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› DEPSTECH Dual Lens Industrial Endoscope DS300 User Manual

DEPSTECH DS300-Black

DEPSTECH Dual Lens Industrial Endoscope DS300 User Manual

Model: DS300-Black | Brand: DEPSTECH

1. INTRODUCTION AND OVERVIEW

The DEPSTECH DS300 Dual Lens Industrial Endoscope is a versatile inspection camera designed for examining hard-to-reach areas. Featuring dual-lens technology, a 4.3-inch LCD screen, and IP67 waterproofing, it provides clear 1080P images and videos for various applications, including plumbing, HVAC, automotive repair, and industrial inspections. Its semi-rigid cable and adjustable LED lights ensure optimal visibility in diverse environments.



Figure 1: DEPSTECH DS300 Endoscope Unit

2. PRODUCT FEATURES

- **Dual-Lens & Split Screen:** The DS300 features dual-lens technology, allowing seamless switching between front and side viewing angles without additional mirrors. A dedicated FOV 70° button provides a wider viewing angle, and three observation modes enhance convenience.



Figure 2: Dual Lens and Split Screen Functionality

- **1080P Color LCD Screen:** Equipped with an upgraded 4.3-inch TFT LCD screen offering a 170° horizontal viewing angle. It captures 2.0 MP crisp pictures and 1080P HD fluent videos.



Figure 3: 4.3-inch LCD Screen

- **Advanced 2nd CMOS Chip & Bluart 2.0 Tech:** The borescope utilizes a 2nd CMOS chip for higher recording frame rates, eliminating picture delay. Adjustable 7 LED lights with Bluart 2.0 technology ensure clear images in dark conditions.

BLUART2.0 & REAL 1080P

1080P dual lens with the newest Bluart 2.0 sensor tech , captures the clearest image for you regardless of dark or bright environment.

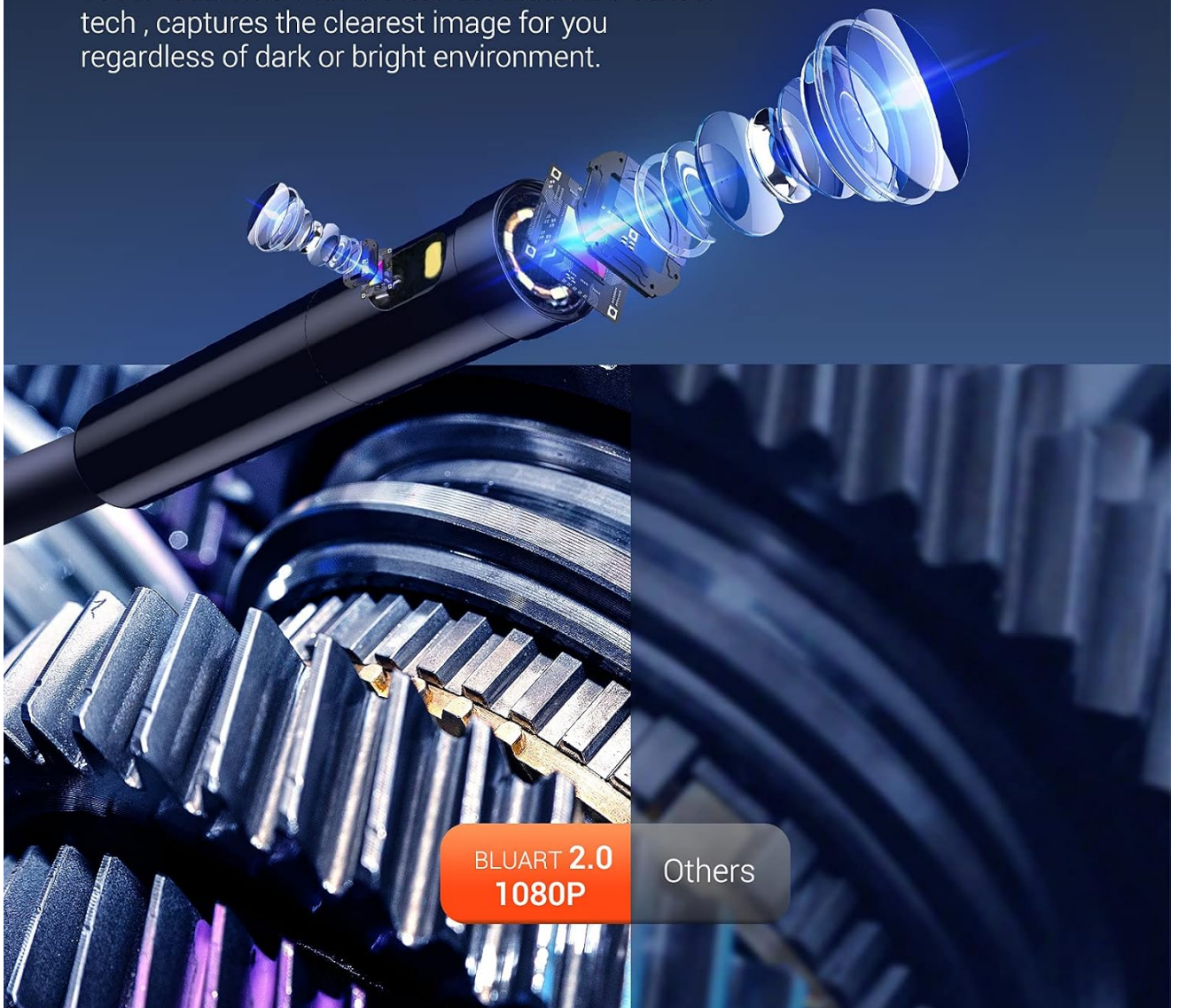


Figure 4: Bluart 2.0 Technology for Enhanced Clarity

- **Durable & Waterproof Probe:** Features a 16.5FT semi-rigid cable with a 7.9mm IP67 waterproof camera probe. The cable can be bent and hold its shape for accessing narrow spaces.

IP67 WATERPROOF

6+1 Adjustable LED Lights

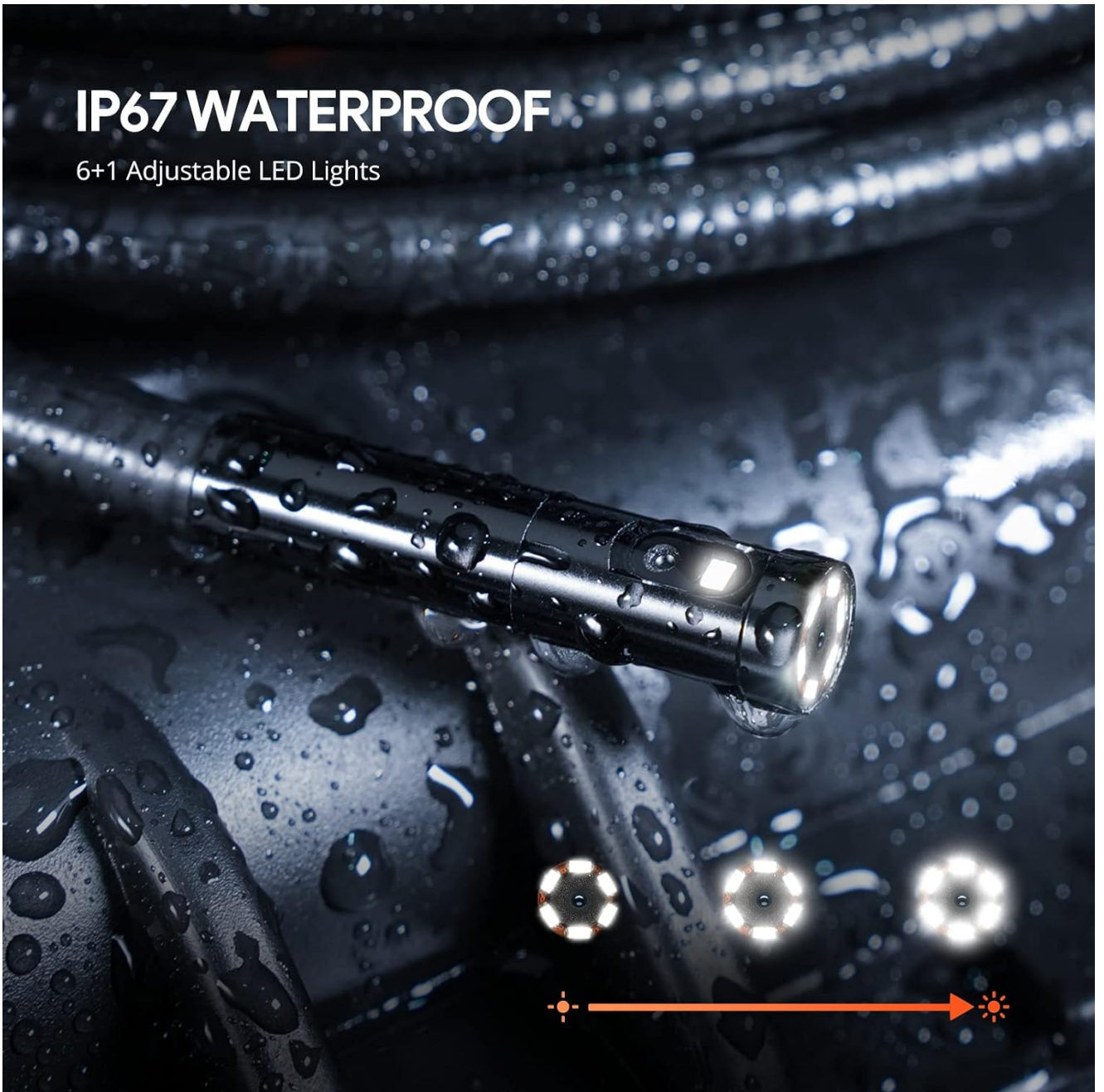


Figure 5: IP67 Waterproof Probe

- **Wide Application:** Ideal for plumbing, HVAC duct inspection, chimney inspection, machinery inspection, automotive repair, electrical diagnostics, and wall structure inspection.

WIDE APPLICATION



Figure 6: Endoscope in Automotive Application

- **Built-in 32GB TF Card:** Comes with a built-in 32GB TF Card for storing captured images and videos.

Official Product Videos:

Video 1: DEPSTECH DS300 Dual-Lens Endoscope Review and Test. This video provides a detailed review and demonstration of the DS300's features and performance.

Video 2: DEPSTECH DS300 Dual Lens Borescope Test and Review. This video showcases the borescope's capabilities through various tests and provides a comprehensive review.

3. PACKAGE CONTENTS

The DEPSTECH inspection camera package includes the following items:

- LCD Digital Endoscope (with built-in 32GB TF Card)
- User Manual
- USB to Micro USB Cable

- Set of Accessories (including a hook and a magnet)

4. SETUP

1. **Charge the Device:** Connect the endoscope to a power source using the provided USB to Micro USB Cable. The built-in battery can work continuously for about 4 hours on a full charge.
2. **Power On:** Press and hold the power button (usually marked with a power symbol) on the device to turn it on. The LCD screen will display the live camera feed.
3. **Attach Accessories (Optional):** If needed, screw on the hook or magnet accessory to the end of the camera probe for retrieving objects.



Figure 7: Control Buttons and Ports

5. OPERATING INSTRUCTIONS

- 1. Adjust LED Lights:** Use the brightness adjustment buttons (usually +/-) on the control panel to increase or decrease the intensity of the 7 LED lights on the camera probe.
- 2. Switch Camera Views:** The DS300 features dual lenses. Press the dedicated button (often labeled with a camera icon or 180° rotation symbol) to switch between the front camera, side camera, or split-screen view.
- 3. Capture Photos/Videos:** Press the photo/video button (usually marked with a camera or video recorder icon) to capture still images or start/stop video recording. Captured media is saved to the built-in 32GB TF card.
- 4. Navigate Menus:** Use the MENU button to access settings such as resolution, language, auto-power off, and formatting the TF card. Use the OK/Play and navigation buttons to select options.
- 5. Image Rotation:** The camera features a 180° rotating orientation for better observation.

6. MAINTENANCE

- Cleaning the Lens:** After each use, especially in dirty or wet environments, gently wipe the camera lens with a soft, dry cloth. For stubborn grime, a slightly damp cloth can be used, ensuring the lens is dry before storage.
- Cable Care:** Avoid sharp bends or kinks in the semi-rigid cable. Coil it loosely for storage to prevent damage.
- Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially before long periods of storage.
- Storage:** Store the endoscope in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

- No Image on Screen:** Ensure the device is powered on and fully charged. Check the cable connection to the main unit. If the issue persists, try resetting the device using the reset pinhole (refer to Figure 7).
- Poor Image Quality:** Adjust the LED light brightness. Clean the camera lens. Ensure the focal range is appropriate (front camera: 3-8cm / 1.2-3.1in; side camera: 2-6cm / 0.8-2.4in).
- Device Not Charging:** Verify the USB cable is securely connected to both the device and the power source. Try a different USB port or power adapter.
- Cannot Save Photos/Videos:** Check if the 32GB TF card is properly inserted. If the card is full, delete old files or format the card via the device's menu (this will erase all data).

8. TECHNICAL SPECIFICATIONS

Specification	Value
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Model Number	DS300-Black
Display Screen	4.3-inch TFT LCD
Video Capture Resolution	1080p
Camera Resolution	2.0 MP
Probe Diameter	7.9mm
Cable Length	16.5FT
Waterproof Rating	IP67
LED Lights	7 Adjustable LEDs
Front Camera Focal Range	3-8cm / 1.2-3.1in
Side Camera Focal Range	2-6cm / 0.8-2.4in
Battery Life	Approx. 4 hours
Storage	Built-in 32GB TF Card

9. WARRANTY AND CUSTOMER SUPPORT

DEPSTECH offers 24-hour professional and kind after-sales service and a 24-month free warranty for your endoscope. For any questions or assistance, please feel free to contact DEPSTECH customer support.

You can also refer to the official user manual for more detailed information:

[Download User Manual \(PDF\)](#)

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