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DEPSTECH DS320DL-5MM

DEPSTECH DS320 Dual Lens Borescope Camera User Manual

Model: DS320DL-5MM

1. INTRODUCTION

The DEPSTECH DS320 Dual Lens Borescope Camera is an advanced inspection tool designed for examining hard-to-reach areas. It features a 4.3-inch IPS screen for clear viewing, dual lenses for versatile inspection angles, IP67 waterproofing for use in wet environments, and a 16.5ft semi-rigid cable for flexible maneuverability. This manual provides essential information for the safe and effective operation and maintenance of your borescope.



Figure 1: DEPSTECH DS320 Dual Lens Borescope Camera.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not use the device in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep the device away from children.
- Do not modify or disassemble the device. Repairs should only be performed by authorized personnel.
- Ensure the camera probe is clean and free from debris before and after use.
- Do not expose the device to extreme temperatures or direct sunlight for prolonged periods.
- The camera probe is IP67 waterproof, but the main unit is not. Avoid immersing the main unit in water.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- DS320 Endoscope with 16.5ft Semi-Rigid Cable
- Accessory Kit (Hook and Magnet)
- Type-C Charging Cable
- User Manual



Figure 2: Package contents including the borescope, cable, and accessories.

4. PRODUCT OVERVIEW

The DEPSTECH DS320 is designed for ease of use and high performance in various inspection scenarios.

4.1. Main Unit Features

- **4.3-inch IPS Screen:** Provides a clear, high-definition display with a 178° viewing angle for real-time inspection footage.

- **Intuitive Controls:** Easy-to-use buttons for navigation, image capture, video recording, and light adjustment.
- **Ergonomic Design:** Comfortable to hold for extended periods during inspections.
- **Long Battery Life:** Equipped with a battery providing approximately 3 hours of continuous operation.



Figure 3: The 4.3-inch IPS color display for clear viewing.

4.2. Camera Probe Features

- **Dual Lens System:** Features a front-facing camera and a side-facing camera, allowing for comprehensive inspection without repositioning the probe.
- **Bluart 3.0 Technology:** Enhances image clarity, processing speed, and low-light performance for sharp and vivid images.
- **IP67 Waterproof:** The camera probe is resistant to water and dust, making it suitable for wet and dirty environments.
- **Adjustable LED Lights:** Seven adjustable LED lights provide optimal illumination in dark areas.
- **16.5ft Semi-Rigid Cable:** Offers flexibility to navigate tight spaces while maintaining its shape for precise positioning.

Dual Lens for Tricky Angles



► **Front Camera A**
1.18 - 3.93 in



► **Side Camera B**
0.79 - 2.36 in

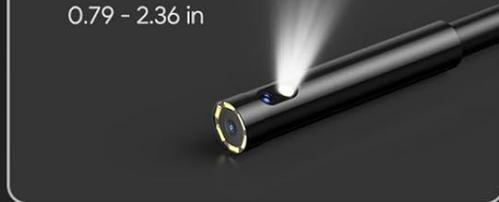


Figure 4: The dual lens system with front and side cameras.



Figure 5: Example of 180° image rotation for easier viewing.

5. SETUP

5.1. Charging the Device

Before first use, fully charge the borescope. Connect the provided Type-C charging cable to the device's charging port and a suitable USB power adapter (not included). The charging indicator will show the charging status.

5.2. Attaching the Probe

The semi-rigid cable is pre-attached to the main unit. Ensure the connection is secure before use.

5.3. Powering 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. The screen will illuminate upon successful power-on.

6. OPERATING INSTRUCTIONS

6.1. Basic Operation

Once powered on, the live feed from the camera will appear on the IPS screen. Use the navigation buttons (up/down/left/right) and the OK button to interact with the menu and settings.

Instant to Go



Figure 6: The borescope ready for immediate use.

6.2. Using Dual Lenses

The DS320 features both a front camera and a side camera. Use the dedicated button (often labeled with a camera icon or 'M' for mode) to switch between the front view, side view, or a split-screen display if available. This allows for comprehensive inspection of an area without needing to rotate the probe.

6.3. Adjusting LED Brightness

The camera probe is equipped with adjustable LED lights. Use the brightness adjustment buttons (often marked with '+' and '-' or arrow icons) on the main unit to increase or decrease the illumination level. This helps in achieving optimal visibility in varying light conditions.

IP67 Waterproof

Worry-free. Just inspect



Figure 7: IP67 waterproof camera head with adjustable LED lights.

6.4. Capturing Photos and Videos

To capture an image, press the photo button (usually a camera icon). To record video, press the video button (usually a video camera icon). Ensure a compatible memory card (not included) is inserted for saving media. The device supports recording in 720p resolution.



Figure 8: Screen interface for capturing photos and recording videos.

6.5. Using Accessories

The accessory kit includes a hook and a magnet. These can be attached to the camera probe to retrieve small objects or to maneuver the probe in difficult areas. Carefully attach them to the camera head as instructed in the accessory guide.



Figure 9: Included hook and magnet accessories.

6.6. Product Video Overview

For a visual guide on the product's features and usage, please watch the official product video below.

Your browser does not support the video tag.

Video 1: Official DEPSTECH Borescope Product Video, demonstrating key features and applications.

7. MAINTENANCE

7.1. Cleaning

After each use, especially in dirty or wet environments, clean the camera probe with a soft, damp cloth. For stubborn dirt, a mild detergent can be used. Ensure the probe is completely dry before storage. Do not use abrasive cleaners or solvents. The main unit should be wiped with a dry cloth.

7.2. Storage

Store the borescope in a cool, dry place, away from direct sunlight and extreme temperatures. Use the original packaging or a protective case to prevent damage to the screen and probe cable.

7.3. Battery Care

To prolong battery life, avoid fully discharging the battery frequently. If storing the device for an extended period, charge it to approximately 50-70% every few months.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device using the provided Type-C cable.
No image on screen.	Camera cable not properly connected or damaged.	Ensure the camera cable is securely connected. If still no image, contact support.
Image is blurry or unclear.	Lens is dirty; insufficient lighting.	Clean the camera lens. Adjust the LED brightness using the controls on the main unit.
Cannot save photos/videos.	No memory card inserted; memory card full or corrupted.	Insert a compatible memory card. Check if the card has sufficient space or try formatting it (this will erase all data).

9. SPECIFICATIONS

Feature	Detail
Model Number	DS320DL-5MM
Display	4.3-inch IPS Screen
Camera Type	Dual Lens (Front & Side)
Waterproof Rating	IP67 (Probe only)
Cable Length	16.5 feet (Semi-Rigid)
Illumination	7 Adjustable LED Lights

Feature	Detail
Image Quality	HD (720p for video recording) with Bluart 3.0 Technology
Battery	1 A battery required (included), approx. 3 hours operating time
Item Weight	1.46 pounds
Package Dimensions	8.31 x 6.5 x 3.07 inches

10. WARRANTY AND SUPPORT

This DEPSTECH product comes with a standard manufacturer's warranty. For detailed warranty information, product support, or technical assistance, please refer to the warranty card included in your package or visit the official DEPSTECH website. You may also contact DEPSTECH customer service directly for assistance.

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