

WIFI ENDOSCOPE

91648



Read this manual in full before using this product and retain it for future use. Always use the latest version of the manual. Please visit drapertools.com/manuals for the latest version.

1. Intended Use

This product is designed for viewing inside wall cavities, piping and other tight spaces and for close inspection of engines and other obscured machine parts. Images and video are transmitted wirelessly via Wi-Fi connection to an app on your iOS or Android device and can be saved to local storage.

Any other application will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Important: The focal length of this device is 40–100mm. It is not suitable for use as surveillance equipment or to monitor large areas.

Important: Strictly not for medical use.

2. Specification

Stock No.	91648
Part No.	WIFIENDO
Camera size	Ø8mm
Resolution	2MP (640x480, 1280x720)
Focal length	40–100mm
Light	6 x adjustable LEDs
Mirror angle (accessory)	70°
Cable length	3.5m
Max. wireless range	30m
Wireless frequency	2.4GHz
Battery	800mA rechargeable
Battery life (full charge)	Up to 90mins (approx.)
Compatible operating system	iOS, Android
IP rating	IP67 (camera and cable only)

3. Health and Safety Information

- Always ensure that the cables are connected to the correct ports of the battery pack; **DO NOT** apply a power supply to the video input port.
- If condensation has formed inside the camera lens, **DO NOT** use the camera until the moisture has fully evaporated.
- While the camera elements are rated IP67 and are suitable for use underwater or in dusty environments, the Wi-Fi unit and brightness control should not be exposed to liquids or heavy dust.
- DO NOT** handle the battery pack with wet hands.
- DO NOT** direct the LED lamp at your own or another person's eyes.
- DO NOT** open or damage the battery pack or expose it to high temperatures.
- Store the product in a cool, clean and dry environment, out of direct sunlight and out of reach of children.
- Strictly **NOT** for medical use.

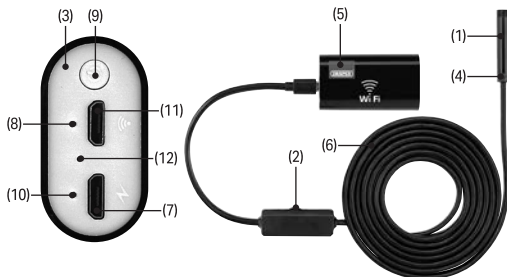
4. Identification

4.1 Product Overview

- (1) 8mm camera
- (2) Brightness control wheel
- (3) Device interface
- (4) Extension socket
- (5) Power pack/Wi-Fi unit
- (6) Rigid cable

4.2 Device Interface

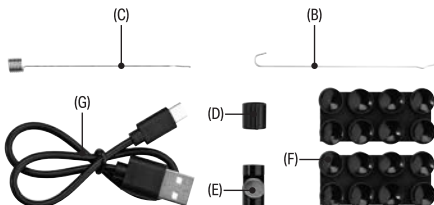
- (7) Charging port
- (8) Connection indicator (green)
- (9) Power button
- (10) Power indicator (red)
- (11) Video input port
- (12) Reset



4.3 What's in the Box?

Carefully remove the product from the packaging and examine it for signs of damage that may have occurred during shipment. Check them against the parts shown below; if any part is damaged or missing, contact the Draper Tools Helpline.

- (A) 1 x Wi-Fi endoscope (not shown)
- (B) 1 x Hook extension
- (C) 1 x Magnet extension
- (D) 1 x Fixing sleeve
- (E) 1 x Mirror attachment
- (F) 2 x Suction pads
- (G) 1 x USB charging cable



5. Basic Operation Instructions

5.1 Charging the Battery Pack / Wi-Fi Unit

Important: Charge the battery pack for at least two hours before first use. Charge the battery pack periodically during storage to prevent damage to the battery from disuse.

To charge the battery pack, insert the micro-USB adaptor of the supplied USB charging cable (H) into the battery pack charging port (7). Insert the other end of the cable into a suitable socket or adaptor.

The power indicator (10) illuminates red while the product is charging and goes out when it is fully charged.

5.2 Connecting to a Smart Device and Operation

The product requires an app for the camera feed to be viewed. This can be installed on compatible iOS and Android devices.

Important: The app requires a Wi-Fi connection to the endoscope during use. Internet access over Wi-Fi is disabled on the viewing device during this time.

1. Scan the QR code above and select "IOS" or "Google Play", or manually search for the "Wifi Check" app in the Apple App Store or Google Play Store as appropriate, and install it onto the smart device.



2. Insert the camera cable into the video input port (11).
3. Press and hold the power button (9) for approximately three seconds; the power (9) and connection (8) indicators illuminate when the device is switched on. The power indicator identifies that the device is active; the connection indicator identifies that the device is broadcasting a Wi-Fi signal.

Important: If the camera cable is not connected to the Wi-Fi unit, the unit will switch off automatically after two minutes.

4. Access the Wi-Fi settings of your smart device and connect to the network named "Wifi Check-xxxx" where "xxxx" is a variable alphanumeric code.
5. Launch the Wifi Check app on your device and grant the required device permissions. The connection indicator will flash when the endoscope is connected to your smart device and the camera feed is displayed on the screen.
6. Use the buttons in the app to change the resolution of the video feed, flip or rotate the feed, and to capture and browse photos and videos.
7. To switch off the camera, press and hold the power button for three seconds.

Important: This app is developed and managed by a third party and may be changed without warning. Draper Tools is not responsible for changes made to the app. All details are correct the time of publication.

6. Using the Accessories

6.1 The Mirror Attachment

For operations where a front-facing camera is not appropriate, the mirror attachment (E) can be installed onto the end of the camera head to change the viewing angle.

To install the mirror attachment, carefully screw it onto the threaded end of the camera.

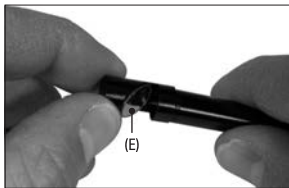


Fig. 1

Important: DO NOT force the mirror onto the camera and take care not to damage the threads.

Important: Ensure that the protective film has been removed from the mirror attachment before use.

5.3 Notes on Use

- The object must be within 40–100mm of the camera lens to appear in focus; if the subject is blurry, the camera may be too close or too far from the object.
- This product is suitable for examining small objects and recesses only and cannot be used for surveillance or medical purposes.
- To adjust the brightness of the LEDs, adjust the brightness control wheel (2).
- If the Wi-Fi connection to the camera is interrupted, your smart device may automatically connect to other Wi-Fi networks.
 - If this occurs, the device must be manually reconnected to the product network.
 - Draper Tools recommends "forgetting" all other nearby networks on your smart device before using this product to ensure that the device reconnects to the product automatically if signal is interrupted.
- Device connectivity may be adversely affected by significant traffic or interference from other Wi-Fi networks.
- The product app is compatible with most iOS and Android devices but may not work with every device.
- This product **MUST** be used in accordance with local regulations.

6.2 The Hook and Magnet Extensions

The hook (B) and magnet (C) extensions can be attached to the camera head to move or retrieve damaged or obstructive objects in the path of the camera.

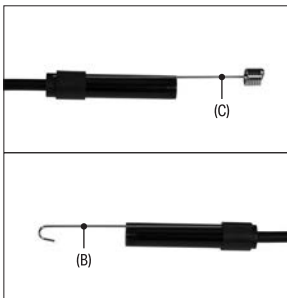


Fig. 2

To attach an extension:

1. Insert the clawed end of the extension into the extension socket (4).

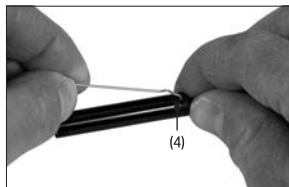


Fig. 3

2. Hold the shaft of the extension piece up against the camera body and slide the fixing sleeve over the tool end of the extension.

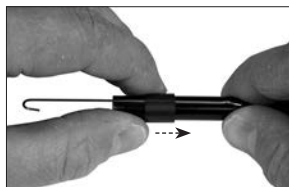


Fig. 4

3. Locate the extension shaft in the groove of the fixing sleeve and slide the sleeve onto the camera as far as possible to lock the extension in place.
4. To remove the extension, slide the fixing sleeve off the camera and detach the tool.

Important: If the hook or magnet extensions are combined with the mirror attachment, the extension must be installed first.

6.3 The Suction Pads

For convenience, the smart device, Wi-Fi unit (5) and brightness control box (2) can be fixed to a wall or other surface, or to each other, using the suction pads (G).

To attach the suction pads, remove the protective strip and press the adhesive side firmly against the part to be attached. Once attached, press the suction pad against the surface to fix the part in place.

7. Disposal

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide recycling facilities.
- **DO NOT** burn or mutilate batteries; this may release toxic or corrosive substances.



8. Warranty

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Proof of purchase must be provided.

If, upon inspection, it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty covers parts and labour for the lifetime of the product. However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

This warranty does not apply to any consumable parts, batteries or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any person other than the authorised Draper Tools repair agent.

Visit drapertools.com/warranty for full details.

9. Explanation of Symbols



Read the instruction manual



Image resolution



Captures images and video



WEEE – Waste Electrical & Electronic Equipment
Do not dispose of Waste Electrical & Electronic Equipment in with domestic rubbish



Compatible with most iOS devices



Compatible with most Android devices



This product is IP67 rated



Do not incinerate or throw onto fire



Features LED worklight



European conformity



Semi-rigid cable length



UK Conformity Assessed