

DEPSTECH DS620

DEPSTECH DS620 Endoscope Camera User Manual

Model: DS620

1. INTRODUCTION

Thank you for choosing the DEPSTECH DS620 Endoscope Camera. This manual provides essential information for the safe and effective operation, setup, and maintenance of your device. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

- DEPSTECH DS620 Endoscope Camera with 5-inch IPS Screen
- 5-meter Camera Cable with Dual Lens Probe
- USB Charging Cable
- Accessory Kit (Hook, Magnet, Side Mirror)
- User Manual



Image 2.1: Contents included in the DEPSTECH DS620 Endoscope Camera package.

2.2 Device Components

The DEPSTECH DS620 features a main display unit connected to a flexible camera cable. Key components include:

- **5-inch IPS Display:** High-resolution screen for clear viewing.
- **Control Buttons:** For power, menu navigation, photo/video capture, and LED brightness adjustment.
- **Camera Probe:** 8mm diameter dual-lens camera with integrated LED lights.
- **Flexible Cable:** 5-meter length for reaching confined spaces.
- **USB Port:** For charging the device.
- **Micro SD Card Slot:** For storage of captured images and videos (Micro SD card not included).



Image 2.2: Overview of the DEPSTECH DS620 Endoscope Camera, showing the display unit and camera cable.

3. KEY FEATURES

- **Dual Camera System:** Equipped with both a front-facing camera (focal range 3-10 cm) and a side-facing camera (focal range 2-6 cm) for comprehensive inspection from multiple angles. The main camera has an 8mm diameter.

1080P HD Dual Lens

Upgrade your inspection capabilities



Front Camera

3-10cm(1.18-3.93in)



Side Camera

2-6 cm (0.79-2.36in)



Image 3.1: Illustration of the dual-lens system with front and side cameras.

- **1080p HD Resolution with Bluart 3.0:** The endoscope captures clear images and videos with 2.0 MP effective resolution, enhanced by DEPSTECH's Bluart 3.0 technology for improved image clarity, processing speed, and low-light performance.



Image 3.2: Visual representation of Bluart 3.0 technology enhancing image quality.

- **5-inch IPS Display:** Features a large, vibrant 5-inch IPS screen, offering a wider viewing angle and more accurate color reproduction compared to standard LCD screens, facilitating detailed real-time inspection.



Image 3.3: The 5-inch IPS display, highlighting its clarity and color advantages.

- **IP67 Waterproof Probe:** The camera probe is rated IP67 waterproof, allowing it to be used in wet and dusty environments without damage. It includes 6 adjustable LED lights for illumination in dark areas.



Image 3.4: The IP67 waterproof camera probe with adjustable LED lights.

- **Ready-to-Use Design:** The device operates independently without requiring a smartphone, internet connection, or software downloads. Simply charge and power on to begin inspections.



Image 3.5: A user operating the endoscope camera, demonstrating its ready-to-use functionality.

4. SETUP GUIDE

4.1 Charging the Device

1. Connect the provided USB charging cable to the device's USB port.
2. Plug the other end of the USB cable into a standard 5V/1A USB power adapter (not included) or a computer's USB port.
3. The charging indicator light will illuminate. Allow the device to charge fully before first use.

4.2 Inserting a Micro SD Card

A Micro SD card is required to save photos and videos. It is not included in the package.

1. Locate the Micro SD card slot on the side of the device.
2. Gently insert a Micro SD card (up to 32GB, Class 10 recommended) into the slot until it clicks into place. Ensure the card is inserted in the correct orientation.
3. To remove, push the card gently inward until it springs out.

4.3 Attaching Accessories

The accessory kit includes a hook, magnet, and side mirror. These can be attached to the camera probe for specific inspection needs.

1. Carefully slide the desired accessory onto the camera probe tip.
2. Ensure it is securely fastened and does not obstruct the camera lens or LED lights.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Press and hold the Power button (usually marked with an 'OK' or power symbol) for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the Power button again until the screen turns off.

5.2 Navigating the Menu

- Use the directional buttons (Up, Down, Left, Right) to navigate through menu options.
- Press the 'OK' button to confirm a selection.
- Press the 'Return' or 'Menu' button to go back to the previous screen or exit the menu.

5.3 Switching Cameras

The DS620 features a dual-lens system. You can switch between the front and side cameras:

- While in live view, press the camera switch button (often indicated by a camera icon with an arrow or 'M' for mode) to toggle between the front camera, side camera, or both (if supported).

5.4 Adjusting LED Brightness

The camera probe has integrated LED lights to illuminate dark inspection areas.

- In live view, use the LED brightness adjustment buttons (often marked with '+' and '-' or up/down arrows) to increase or decrease the light intensity.

5.5 Capturing Photos and Videos

- **To take a photo:** Press the Photo button (usually a camera icon) once. The image will be saved to the Micro SD card.
- **To record a video:** Press the Video button (usually a video camera icon) once to start recording. Press it again to stop recording. The video will be saved to the Micro SD card.

5.6 Viewing and Managing Media

- Enter the Playback mode from the main menu.
- Use the directional buttons to browse through your saved photos and videos.
- You can delete files or view details from the playback menu options.

6. CARE AND MAINTENANCE

6.1 Cleaning the Probe and Screen

- After each use, especially in dirty or wet environments, gently wipe the camera probe with a soft, damp cloth.

- For the display screen, use a soft, dry, lint-free cloth. Avoid abrasive cleaners or solvents.
- Ensure the probe is dry before storing.

6.2 Storage

- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep the camera cable neatly coiled to prevent kinks or damage.
- If storing for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan.

7. TROUBLESHOOTING

Issue	Possible Cause	Solution
Device does not power on	Low battery; device malfunction	Charge the device fully. If issue persists, contact customer support.
No image on screen	Camera cable not connected properly; camera damaged	Ensure camera cable is securely connected. Restart the device. If issue persists, contact customer support.
LED lights not working	LED brightness set to minimum; LED malfunction	Increase LED brightness using the dedicated buttons. If still not working, contact customer support.
Cannot save photos/videos	No Micro SD card inserted; Micro SD card full or corrupted	Insert a Micro SD card. Check if the card has sufficient space. Format the card (this will erase all data). Try a different Micro SD card.
Poor image quality	Lens dirty; insufficient lighting; object too close/far	Clean the camera lens. Adjust LED brightness. Ensure object is within the camera's focal range (3-10 cm for front, 2-6 cm for side).

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	DS620
Display Screen	5-inch IPS LCD
Camera Diameter	8 mm
Camera Type	Dual Lens (Front & Side)
Cable Length	5 meters
Effective Fixed Resolution	2.07 Megapixels (1080p HD)
Front Camera Focal Length	3 - 10 cm

Feature	Specification
Side Camera Focal Length	2 - 6 cm
Waterproof Rating	IP67 (Camera Probe)
Illumination	6 Adjustable LED Lights
Battery Type	Lithium-ion
Storage	Micro SD Card (up to 32GB, not included)
Weight	680 Grams

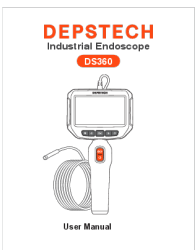
9. SAFETY INFORMATION

- Do not use the device in environments with flammable or explosive gases.
- Keep the device away from strong electromagnetic fields.
- Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage.
- Avoid exposing the main unit to water or excessive moisture. Only the camera probe is waterproof.
- Keep out of reach of children.
- Use only the provided charging cable or a compatible 5V/1A adapter.
- Dispose of the device and its battery according to local regulations.

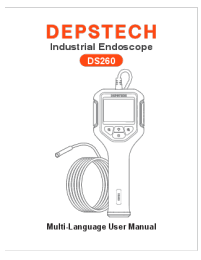


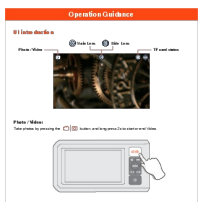

10. WARRANTY AND CUSTOMER SUPPORT

DEPSTECH products typically come with a standard warranty. For specific warranty details, registration, or technical assistance, please refer to the warranty card included in your package or visit the official DEPSTECH website. If you encounter any issues not covered in this manual, please contact DEPSTECH customer support for further assistance.

Related Documents - DS620



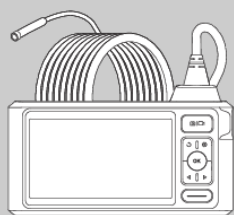
[DEPSTECH DS360 Industrial Endoscope User Manual](#)
User manual for the DEPSTECH DS360 Industrial Endoscope, detailing product features, introduction, UI, language settings, photo/video operations, lens switching, TF card formatting, data transfer, charging, and specifications.

	<p>DEPSTECH DS260 Industrial Endoscope User Manual</p> <p>User manual for the DEPSTECH DS260 Industrial Endoscope, covering features, specifications, safety, charging, and accessory installation. Includes multi-language support.</p>
	<p>DEPSTECH DS520 Industrial Endoscope User Manual</p> <p>Comprehensive user manual for the DEPSTECH DS520 industrial endoscope, detailing features, operation, specifications, and troubleshooting for effective visual inspection in industrial and mechanical applications.</p>
	<p>DEPSTECH DS550 Industrial Endoscope User Manual</p> <p>Comprehensive user manual for the DEPSTECH DS550 Industrial Endoscope. This guide covers product features, operation, button functions, port descriptions, UI elements, language settings, photo/video management, data transfer, charging, installation, detailed specifications, packing list, and compliance information for this 5.0MP, 5-inch IPS screen, waterproof dual-lens inspection camera.</p>
	<p>DEPSTECH DS300 Dual Lens Endoscope Operation Guidance</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>
	<p>DEPSTECH Dual Lens Inspection Camera User Manual - Features & Operation</p> <p>Detailed user manual for the DEPSTECH Dual Lens Inspection Camera, featuring a 5-inch IPS screen, 7.9mm HD borescope, LED lights, 32GB storage, and a 5000mAh battery. Learn about its operation, features, and specifications for various inspection tasks.</p>

DEPSTECH

Industrial Endoscope

DS620



Multi-Language User Manual

[DEPSTECH DS620 Industrial Endoscope User Manual](#)

User manual for the DEPSTECH DS620 Industrial Endoscope, detailing its features, operation, and specifications. Includes multi-language support.

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