DEPSTECH DS620

DEPSTECH DS620 Dual Lens Industrial Endoscope User Manual

Model: DS620

1. Introduction

The DEPSTECH DS620 Dual Lens Industrial Endoscope is a versatile inspection tool designed for examining hard-to-reach areas. Featuring a 1080P dual-lens camera, a 5-inch IPS monitor, and a 5-meter semi-rigid IP67 waterproof cable, it provides clear visuals for various inspection tasks. This manual provides essential information for the safe and effective use of your endoscope.

2. Safety Information

- Do not immerse the monitor unit in water. Only the camera cable is IP67 waterproof.
- Keep the device away from extreme temperatures, direct sunlight, and corrosive liquids.
- Do not use the device in environments with flammable or explosive gases.
- Ensure the device is fully charged before use to avoid interruptions during inspection.
- Avoid bending the camera cable excessively or with sharp angles to prevent damage.
- Keep out of reach of children.

3. Package Contents

Verify that all items are present in your package:

- DEPSTECH DS620 Industrial Endoscope Unit
- 5-meter Semi-Rigid Camera Cable with Dual Lens
- USB Charging Cable
- Accessory Kit (Hook, Magnet, Side Mirror)

- Drawstring Storage Bag
- User Manual



Image: DEPSTECH DS620 Endoscope unit, camera cable, USB cable, accessory kit, drawstring bag, and user manual.

4. Product Overview

The DEPSTECH DS620 features a main monitor unit with intuitive controls and a flexible camera probe. The camera probe is equipped with both a front-facing and a side-facing lens, allowing for comprehensive inspections.



Image: The DEPSTECH DS620 Endoscope showing the 5-inch IPS monitor, control buttons, and the dual-lens camera probe.

4.1. Main Components

- **5-inch IPS Monitor:** Provides a clear, real-time view of the inspection area.
- **Control Buttons:** For power, camera switching, LED brightness adjustment, screen rotation, and menu navigation.
- **Camera Probe:** A 5-meter semi-rigid cable with a 7.9mm diameter dual-lens camera head.
- **LED Lights:** Integrated into the camera head for illumination in dark environments.
- **SD Card Slot:** For inserting a MicroSD card (not included) to save photos and videos.

5. Setup

5.1. Charging the Device

Before first use, fully charge the endoscope unit using the provided USB charging cable and a standard 5V/1A USB power adapter (not included). The charging indicator will show the charging status.

5.2. Inserting an SD Card

To save photos and videos, insert a MicroSD card (Class 10, 32GB-128GB recommended, not included) into the SD card slot on the side of the monitor unit. Ensure the card is inserted correctly until it clicks into place.

5.3. Attaching Accessories

The accessory kit includes a hook, magnet, and side mirror. These can be screwed onto the tip of the camera head for specific tasks, such as retrieving small objects or viewing at a 90-degree angle (though the side camera often negates the need for a side mirror attachment).



Image: The camera head with various attachments like a hook and magnet for specialized tasks.

6. Operating Instructions

6.1. Power On/Off

Press and hold the power button (usually marked with a power symbol) for a few seconds to turn the device on or off.

6.2. Adjusting LED Brightness

The camera head features multiple LED lights. Press the LED brightness button (often indicated by a light bulb icon) to cycle through 3 levels of brightness or turn the lights off. This helps illuminate dark inspection areas.



Image: The endoscope camera head with its bright LED lights illuminating a dark area, highlighting its capability for detailed inspection.

6.3. Switching Between Front and Side Cameras

The DS620 is equipped with a dual-lens system. Press the camera switch button (often labeled with a camera icon or 'M') to toggle between the front-facing camera and the side-facing camera. This allows for different viewing angles without repositioning the probe.



Image: A close-up of the dual-lens camera head, showing both the front and side lenses for versatile inspection.

6.4. Rotating the Screen

To adjust the orientation of the image on the monitor, press the screen rotation button (often indicated by a circular arrow). The image can be rotated 180 degrees for optimal viewing.

6.5. Capturing Photos and Videos

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

6.6. Viewing Media

Enter playback mode by pressing the playback button (often a play icon). Use the navigation buttons to browse

through your captured photos and videos. Press the playback button again to exit playback mode.

6.7. Connecting to a PC

To transfer files, connect the endoscope unit to a computer using the USB charging cable. The device will appear as a removable storage device, allowing you to access the contents of the MicroSD card.

7. Maintenance

7.1. Cleaning the Camera Lens and Cable

After each use, gently wipe the camera lens with a soft, dry cloth to remove any debris or moisture. The waterproof camera cable can be cleaned with a damp cloth. Ensure the cable is dry before storage.

7.2. Storage

Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided drawstring bag to protect the device from dust and scratches.

7.3. Battery Care

To prolong battery life, avoid fully discharging the device frequently. If storing for an extended period, charge the battery to approximately 50% every three months.



Image: An illustration showing the internal battery of the endoscope, emphasizing its durable design for extended use.

8. Troubleshooting

- **Device does not power on:** Ensure the battery is charged. Connect to a power source and try again.
- **No image on screen:** Check if the camera cable is securely connected to the monitor unit.
- **Image is blurry or dark:** Adjust the LED brightness. Clean the camera lens. Ensure the object is within the camera's focal range (3-10 cm for front, 2-6 cm for side).
- **Cannot save photos/videos:** Ensure a compatible MicroSD card is inserted correctly and has sufficient free space. Format the SD card if necessary (refer to device settings).
- **Device freezes:** Press and hold the power button for 10 seconds to force a restart.

9. Specifications

Feature	Specification
Model	DS620
Brand	DEPSTECH
Camera Resolution	1080P (1920x1080)
Image Sensor	CMOS
Monitor Size	5-inch IPS
Camera Diameter	7.9mm
Cable Length	5 meters
Cable Type	Semi-Rigid
Waterproof Rating	IP67 (for camera cable only)
LED Lights	8 (front), 1 (side), 3-level adjustable
Battery Life	Approx. 3 hours (continuous operation)
Storage	MicroSD card (32GB-128GB, not included)
Video Format	MOV, AVI, MP4
Photo Format	JPEG, RAW



Image: The semi-rigid, IP67 waterproof cable, designed for durability and flexibility in various inspection environments.

10. Warranty

This DEPSTECH DS620 Industrial Endoscope comes with a**2-year seller warranty** from the date of purchase. Please retain your purchase receipt or order number as proof of purchase for warranty claims. The warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

11. Support

For technical assistance, troubleshooting, or warranty inquiries, please contact DEPSTECH customer support:

- **Email:** support@depstech.com

Our support team aims to respond to inquiries within 24 hours (excluding weekends and public holidays).

Ask a question about this manual

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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