920 x 1080P
Lens Angle	70°
Working Voltage	5V
Waterproof Rating	IP67 (Lens Only)
Lens Diameter	8mm
Power Connector	Type C
Battery Capacity	2600mAh Lithium Ion Battery (Built-in)
Material	ABS
Model Name	WALFRONThc19y5wg7i-11

4. SETUP

Follow these steps to prepare your endoscope camera for use:

1. **Charge the Device:** Before first use, ensure the endoscope camera is fully charged. Connect the provided USB Type-C cable to the device's charging port and a suitable 5V USB power adapter (not included). The charging indicator will show the charging status.
2. **Attach the Lens Probe:** Carefully connect the lens probe to the designated port on the main unit. Ensure it is securely fastened to prevent signal loss.
3. **Power On:** Press and hold the Power button (refer to Figure 2.2) for a few seconds until the display screen illuminates.

5. OPERATING INSTRUCTIONS

Once the device is powered on, you can begin your inspection.

5.1 Basic Operation

- **Power On/Off:** Press and hold the Power button to turn the device on or off.
- **Navigation:** Use the up/down arrow buttons to navigate through menu options (if applicable).
- **Confirm Selection:** Press the 'OK' button to confirm a selection or take a photo/record video (depending on the mode).
- **Image Rotation:** Press the 180-degree rotation button to flip the image on the screen, which is useful when the probe is in an inverted position.

5.2 Using the Lens Probe

Gently insert the 8mm diameter lens probe into the area you wish to inspect. The IP67 rating ensures the lens is waterproof, allowing for inspection in wet environments or underwater. The integrated assist light provides illumination in dark spaces.



Figure 5.1: The endoscope camera being used for plumbing inspection, demonstrating its utility in confined spaces.



Figure 5.2: Examples of common applications for the endoscope camera, such as inspecting automotive engines, household appliances, and plumbing.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your endoscope camera.

- **Cleaning:** After each use, especially in dirty or wet environments, gently wipe the lens probe with a soft, damp cloth. For the main unit, use a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the lens probe is coiled loosely and not sharply bent.
- **Battery Care:** To maintain battery health, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to approximately 50% every few months.

7. TROUBLESHOOTING

If you encounter issues with your endoscope camera, refer to the following common problems and solutions:

Problem	Solution
"No Signal" on screen	Ensure the lens probe is securely connected to the main unit. Power off and restart the device.
Device does not power on	Check battery level. Connect the device to a charger using the USB Type-C cable. If the issue persists, the battery may be fully depleted or faulty.
Image is blurry or dark	Clean the lens tip. Ensure the assist light is on if operating in a dark environment. Adjust the distance between the lens and the object.
Buttons are unresponsive	Try restarting the device. If unresponsive, allow the battery to fully discharge and then recharge before attempting to power on again.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may visit the Walfront store on Amazon: [Walfront Store](#)