

DEPSTECH DS620-TL

DEPSTECH DS620-TL Triple Lens Endoscope Camera User Manual

Model: DS620-TL | Brand: DEPSTECH

1. INTRODUCTION

Thank you for purchasing the DEPSTECH DS620-TL Triple Lens Endoscope Camera. This device is designed for visual inspection in hard-to-reach areas, featuring a 1080P triple-lens camera, a 5-inch IPS monitor, and an IP67 waterproof semi-rigid cable. This manual provides essential information for safe and effective use of your endoscope camera.

2. PRODUCT OVERVIEW

2.1 Key Features

- **1080P Triple Lens Camera:** Equipped with three cameras (front, side B, side C) for multi-angle inspection.
- **5-inch IPS Monitor:** Provides clear, real-time images with excellent color reproduction.
- **IP67 Waterproof Probe:** The 7.9mm diameter semi-rigid cable is waterproof, suitable for wet environments.
- **Adjustable LED Lights:** Features 8+1+1 high-brightness LED chips with adjustable intensity for optimal illumination.
- **5M Semi-Rigid Cable:** Offers flexibility and durability for navigating various spaces.
- **Rechargeable Battery:** Built-in battery provides approximately 2-3 hours of continuous operation.

2.2 Package Contents

Ensure all items are present in the package:

- DEPSTECH DS620-TL Endoscope Camera
- Type-C Charging Cable
- Hook and Magnet Attachments
- Storage Drawstring Bag
- User Manual



Figure 2.2: Included accessories and main unit.

3. SAFETY INFORMATION

- Do not use the device in environments with flammable or explosive gases.
- Keep the device away from strong electromagnetic fields.
- Avoid direct exposure of the camera lens to strong light sources.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by authorized personnel.
- Ensure the device is fully charged before use to avoid interruptions during inspection.
- Clean the probe and lens after each use, especially after contact with liquids or corrosive substances.

4. SETUP

4.1 Charging the Device

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. A full charge typically takes 2-3 hours.

4.2 Inserting a Micro SD Card

To save photos and videos, a Micro SD card (Class 10/Class 10 or higher, 8-32GB) is required (not included). Locate the Micro SD card slot on the side of the monitor unit and insert the card until it clicks into place.

4.3 Attaching Accessories

The endoscope comes with hook and magnet attachments. These can be screwed onto the tip of the camera probe for retrieving small objects or maneuvering in tight spaces.



Figure 4.3: Magnet and hook attachments for the probe.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button (usually located on the side or front panel) for a few seconds to turn the device on. The screen will display the DEPSTECH logo. To power off, press and hold the power button again.



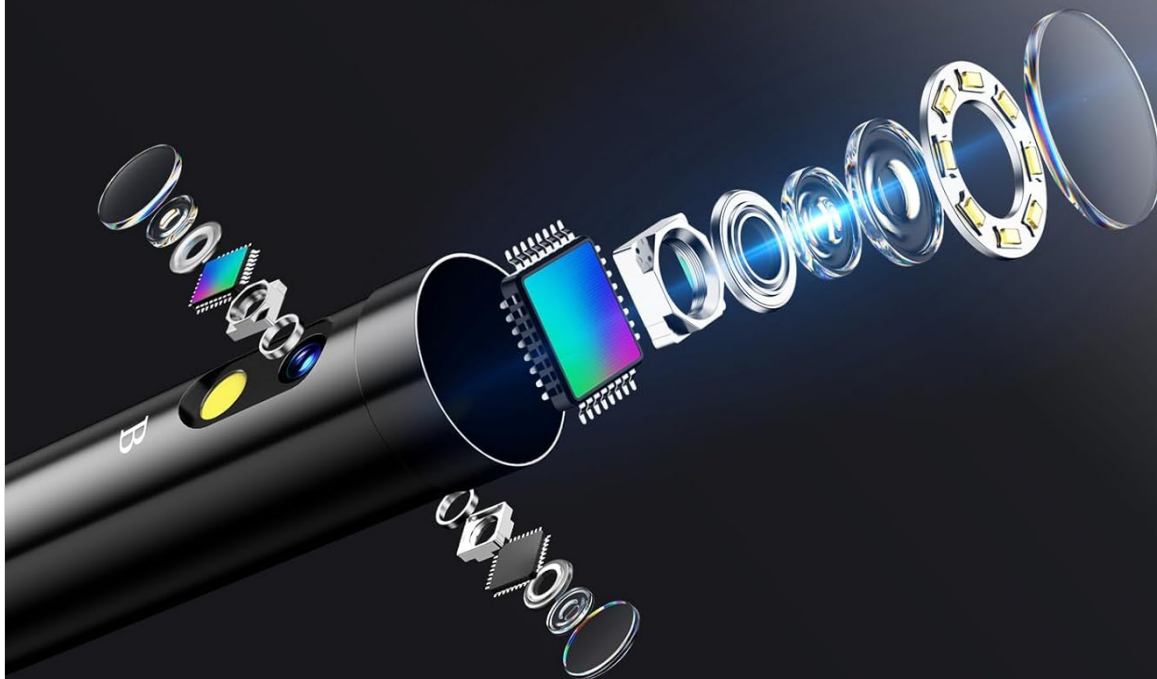
Figure 5.1: Monitor button layout and functions.

5.2 Switching Lenses

The DS620-TL features a triple-lens system. Press the lens switch button (often labeled with a camera icon or 'M') to cycle between Front Camera A, Side Camera B, and Side Camera C. This allows for comprehensive viewing without repositioning the probe.

1080P高精細カメラ

クリアで滑らかな画像を提供



他の製品



本製品

Figure 5.2: Triple lens camera detail.

5.3 Adjusting LED Brightness

Use the up/down arrow buttons on the monitor to adjust the brightness of the LED lights on the camera probe. There are multiple levels of brightness to suit different inspection environments.



Figure 5.3: IP67 waterproof probe with adjustable LED illumination.

5.4 Taking Photos and Recording Videos

Press the photo/video button (usually a camera icon) to capture a still image. To record video, press and hold the photo/video button; press again to stop recording. Ensure a Micro SD card is inserted to save your media.

静止画・動画撮影可能



180°画面回転



タイムウォーターマーク



チュートリアル動画



※静止画・動画撮影機能を使用する場合、マイクロSDカード (Class10/Class10以降 8~32G対応)を別途用意頂く必要があります

Figure 5.4: Monitor interface for photo and video capture.

5.5 Screen Rotation

Press the screen rotation button (often a circular arrow icon) to rotate the image on the monitor by 180 degrees. This is useful when the probe is in an inverted position.

5.6 Practical Applications

The DS620-TL is suitable for various tasks including home appliance maintenance, pipe inspection, wall wiring checks, and automotive repairs.

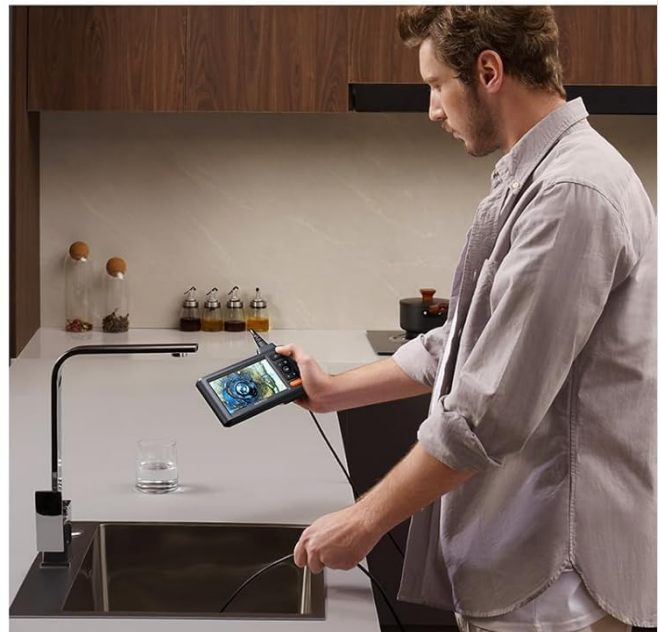


Figure 5.6: Various inspection scenarios for the endoscope.

5.7 Product Demonstration Video

Your browser does not support the video tag.

Video 5.7: A demonstration of the DEPSTECH DS620-TL endoscope camera in use, showcasing its features and applications.

6. MAINTENANCE

6.1 Cleaning the Probe and Lens

After each use, especially in dirty or wet conditions, gently wipe the camera probe and lens with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by drying. Do not use abrasive cleaners or solvents.

6.2 Storage

Store the endoscope camera in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided drawstring bag for protection. Ensure the cable is coiled neatly without sharp bends.

6.3 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.

7. TROUBLESHOOTING

7.1 No Image on Screen

- Ensure the device is powered on and fully charged.
- Check if the camera cable is securely connected to the monitor unit.
- Adjust the LED brightness to ensure adequate lighting in the inspection area.

7.2 Cannot Record Photos/Videos

- Verify that a compatible Micro SD card (Class 10/Class 10 or higher, 8-32GB) is inserted correctly.
- Check if the Micro SD card has sufficient free space.
- Ensure the Micro SD card is not locked (read-only).
- Try formatting the Micro SD card (this will erase all data).

7.3 Device Not Charging

- Ensure the Type-C charging cable is properly connected to both the device and the power source.
- Try using a different USB power adapter or charging cable.
- Check the charging port for any debris or damage.

If you encounter issues not listed here or if the problem persists, please contact DEPSTECH customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	DEPSTECH
Model Name	DS620TL-JP
Color	Black
Waterproof Level	IP67
Media Type	SD Memory Card (8-32GB, Class 10/Class 10 or higher recommended)
File Format	MP4, MOV, AVI, JPEG, RAW
Video Capture Format	MP4
Viewfinder Type	IPS
Sensor Type	CMOS
Photo Sensor Resolution	2.1 MP
Focus Function	Fixed Focus
Auto Focus	No
Battery Average Life	2 Hours

Included Components	Type-C Cable, Attachments, Storage Drawstring Bag
Manufacturer Warranty	2 Years
Country of Origin	China

9. WARRANTY AND SUPPORT

9.1 Manufacturer Warranty

The DEPSTECH DS620-TL comes with a 24-month manufacturer warranty. Your order number serves as proof of purchase for warranty claims.

9.2 Customer Support

For any inquiries, technical assistance, or warranty claims, please contact our dedicated support team:

Email: support@depstech.com

Response Time: We aim to respond to all inquiries within 24 hours. For requests submitted on weekends or holidays, a response will be provided on the next business day.



Figure 9.2: DEPSTECH support details.