

## DEPSTECH DS700TL

# DEPSTECH DS700TL Endoscope User Manual

Model: DS700TL | Brand: DEPSTECH

## 1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your DEPSTECH DS700TL Endoscope. This advanced inspection camera features a revolutionary 7-inch Ultra-Wide IPS Screen, an innovative triple-lens system, and sound recording capabilities, making it an indispensable tool for professional mechanics, plumbers, DIY homeowners, and various industrial applications.

The DS700TL is designed for detailed visual inspection in hard-to-reach areas such as automotive engines, wall cavities, pipes, and HVAC systems. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.



Figure 1.1: DEPSTECH DS700TL Endoscope Overview

The image displays the DEPSTECH DS700TL Endoscope, showcasing its large 7-inch IPS display unit connected to a flexible gooseneck camera probe. The screen shows a detailed internal view of machinery, highlighting the device's high-resolution imaging capabilities. The control buttons are visible on the right side of the screen unit.

## 2. KEY FEATURES

- **7-inch Ultra-Wide IPS Screen:** Experience unparalleled clarity and precision with a large, crystal-clear display. IPS technology ensures better color accuracy and wider viewing angles, enhancing visibility and reducing the need for repeated inspections.

# 7" IPS Ultra-Wide Screen

Enjoy extended visibility and sharpness



Figure 2.1: Ultra-Wide IPS Screen

This image highlights the 7-inch IPS Ultra-Wide Screen of the DS700TL endoscope, emphasizing its extended visibility and sharpness for detailed inspections.

- **Innovative Triple-Lens Endoscope:** Equipped with three distinct lenses (front, side B, side C) to capture images from multiple angles, providing a more comprehensive view of complex inspection areas.



# Advanced 1080P HD Triple Lenses

Unlock superb picture clarity and detail



Figure 2.2: Triple-Lens System

A detailed diagram illustrating the internal structure of the triple-lens endoscope probe, showing the arrangement of the main lens and two side lenses, along with their respective LED lights for illumination.

- **Superb Clarity & Sound Recording:** Features a 2.0 megapixel CMOS image sensor and Bluart 3.0 Image Processor for stunningly detailed 1080P HD views. A built-in microphone and speaker allow for seamless audio recording and playback during inspections.
- **Efficient Split Screen View:** The main camera and side cameras can be used independently or simultaneously. Compare different views side by side in split-screen mode for easier identification of discrepancies.



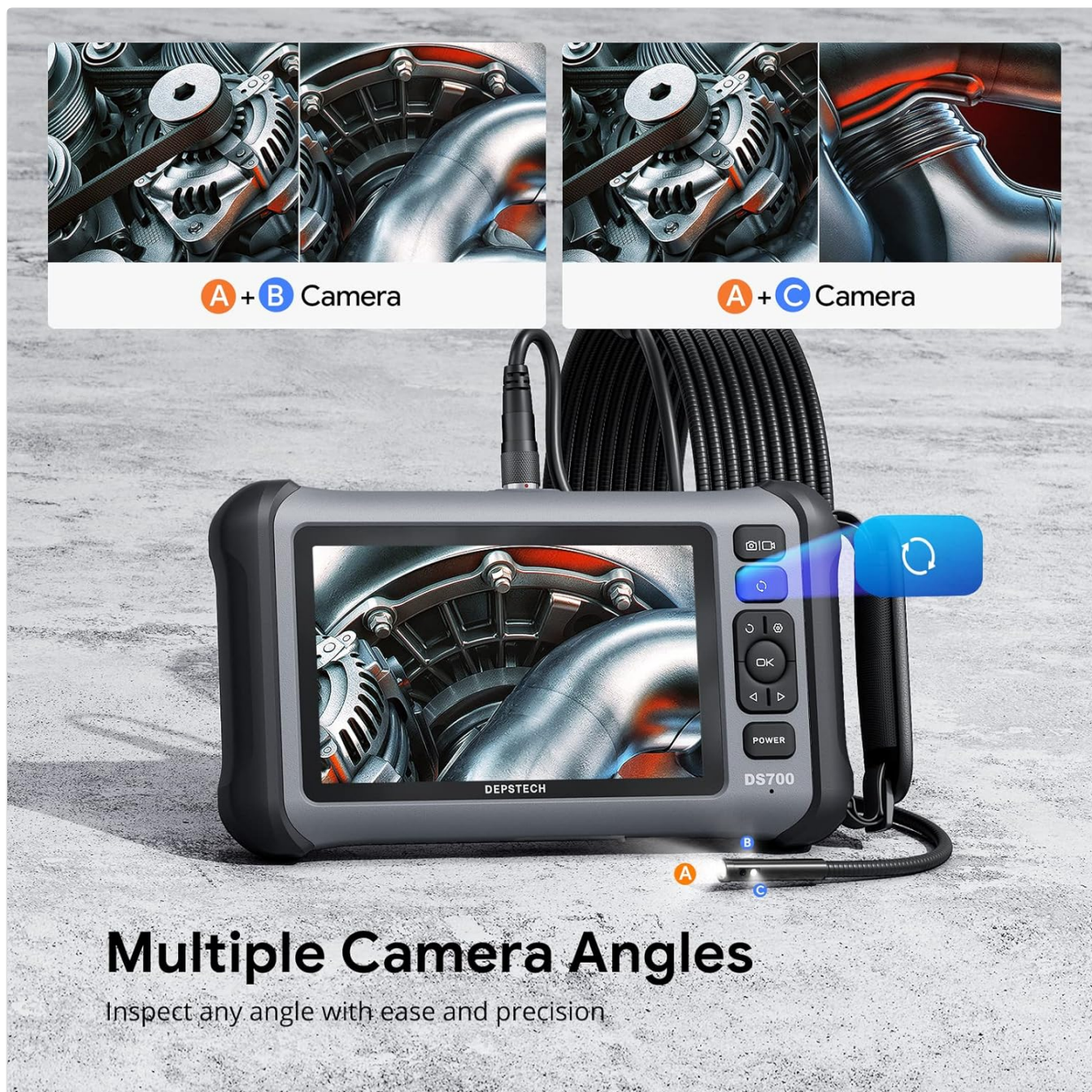


Figure 2.3: Multiple Camera Angles and Split Screen

This image demonstrates the DS700TL's capability to display multiple camera angles, including a split-screen view, allowing users to inspect areas from different perspectives simultaneously.

- **Robust Gooseneck Snake Cable:** The 13ft heavy-duty gooseneck cable provides an optimal balance of flexibility and stiffness, allowing precise manipulation into tight spaces. A 3.3ft soft cable section near the head end ensures stability.



## Robust Gooseneck Snake

Perfect balance of flexibility and sturdiness

Figure 2.4: Robust Gooseneck Snake

The image shows the robust gooseneck snake cable, highlighting its flexible yet sturdy design, ideal for navigating complex environments.

- **Durable and User-Friendly Design:** Boasts rugged construction, an ergonomic design with a metal stand, and a carrying strap for easy handling and lasting performance. The intuitive interface simplifies menu navigation.

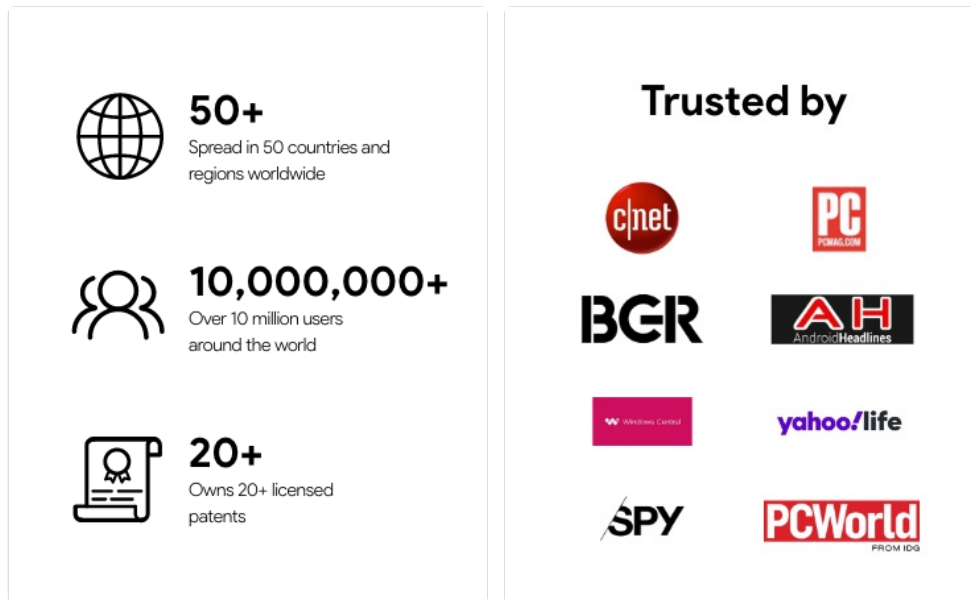


Figure 2.5: Metal Stand and Carrying Strap

These images show the integrated metal stand for stable placement and the convenient carrying strap for enhanced portability and handling of the DS700TL endoscope.

### 3. PACKAGE CONTENTS

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Please verify that all items are present and in good condition upon opening the package.

- DEPSTECH DS700TL Endoscope Unit (with 7-inch IPS Screen)
- Triple-Lens Gooseneck Camera Cable (16.5ft / 5m)
- Protective Carrying Case
- USB Type-C Charging Cable
- User Manual (this document)
- Micro SD Card (pre-installed)
- Accessory Kit (e.g., hook, magnet, side mirror - if included with your model)





Figure 3.1: Endoscope and Accessories

The image displays the DEPSTECH DS700TL endoscope unit, its gooseneck camera, and various accessories neatly organized within its durable protective carrying case.

## 4. SETUP GUIDE

1. **Charge the Device:** Before first use, fully charge the endoscope unit. Connect the provided USB 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.



# Stay Powered Up and Efficient

Reliable, Improved Rechargeable Battery

Note: Type-C charging cable included (no adapter)



Figure 4.1: Charging the Endoscope

The image shows the DS700TL endoscope unit connected to a power strip via its USB-C charging cable, indicating the device is being charged.

2. **Insert Micro SD Card:** The device comes with a pre-installed Micro SD card. Ensure it is properly seated in the card slot. If replacing or inserting a new card, ensure the device is powered off.
3. **Attach Camera Cable:** Connect the gooseneck camera cable to the designated port on the top of the endoscope unit. Ensure a secure connection.
4. **Power On:** Press and hold the **POWER** button located on the right side of the screen unit until the display turns on.
5. **Initial Settings:** Upon first power-on, you may need to set the language, date, and time through the on-screen menu. Refer to the "Operating Instructions" section for menu navigation.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Controls

- **POWER Button:** Press and hold to turn on/off. Short press to enter/exit menu or confirm selection.

- **OK Button:** Confirm selection in menus.
- **Up/Down/Left/Right Arrows:** Navigate through menus, adjust LED brightness, or switch camera views.
- **Photo/Video Button:** Short press to take a photo. Long press to start/stop video recording.
- **Rotation Button:** Rotate the image on the screen.

## 5.2 Camera Operation

1. **Adjusting LED Lights:** Use the Up/Down arrow buttons to increase or decrease the brightness of the LED lights on the camera probe. Each lens has independent lighting.
2. **Switching Lenses:** Use the Left/Right arrow buttons to cycle between the front camera (A), side camera B, and side camera C.
3. **Split Screen Mode:** To activate split-screen, navigate to the display settings in the menu. You can view combinations like A+B or A+C simultaneously.
4. **Capturing Images/Videos:**
  - For photos, short press the Photo/Video button.
  - For videos, long press the Photo/Video button to start recording. Long press again to stop.
5. **Sound Recording:** The built-in microphone will record audio during video capture. Playback includes audio.
6. **Navigating the Gooseneck Cable:** Gently guide the gooseneck cable into the inspection area. Its semi-rigid design allows it to retain its shape, making it easier to maneuver around obstacles.



Figure 5.1: Gooseneck Cable Flexibility

This image illustrates the flexible and bendable nature of the gooseneck cable, demonstrating its ability to navigate tight bends and hold its position for effective inspection.

## 5.3 Viewing and Transferring Files

- **Playback on Device:** Enter the playback mode via the menu to view captured photos and videos directly on the 7-inch screen.
- **Transfer to Computer:** Connect the endoscope unit to your computer using the USB Type-C cable. The device will appear as a removable storage device, allowing you to copy files from the Micro SD card.





Figure 5.2: Data Transfer to Computer

The image shows the endoscope unit connected to a laptop, illustrating the process of transferring captured images and videos from the device to a computer.

## 6. MAINTENANCE AND CARE

- **Cleaning the Lens:** Use a soft, lint-free cloth to gently wipe the camera lens. For stubborn dirt, a small amount of lens cleaning solution can be applied to the cloth, not directly to the lens.
- **Cleaning the Screen:** Use a microfiber cloth to clean the IPS screen. Avoid abrasive materials or harsh chemicals.
- **Probe Cleaning:** The camera probe is IP67 waterproof. After use in dirty or wet environments, wipe the probe clean with a damp cloth. Ensure it is dry before storage.




Figure 6.1: Waterproof Probe

The image shows the waterproof camera probe with water droplets on its surface, indicating its resistance to liquids and ease of cleaning after use in wet conditions.

- **Storage:** Store the endoscope and its accessories in the provided protective carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to approximately 50% every few months.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery; Device frozen.	Charge the device fully. If still unresponsive, try resetting by holding the power button for 10-15 seconds.
Poor image quality / Blurry image.	Dirty lens; Insufficient lighting; Incorrect focus distance.	Clean the camera lens. Adjust LED brightness. Ensure the object is within the optimal focal range (1.18-3.93 inches for front camera, 0.79-2.36 inches for side cameras).

Problem	Possible Cause	Solution
Cannot record photos/videos.	Micro SD card full or corrupted; Card not inserted correctly.	Check Micro SD card storage. Format the card (this will erase all data). Reinsert the card properly. Try a different Micro SD card.
No sound during video playback.	Volume too low; Speaker blocked.	Increase volume using controls. Ensure the speaker is not obstructed. <div></div> <p>Figure 7.1: Device Speaker Location</p> <p>The image highlights the location of the speaker on the back of the DS700TL endoscope unit, which is responsible for audio playback.</p>

## 8. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	DS700TL
Screen Size	7-inch IPS Display
Video Capture Resolution	1080p HD
Camera Type	Triple-Lens (Front, Side B, Side C)
Image Sensor	2.0 Megapixel CMOS
Image Processor	Bluart 3.0
Gooseneck Cable Length	16.5ft (5m)
Probe Diameter	7.9 mm
Waterproof Rating	IP67 (for camera probe)
Battery Capacity	5200mAh Lithium Ion (included)
Working Time	Approximately 4 hours
Media Storage	Micro SD Card (included)
Package Dimensions	14.41 x 11.97 x 4.92 inches
Item Weight	1 Pound



## 9. WARRANTY AND SUPPORT

### 9.1 Product Warranty

The DEPSTECH DS700TL Endoscope comes with a standard limited warranty. Please refer to the warranty card included in your package or visit the official DEPSTECH website for detailed warranty terms and conditions. This warranty typically covers manufacturing defects and malfunctions under normal use.

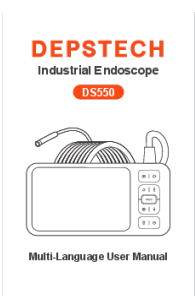
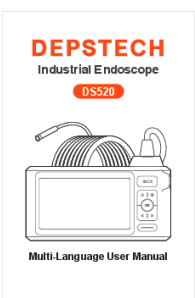
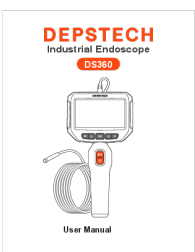
### 9.2 Customer Support




For technical assistance, troubleshooting, or any inquiries regarding your DEPSTECH product, please contact DEPSTECH Customer Support. You can find contact information on the official DEPSTECH website or through the contact details provided in your product packaging.

**Official DEPSTECH Store:** [Visit DEPSTECH Store on Amazon](#)

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### Related Documents - DS700TL

	<p><a href="#">DEPSTECH DS550 Industrial Endoscope User Manual</a></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><a href="#">DEPSTECH DS520 Industrial Endoscope User Manual</a></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><a href="#">DEPSTECH DS360 Industrial Endoscope User Manual</a></p> <p>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>

 <p>DEPSTECH Industrial Endoscope DS500 User Manual</p>	<p><a href="#">DEPSTECH Dual Lens Inspection Camera User Manual - Features &amp; Operation</a></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>
 <p>DEPSTECH Industrial Endoscope DS350DL Operation Guide</p>	<p><a href="#">DEPSTECH DS350DL Dual Lens Endoscope Operation Guide</a></p> <p>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.</p>
 <p>DEPSTECH Industrial Endoscope DS700 Multi-Language User Manual</p>	<p><a href="#">DEPSTECH DS700 Industrial Endoscope User Manual</a></p> <p>User manual for the DEPSTECH DS700 Industrial Endoscope, detailing product features, safety, operation, specifications, and troubleshooting. Includes multi-language support.</p>