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### DEPSTECH WF028-SJ

# DEPSTECH WF028-SJ Dual Lens Wireless Endoscope User Manual

Model: WF028-SJ | Brand: DEPSTECH

## INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your DEPSTECH WF028-SJ Dual Lens Wireless Endoscope. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

## PRODUCT OVERVIEW AND FEATURES

The DEPSTECH WF028-SJ is a high-definition wireless endoscope designed for inspecting hard-to-reach areas. It features dual lenses, adjustable LED lighting, and a flexible semi-rigid cable for versatile applications.

### 1080P Dual Lens with Split Screen

The endoscope is equipped with two 1080P cameras, allowing for inspection of areas from both front and side perspectives. The split-screen feature enables simultaneous viewing of both camera feeds on your mobile device. The front camera has a focal range of 3-8cm (1.2-3.1in), and the side camera has a focal range of 2-6cm (0.8-2.4in).

### 3 Viewing Modes



*Illustration of the dual lens system and split-screen viewing capability.*

### Flexible Semi-Rigid Snake Cable

The 16.5ft (5m) semi-rigid cable can be bent and held to the desired shape, providing flexibility for navigating complex spaces while maintaining stability for precise observation. The 7.9mm (0.31in) probe lens can access narrow and deep inspection areas.



*Comparison of the semi-rigid cable's flexibility and shape retention.*

### IP67 Waterproof Probe with Adjustable LED Lights

The endoscope probe is IP67 waterproof, making it

suitable for use in wet or submerged environments. Seven adjustable LED lights are integrated into the probe tip, providing illumination for clear visibility in dark or dimly lit inspection areas. The brightness can be adjusted to prevent overexposure.



### 7 Adjustable Led Lights



*The waterproof probe with adjustable LED lights for dark environments.*

## Helpful Attachments

The package includes a hook and a magnet attachment that can be affixed to the endoscope probe. These accessories enhance the utility of the device for retrieving small objects or navigating specific inspection scenarios.



*The hook and magnet attachments for extended functionality.*

## PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- WiFi Endoscope (with integrated cable and probe)
- User Manual
- Accessory Storage Case
- Reset Snap Pins
- Hook Attachment

- Magnet Attachment
- USB to Micro USB Cable
- Package Box



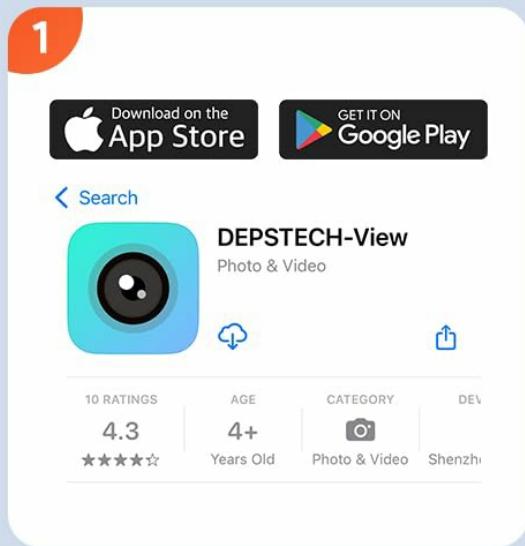
Contents of the DEPSTECH WF028-SJ endoscope package.

## SETUP GUIDE

Follow these steps to set up your DEPSTECH WF028-SJ endoscope:

1. **Download the App:** Search for "DEPSTECH-View" on the Apple App Store (for iOS devices) or Google Play Store (for Android devices) and install the application.
2. **Turn on the WiFi Box:** Locate the power button on the WiFi transmission box and press it to turn on the device. The indicator lights will illuminate.
3. **Connect to WiFi:** On your mobile device, go to your WiFi settings. Find the network named "DEPSTECH\_XXXXXX" (where XXXXXX is a unique identifier) and connect to it. The default password is "12345678".
4. **Open the App:** Once connected to the endoscope's WiFi network, open the "DEPSTECH-View" application. The live video feed from the endoscope should appear.

# Connection Method



Download the App "DEPSTECH-View" from Google Play or App Store.



Turn on the WiFi box.



Connect to WiFi 'DEPSTECH\_\*\*\*\*\*' with password '12345678' in your WiFi settings.



Open the app.

*Visual guide for connecting the endoscope to your mobile device.*

**Compatibility:** The DEPSTECH WF028-SJ is compatible with iOS devices (iOS 9+) and Android devices (Android 7.0+). It does not support PC connections.



DS520 DL

*Device compatibility overview.*

## OPERATING INSTRUCTIONS

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Once connected, you can begin using your endoscope for inspection:

### Viewing Modes

The DEPSTECH-View app allows you to switch between three viewing modes:

- **Front View:** Displays the feed from the primary front-facing camera.
- **Side View:** Displays the feed from the secondary side-facing camera.
- **Split Screen (Dual View):** Shows both front and side camera feeds simultaneously on a split screen, providing a comprehensive view of the inspection area.

You can switch between these modes with a single click within the mobile application. The app also allows for zooming to manually scale the interface for real-time viewing.



## Bluart 2.0

Exclusive camera with latest view sensor Bluart Tech ,  
Capturing the best image for you in dark or bright environment.

*Understanding the different viewing modes available.*

### Adjusting LED Lights

The endoscope features 7 adjustable LED lights. Use the roller on the WiFi box to control the brightness of these lights. Adjusting the brightness is crucial for optimal image clarity, especially in varying lighting conditions or when dealing with reflective surfaces.



*Location of LED brightness controls on the WiFi box.*

## Using Attachments

The included hook and magnet attachments can be screwed onto the end of the endoscope probe. These are useful for retrieving dropped items in tight spaces or for manipulating objects during inspection.

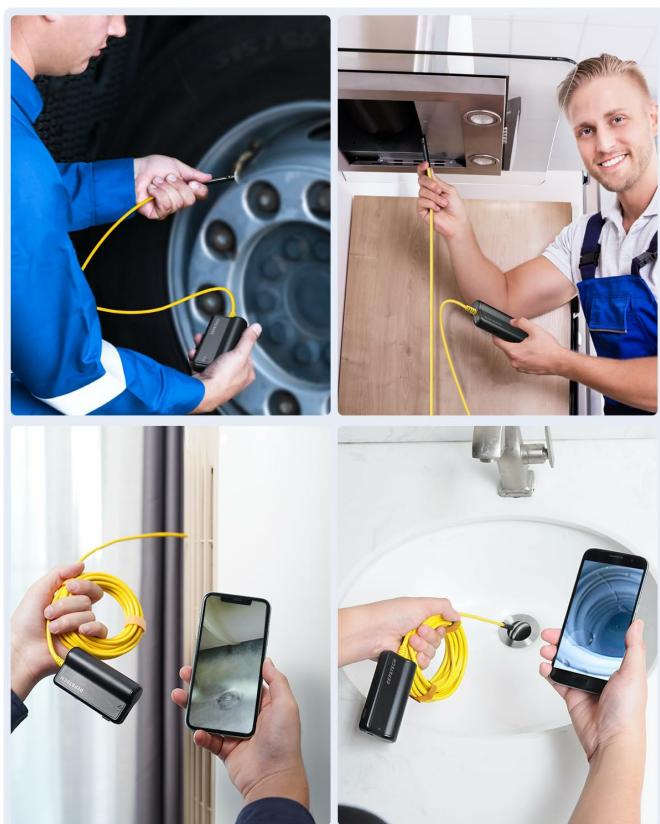


*Attaching the hook and magnet accessories.*

## Typical Applications

The DEPSTECH WF028-SJ endoscope is suitable for a wide range of inspection projects, including but not limited to:

- Plumbing inspection (checking for leaks, rust, blockages)
- Machinery inspection
- Automobile repair and diagnostics
- Electrical diagnostics
- Inspecting hard-to-reach areas in homes or industrial settings (e.g., HVAC ducts, wall cavities, engine bays)



Examples of endoscope use in automotive, home, and plumbing inspections.



Inspecting an engine bay with the endoscope.



Using the endoscope for HVAC system inspection.



Inspecting a kitchen range hood vent.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your endoscope:

- **Cleaning:** After each use, especially in dirty or wet environments, gently wipe the probe and cable with a soft, damp cloth. For stubborn grime, a mild detergent can be used, followed by a clean water rinse. Ensure the probe tip is clean for clear images.
- **Drying:** Always ensure the endoscope probe and cable are completely dry before storage, especially after being used in wet conditions.
- **Storage:** Store the endoscope in its original accessory storage case in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid kinking or sharply bending the cable during storage.
- **Battery Care:** If the device will not be used for an extended period, it is recommended to charge the battery periodically to maintain its health.

## TROUBLESHOOTING

If you encounter issues with your DEPSTECH WF028-SJ endoscope, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on screen / App not connecting	<ul style="list-style-type: none"> <li>WiFi box is off or low battery.</li> <li>Not connected to the correct WiFi network.</li> <li>Incorrect WiFi password.</li> <li>App permissions not granted.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure WiFi box is charged and powered on.</li> <li>Verify connection to "DEPSTECH_XXXXXX" network.</li> <li>Enter default password "12345678".</li> <li>Check app permissions (camera, local network access) in your phone settings.</li> </ul>
Image is blurry or dark	<ul style="list-style-type: none"> <li>Lens is dirty.</li> <li>Insufficient LED light brightness.</li> <li>Object is outside focal range.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the camera lens gently.</li> <li>Adjust LED brightness using the roller on the WiFi box.</li> <li>Move the probe closer or further from the object to be within the focal range (Front: 3-8cm, Side: 2-6cm).</li> </ul>
"Lens pull out" error (as reported by some users)	<ul style="list-style-type: none"> <li>Hardware error.</li> </ul>	<ul style="list-style-type: none"> <li>If this error persists after restarting the device and app, it indicates a hardware issue. Please contact DEPSTECH customer support for assistance.</li> </ul>

For further assistance, please refer to the official [User Manual \(PDF\)](#) or contact DEPSTECH customer support.

## SPECIFICATIONS

Feature	Detail
Model Number	WF028-SJ
Video Capture Resolution	1080p
Lens Diameter	7.9mm / 0.31in
Cable Length	16.5FT (approx. 5 meters)
Front Camera Focal Range	3-8cm / 1.2-3.1in
Side Camera Focal Range	2-6cm / 0.8-2.4in
Waterproof Rating	IP67 (probe only)
LED Lights	7 adjustable LEDs
Battery	1 Lithium Ion battery (included)
Connectivity	WiFi (for Android & iOS Phone or Tablet)
Color	Bright Yellow
Package Dimensions	6.42 x 6.22 x 1.97 inches
Item Weight	1.01 Pounds

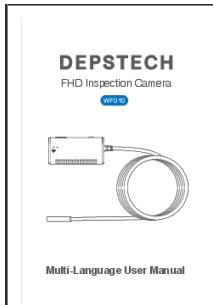
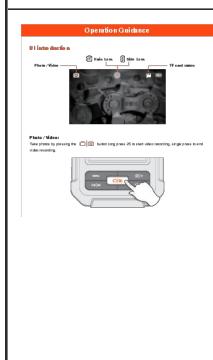
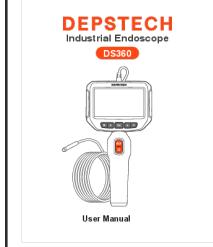
## WARRANTY AND SUPPORT

DEPSTECH provides customer support for their products. For any questions, technical assistance, or warranty claims, please refer to the official user manual or contact DEPSTECH directly.

Official User Manual (PDF): [Download Here](#)

Contact information for DEPSTECH support can typically be found on their official website or within the product packaging.

## Related Documents

 <p>DEPSTECH FHD Inspection Camera WF010 Multi-Language User Manual</p>	<p><a href="#">DEPSTECH WF010 FHD Inspection Camera User Manual</a></p> <p>Comprehensive user manual for the DEPSTECH WF010 FHD Inspection Camera, covering product structure, app downloading and connection, device operation, app features, charging guide, accessory installation, technical parameters, frequently asked questions, and safety information.</p>
 <p>Operation Guidance 1. Lens switch 2. Power 3. Screen 4. TF card slot Photo / Video Take photo by pressing the C button Take video by pressing the C button Select long press C to start recording, long press and hold C to stop recording</p>	<p><a href="#">DEPSTECH DS350DL Dual Lens Endoscope Operation Guide</a></p> <p>Comprehensive guide to operating the DEPSTECH DS350DL Dual Lens Endoscope, covering photo/video capture, viewing, deletion, screen rotation, lens switching, TF card formatting, and file transfer.</p>
 <p>DEPSTECH Industrial Endoscope DS360 User Manual</p>	<p><a href="#">DEPSTECH DS360 Industrial Endoscope User Manual</a></p> <p>User manual for the DEPSTECH DS360 Industrial Endoscope, detailing product features, introduction, UI, language settings, photo/video operations, lens switching, TF card formatting, data transfer, charging, and specifications.</p>
 <p>Operation Guidance 1. Lens switch 2. Power 3. Screen 4. TF card slot Photo / Video Take photo by pressing the C button Take video by pressing the C button Select long press C to start recording, long press and hold C to stop recording</p>	<p><a href="#">DEPSTECH DS300 Dual Lens Endoscope Operation Guidance</a></p> <p>User guide for the DEPSTECH DS300 Dual Lens Industrial Endoscope, covering UI introduction, photo/video operations, file management, screen rotation, lens switching, TF card formatting, and accessory installation.</p>