DEPSTECH US DS380DL

DEPSTECH Dual Lens Borescope User Manual

Model: US DS380DL
Brand: DEPSTECH

INTRODUCTION

The DEPSTECH Dual Lens Borescope is a versatile inspection tool designed for examining hard-to-reach areas. Featuring a dual-lens system, a high-resolution display, and adjustable LED lighting, it provides clear visuals for various applications, from automotive maintenance to home inspections.

What's in the Box

- 1x Dual Lens Handheld Endoscope
- 1x 16.5ft Semi-Rigid Cable
- 1x 32GB TF Card (pre-installed)
- 1x Handheld Case
- 1x USB Charging Cable
- 1x Hook Attachment
- 1x Magnet Attachment
- 1x User Manual

Figure 1: DEPSTECH Dual Lens Borescope with its included carrying case and coiled inspection cable.

Setup

1. Initial Charging

Before first use, fully charge the borescope's built-in rechargeable battery using the provided USB charging cable. Connect the USB charging cable to the device's charging port and a compatible USB power source. A full charge typically provides up to 4 hours of operation.

Figure 2: The borescope connected to a power source for charging. The device can be used while charging.

2. Connecting the Inspection Cable

Ensure the inspection cable is securely connected to the main unit. Push the cable connector firmly into the designated port on the borescope until it clicks into place. A loose connection may result in a "No Signal" message or intermittent light functionality.

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Video 1: Demonstration of how to properly connect the detachable inspection cable to ensure the LED light functions correctly. Ensure the cable is fully inserted until it clicks.

3. TF Card Installation (Pre-installed)

The 32GB TF (Micro SD) card is typically pre-installed. If you need to access or replace it, locate the card slot under the silicone cover on the side of the unit. Gently push the card to eject it, or insert a new card until it clicks into place.

OPERATING INSTRUCTIONS

1. Powering On/Off

Press and hold the **POWER** button located on the front panel to turn the device on or off. The 4.3-inch LCD screen will display the DEPSTECH logo upon startup.

Figure 3: The borescope's 4.3-inch LCD screen and control buttons, including the power button.

2. Display Modes and Dual Lens Functionality

The borescope features a dual-lens system, allowing for both front and side views. Use the dedicated button on the control panel to cycle through three observation modes:

- **Front View:** Displays the image from the forward-facing camera.
- **Side View:** Displays the image from the side-facing camera.
- **Split Screen:** Displays both front and side views simultaneously for a comprehensive perspective.

Figure 4: The dual lens system provides both forward and side views, enhancing inspection capabilities.

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Video 2: Overview of the DEPSTECH DS380 borescope, highlighting its compact size, dual lens, and various viewing modes including split screen.

Figure 5: The ultra-small 5.5mm camera head allows access to extremely tight spaces.

3. Adjusting LED Brightness

The borescope is equipped with 7 adjustable LED lights to illuminate dark inspection areas. Use the arrow buttons on the control panel to increase or decrease the brightness level as needed.

Figure 6: The 4.3-inch display offers clear visuals, with icons indicating adjustable brightness and energy efficiency.

4. Capturing Photos and Videos

To capture an image, press the **Photo** button. To record a video, press and hold the **Video** button to start recording, and press it again to stop. All captured media is saved to the installed TF card.

MAINTENANCE

1. Cleaning the Lens and Cable

After each use, especially in dirty or wet environments, gently wipe the camera lens and the inspection cable with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the lens or cable material.

2. Waterproof Rating

The inspection cable and camera head are IP67 waterproof, meaning they can withstand immersion in water up to 1 meter for 30 minutes. However, the main unit (display and controls) is NOT waterproof. Ensure the main unit remains dry at all times.

Figure 7: The IP67 waterproof rating ensures durability of the camera probe in wet conditions.

3. Storage

Store the borescope and its accessories in the provided handheld case when not in use. This protects the device from dust, impacts, and ensures all components are organized and readily available.

TROUBLESHOOTING

"No Signal" on Screen

- Ensure the inspection cable is fully and securely inserted into the main unit's port. Push until you hear a distinct click.
- Check if the device is powered on and the battery has sufficient charge.

LED Lights Not Working

- Verify the inspection cable is fully connected (refer to "Connecting the Inspection Cable" in

Setup).

- Adjust the LED brightness using the arrow buttons on the control panel.

Blurry or Unclear Images

- Clean the camera lens carefully with a soft, lint-free cloth.
- Ensure the object being inspected is within the optimal focal length (typically 2-10 cm for most borescopes).
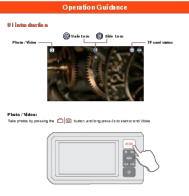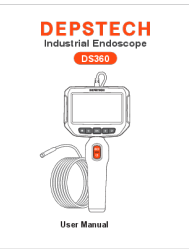
SPECIFICATIONS

Feature	Detail
Model Number	US DS380DL
Camera Diameter	0.21 inches (5.5mm)
Cable Length	16.5 feet
Video Capture Resolution	1080p
Display Screen	4.3 inch LCD
LED Lights	7 adjustable LEDs
Waterproof Rating (Probe)	IP67
Battery Type	1 Lithium Ion (included)
Media Storage	32GB SD Card (included)
Color	Grey
Manufacturer	DEPSTECH

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or further assistance, please refer to the official DEPSTECH User Manual PDF or visit the DEPSTECH official website.

Official User Manual (PDF): Click Here

DEPSTECH Store: Visit Store

Related Documents - US DS380DL

	[DEPSTECH DS300 Dual Lens Endoscope Operation Guidance](#) 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.
	[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.
	[DEPSTECH DS350DL Dual Lens Endoscope Operation Guide](#) 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.
	[DEPSTECH DS520 Industrial Endoscope User Manual](#) Comprehensive user manual for the DEPSTECH DS520 industrial endoscope, detailing features, operation, specifications, and troubleshooting for effective visual inspection in industrial and mechanical applications.
	[DEPSTECH Dual Lens Inspection Camera User Manual - Features & Operation](#) 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.
	[DEPSTECH Borescope: Troubleshooting USB Connection for Signal and Light](#) Learn how to resolve common issues with DEPSTECH borescope cameras, ensuring proper USB connection for signal and lens light functionality. This guide provides visual troubleshooting steps.