

DEPSTECH DS620, DS660

DEPSTECH DS620 50ft Endoscope and DS660 Two-Way Articulating Borescope Bundle User Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, maintenance, and troubleshooting of your DEPSTECH DS620 50ft Endoscope and DS660 Two-Way Articulating Borescope Bundle. Please read this manual thoroughly before using the devices to ensure proper functionality and to prevent damage or injury.

The DEPSTECH DS620 features an extended 50ft cable and an innovative 1080P HD triple lens system, ideal for inspecting long, confined spaces. The DEPSTECH DS660 offers precise 210° two-way articulation with a slim 0.24-inch probe, designed for navigating tight and complex areas. Both devices feature a 5-inch IPS HD display for clear, real-time viewing.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety precautions to prevent electric shock, fire, or personal injury:

- Do not immerse the main display unit in water or other liquids. The camera probe and cable are waterproof, but the main unit is not.
- Do not use the device in environments with flammable or explosive gases.
- Keep the device away from strong electromagnetic fields.
- 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.
- Store the device in a dry, cool place when not in use.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

This bundle includes two distinct inspection cameras, each designed for specific applications:

3.1 DEPSTECH DS620 Endoscope

The DS620 is equipped with a 50ft semi-rigid cable and a triple-lens camera system, providing extensive reach and multiple viewing angles for comprehensive inspections.



Image: The DEPSTECH DS620 endoscope unit, featuring a large display and a coiled 50ft camera cable connected to the main unit. The camera probe tip is visible with its integrated lights.

- **Extended Reach:** 50-foot semi-rigid cable for deep inspections.
- **Triple Lens System:** Front and two side cameras for comprehensive viewing without changing probes.
- **1080P HD Camera:** High-definition image capture.

50ft Flexible Snake Camera

Seamlessly reach every corner



Drain Pipe



Wall



Automotive



HVAC



Image: A diagram illustrating the 50ft flexible snake camera cable, highlighting its capability to reach deep into drain pipes, walls, automotive engines, and HVAC systems.

3.2 DEPSTECH DS660 Articulating Borescope

The DS660 features a shorter, more flexible metal gooseneck probe with 210° two-way articulation, allowing precise navigation and angle adjustment in tight spaces.



Image: The DEPSTECH DS660 borescope unit, showing the main display attached to a handle with a flexible, articulating probe extending from it. A small carrying case is also visible.

- **210° Precision Articulation:** Joystick-controlled two-way bending for optimal viewing angles.
- **Slim Probe:** 0.24-inch diameter for accessing very narrow openings.
- **Adaptable Gooseneck:** 5ft metal gooseneck that holds its shape for stable positioning.



Image: A diagram illustrating the 210° two-way articulation feature of the borescope probe, showing how it can bend in two directions to inspect tight spaces from various angles.

4. SETUP AND INITIAL USE

4.1 Charging the Device

Before first use, fully charge the main display unit using the provided USB cable and a compatible power adapter (not included). The charging indicator will show the charging status.

4.2 Connecting the Camera Probe

For the DS620, securely connect the 50ft endoscope cable to the designated port on the main display unit. For the DS660, the articulating probe is typically integrated or connects via a secure, dedicated port.



Image: A composite image showing both the DEPSTECH DS620 endoscope and the DS660 articulating borescope units. The DS620 has a long coiled cable, while the DS660 has a shorter, flexible probe with a handle.

4.3 Inserting a MicroSD Card

To save images and videos, insert a MicroSD card (up to 32GB, Class 10 recommended) into the card slot on the main display unit. Ensure the card is inserted correctly before powering on.

5. OPERATING INSTRUCTIONS

5.1 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 display will illuminate.

5.2 Navigating the Menu

Use the directional buttons (up, down, left, right) and the OK button to navigate through the on-screen menu. Settings typically include brightness, resolution, language, and date/time.



Image: A detailed view of the borescope's control panel, highlighting the joystick for articulation and the user-friendly rear capture button for taking photos or recording videos.

5.3 Adjusting LED Brightness

The camera probe features adjustable LED lights. Use the dedicated brightness control button or menu option to increase or decrease illumination as needed for clear viewing.

5.4 Capturing Images and Videos

- **To take a photo:** Press the photo capture button (often marked with a camera icon) once.
- **To record a video:** Press the video record button (often marked with a video camera icon) once to start recording. Press again to stop.

Saved files can be accessed through the gallery or playback menu on the device.

5.5 Using the DS620 Triple Lens System

The DS620 allows switching between front and side cameras. Use the designated button (often labeled with a lens icon or 'M' for mode) to cycle through the front view, left side view, and right side view. This eliminates the need for additional attachments.

Innovative 3-Lens System

See more and inspect better



► **Front Cam A**
1.18-3.93 in



► **Side Cam B**
0.79-2.36 in



► **Side Cam C**
0.79-1.57 in



Image: A visual representation of the borescope's innovative three-lens system, showing the front camera and two side cameras with their respective focal ranges, allowing for comprehensive inspection.

5.6 Operating the DS660 Articulation

The DS660 features a joystick control for precise two-way articulation of the probe tip. Gently move the joystick to bend the probe in the desired direction (up to 210°). This allows for navigating around obstacles and viewing specific angles.

Adaptable Gooseneck

Effortless Positioning for Desired View



Image: A person demonstrating the use of the articulating borescope, holding the main unit and guiding the flexible gooseneck probe into a hard-to-reach area, showcasing its adaptability.

6. MAINTENANCE

6.1 Cleaning the Camera Probe

After each use, especially in dirty or oily environments, gently wipe the camera probe and cable with a soft, damp cloth. For stubborn grime, a mild detergent can be used, followed by a clean, damp cloth. Ensure no liquid enters the main unit.

6.2 Cleaning the Display Screen

Use a soft, lint-free cloth to clean the display screen. Avoid abrasive materials or harsh chemicals that could scratch or damage the screen.

6.3 Storage

When not in use, store the device in its original packaging or a protective case in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the cable is neatly coiled to prevent kinks or damage.

7. TROUBLESHOOTING

7.1 Device Does Not Power On

- Ensure the device is fully charged. Connect it to a power source and allow it to charge for at least 30 minutes before attempting to power on again.
- Check the power button for proper function.

7.2 No Image on Screen

- Verify that the camera probe is securely connected to the main unit.
- Check the LED brightness settings; increase if the environment is too dark.
- Restart the device.

7.3 Cannot Save Photos/Videos

- Ensure a MicroSD card is inserted correctly.
- Check if the MicroSD card has sufficient free space.
- Format the MicroSD card (this will erase all data, back up important files first).
- Ensure the MicroSD card is not locked (read-only).

7.4 Articulation Not Responding (DS660)

- Check for any physical obstructions preventing the probe from bending.
- Ensure the joystick is clean and free of debris.
- Restart the device.

8. SPECIFICATIONS

Feature	Description
Display	5-inch IPS HD Display, 854*480 Resolution, 178° Viewing Angle, 340 cd/m² Brightness
Camera (DS620)	1080P HD Triple Lens System (Front, Side A, Side B)
Cable Length (DS620)	50ft (15.24m) Semi-Rigid Cable
Articulation (DS660)	210° Two-Way Precision Joystick Control
Probe Diameter (DS660)	0.24 inches (6mm)
Gooseneck Length (DS660)	5ft (1.5m) Metal Gooseneck
Storage	MicroSD Card (up to 32GB, not included)
Power Source	Rechargeable Battery (details not specified, typically Li-ion)

5" Wide-View Screen



5.0"
Screen



178°
Viewing Angle



IPS
Screen



854*480
Resolution



340 cd/m²
Brightness



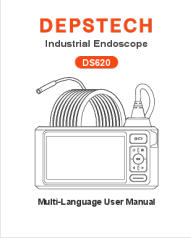
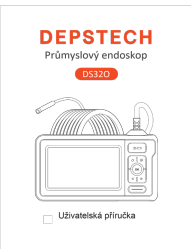

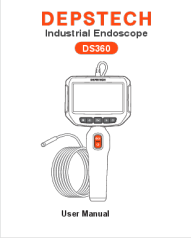


Image: A graphic illustrating the key specifications of the 5-inch IPS HD display, including its 854x480 resolution, 178° viewing angle, and 340 cd/m² brightness, emphasizing its clarity and wide view.

9. WARRANTY AND SUPPORT

DEPSTECH products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official DEPSTECH website. Please have your model number and purchase date available when contacting support.

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

Related Documents - DS620, DS660

 <p>DEPSTECH Industrial Endoscope DS620 Multi-Language User Manual</p>	<p>DEPSTECH DS620 Industrial Endoscope User Manual</p> <p>User manual for the DEPSTECH DS620 Industrial Endoscope, detailing its features, operation, and specifications. Includes multi-language support.</p>
 <p>DEPSTECH Průmyslový endoskop DS320 Uživatelská příručka</p>	<p>DEPSTECH DS320 Industrial Endoscope User Manual</p> <p>Comprehensive user manual for the DEPSTECH DS320 industrial endoscope, covering features, operation, specifications, and troubleshooting. Learn how to use your high-performance inspection camera.</p>
 <p>DEPSTECH Industrial Endoscope DS700 Multi-Language User Manual</p>	<p>DEPSTECH DS700 Industrial Endoscope User Manual</p> <p>User manual for the DEPSTECH DS700 Industrial Endoscope, detailing product features, safety, operation, specifications, and troubleshooting. Includes multi-language support.</p>
 <p>DEPSTECH Industrial Endoscope DS360 User Manual</p>	<p>DEPSTECH DS360 Industrial Endoscope User Manual</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>WARNING Please make sure the USB cable is plugged into the product properly. If the product has the signal and lens light, please plug and check the USB cable again.</p>	<p>DEPSTECH Borescope: Troubleshooting USB Connection for Signal and Light</p> <p>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.</p>
 <p>DEPSTECH Industrial Endoscope DS520 Multi-Language User Manual</p>	<p>DEPSTECH DS520 Industrial Endoscope User Manual</p> <p>Comprehensive user manual for the DEPSTECH DS520 Industrial Endoscope, detailing product features, operation, safety guidelines, specifications, and troubleshooting. Available in multiple languages.</p>