

DEPSTECH DS630-US

DEPSTECH Two-Way Articulating Borescope DS630-US Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your DEPSTECH Two-Way Articulating Borescope, model DS630-US. Please read this manual thoroughly before use and retain it for future reference. This device is designed for visual inspection in hard-to-reach areas, offering advanced articulation and clear imaging capabilities for various professional and DIY applications.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- DEPSTECH Two-Way Articulating Borescope (DS630-US)
- Flexible Gooseneck Cable with 0.23in (6.2mm) Camera Probe
- 5-inch IPS LCD Display Unit
- 32GB TF Card (pre-installed or included separately)
- USB Charging/Data Cable
- User Manual
- Hard Carrying Case



Image: All components of the DEPSTECH DS630-US Borescope laid out, including the main unit, probe, cables, and carrying case.

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Video: An unboxing and overview of the DEPSTECH DS660 borescope, demonstrating the package contents and initial setup.

3. PRODUCT FEATURES AND COMPONENTS

- **Two-Way 210° Articulating Probe:** Allows for flexible and comprehensive inspection without blind spots. The probe can be locked at any desired angle.
- **Superior Clarity:** Features a 2.0MP Image Sensor with Bluart 3.0 Tech for clear and fluid visuals. Includes 1.5X zoom function.
- **Sound Recording:** Built-in microphone and speakers support sound recording for accurate analysis of the inspection environment.
- **5-inch IPS LCD Display:** Large true-color display for exceptional clarity and color accuracy. No app required for basic operation.
- **6.2mm Tiny Camera:** Slim probe navigates tight spaces easily. Equipped with 8 high-intensity LED lights with adjustable brightness.
- **Flexible Gooseneck Cable:** High-density tungsten wire mesh design for durability and flexibility. Best focal distance is 5cm.
- **High-Temperature Protection:** Intelligent system triggers an alarm if temperature exceeds 70°C and automatically shuts down if over 80°C.
- **Long-Lasting Battery:** 3350mAh battery provides up to 3.5 hours of continuous use.



5" IPS LCD Display

Experience crisp, sharp details

Image: The main unit of the borescope showing the 5-inch IPS LCD display, highlighting its clarity for detailed inspections.



Image: Close-up of the 6.2mm camera probe, illustrating its small diameter for accessing confined areas.



Image: Visual representation of the borescope's high-temperature protection system, indicating automatic shutdown above 80°C.

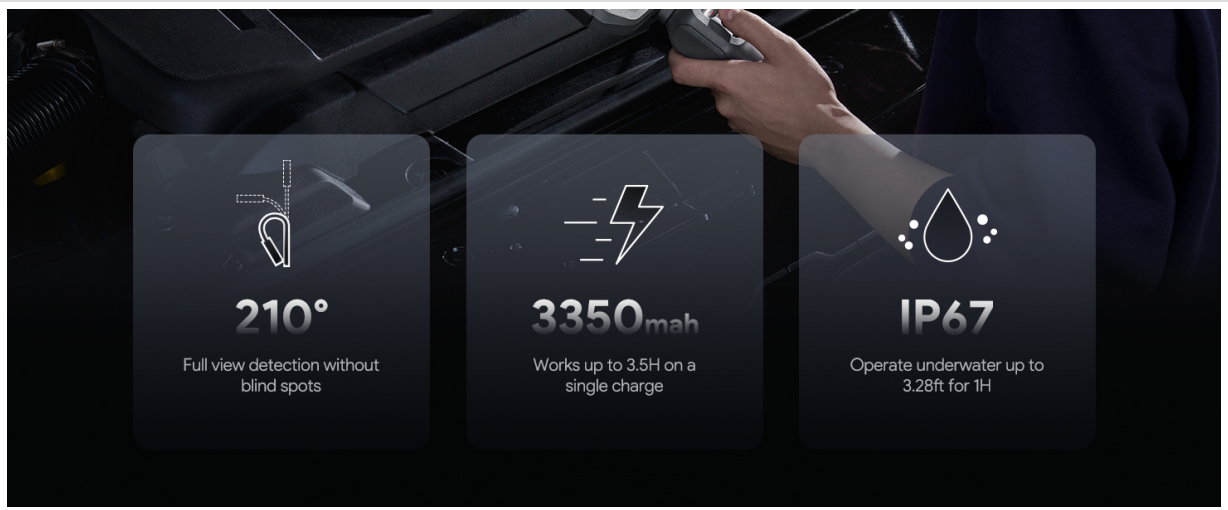


Image: Diagram illustrating the 210-degree articulation capability of the borescope probe, highlighting its flexibility.

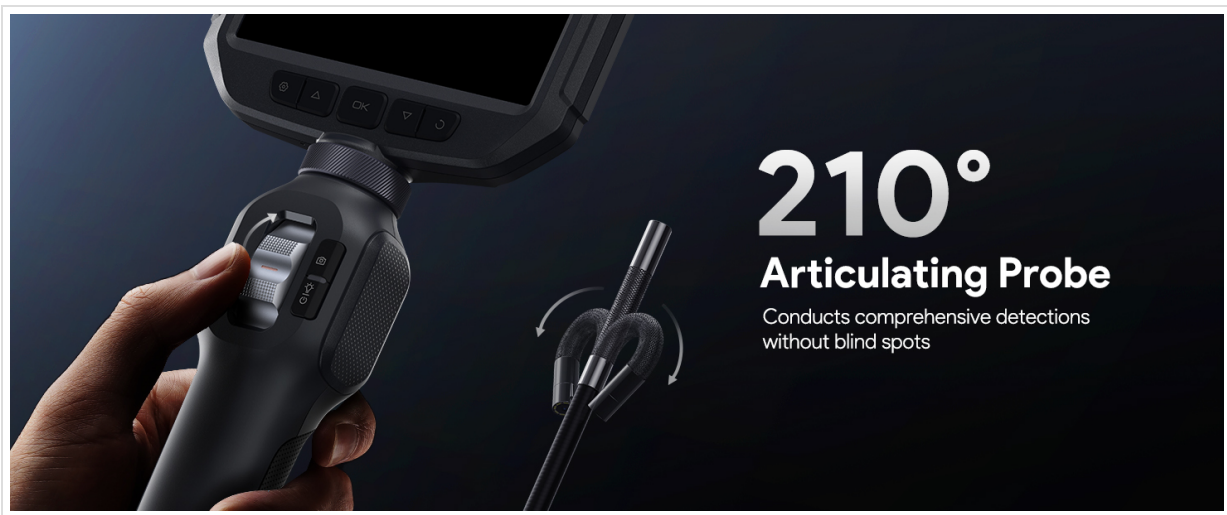


Image: Graphic representing the 1080P clarity of the borescope's image capture, emphasizing detail and realism.



Image: Illustration of the borescope probe submerged in water, indicating its IP67 waterproof rating.

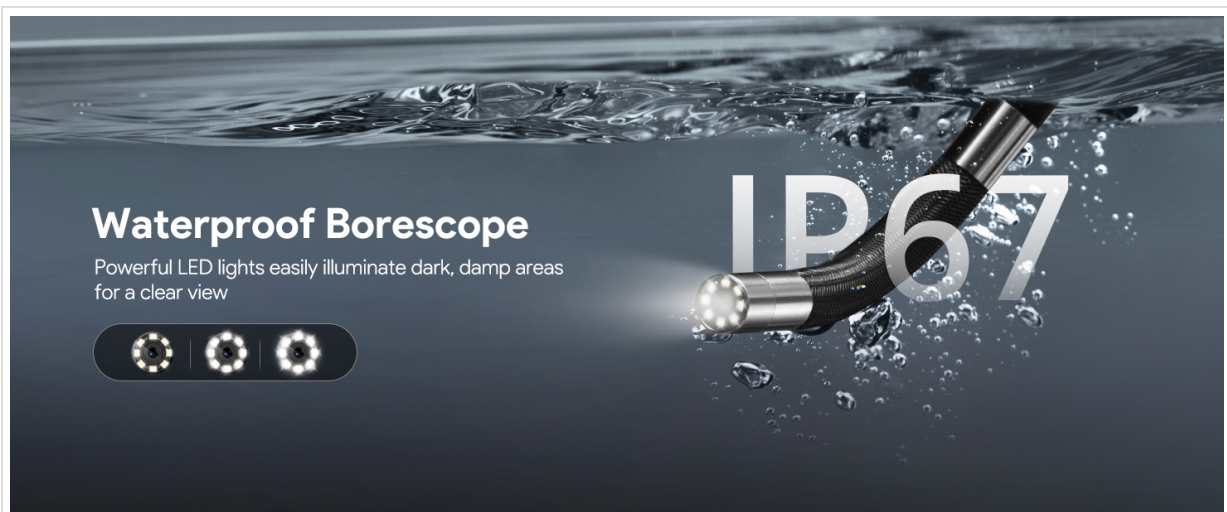


Image: Graphic showing the 3350mAh rechargeable battery, highlighting its long-lasting power for extended use.

4. SETUP

4.1 Charging the Device

Before first use, fully charge the borescope using the provided USB charging/data cable. Connect the USB-C end to the borescope's charging port and the USB-A end to a compatible power adapter (not included) or computer USB port. The charging indicator will show the charging status.

4.2 Inserting the TF Card

The borescope supports a TF (Micro SD) card for storing photos and videos. Locate the TF card slot on the side of the display unit, open the rubber cover, and insert the TF card until it clicks into place. Ensure the device is powered off before inserting or removing the card.

4.3 Attaching the Camera Probe

The flexible camera probe is pre-attached to the main unit. Ensure it is securely fastened before use. The probe is designed to be flexible but avoid excessive force or sharp bends to prevent damage.

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Video: Demonstrates the initial setup and first use of a Teslong TD500 Articulating Borescope, including powering on and basic probe manipulation.

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Video: Shows the first use of a Teslong TD300P Articulating Borescope, illustrating how to power on and begin inspection.

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Video: A demonstration of the Teslong TD450S Articulating Borescope's first use, covering power-up and initial probe handling.

5. OPERATING INSTRUCTIONS



Image: Diagram labeling the various control buttons and ports on the DEPSTECH DS630-US borescope unit.

5.1 Power On/Off

- To power on: Press and hold the Power button (usually marked with a circle and vertical line) for a few seconds until the screen illuminates.
- To power off: Press and hold the Power button again until the screen turns off.

5.2 Basic Navigation and Settings

- **Menu Button (M):** Press to access the main menu for settings like resolution, language, date/time, temperature unit, and auto-shutdown.
- **OK Button:** Confirm selections in the menu or take photos/start recording in live view.
- **Up/Down Buttons:** Navigate through menu options or zoom in/out during live view.
- **Light Adjustment:** Use the dedicated light button (often a sun icon) to cycle through different brightness levels of the LED lights on the camera probe.

- **Articulation Control:** Use the steering wheel or lever on the handle to precisely control the 210° articulation of the camera probe. Move gently to avoid damage.

5.3 Photo and Video Capture

- **Photo Mode:** In live view, press the OK button or the dedicated Photo/Video button on the handle to capture a still image.
- **Video Mode:** Press the Mode button (M) to switch to video recording mode. Then, press the OK button or the Photo/Video button to start recording. Press again to stop.
- All captured media is saved to the inserted TF card.

5.4 Playback Mode

- Press the Mode button (M) repeatedly until you enter playback mode.
- Use the Up/Down buttons to browse through your saved photos and videos.
- Press the OK button to view a selected item or play a video.

5.5 Transferring Files to a Computer

- **Method 1 (Direct Connection):** Connect the borescope to your computer using the USB cable. Power on the borescope. Your computer should recognize it as a removable storage device. Navigate to the DCIM folder to access your files.
- **Method 2 (TF Card Reader):** Power off the borescope, remove the TF card, and insert it into a compatible card reader (not included). Connect the card reader to your computer to access the files.

6. MAINTENANCE

- **Cleaning the Camera Lens:** Before and after each use, gently clean the camera lens with a soft microfiber cloth or a cotton swab. For stubborn stains, use warm water or rubbing alcohol. Avoid stronger solvents.
- **Cleaning the Display Unit:** Wipe the screen and monitor with a microfiber cloth and a few drops of warm water or rubbing alcohol to remove dust and fingerprints.
- **Storage:** Store the device in its hard carrying case when not in use to protect it from damage.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain its lifespan.

7. TROUBLESHOOTING

- **Device not powering on:** Ensure the battery is charged. Connect to a power source and try again.
- **No image on screen:** Check if the camera probe is securely connected. Ensure the device is in live view mode.
- **Poor image quality:** Clean the camera lens. Adjust the LED light brightness. Ensure the object is within the optimal focal distance (approx. 5cm).
- **Cannot save photos/videos:** Ensure a TF card is inserted and has sufficient free space. Check if the TF card is formatted correctly (FAT32 recommended).
- **Device overheating:** The borescope has a high-temperature protection system. If it overheats (above 80°C), it will automatically shut down. Allow it to cool down before resuming use. Avoid exposing the probe to temperatures exceeding 70°C (158°F).

8. SPECIFICATIONS

Feature	Specification
Model Number	DS630-US
Camera Diameter	0.23in (6.2mm)
Articulation Angle	Two-Way 210°
Display Screen	5-inch IPS LCD
Image Sensor	2.0MP
Video Resolution	1080p
LED Lights	8 (Adjustable Brightness)
Focal Distance	0-5 cm (Best at 5cm)
Battery Capacity	3350mAh
Operating Time	Up to 3.5 hours
Water Resistance (Probe)	IP67
High-Temperature Protection	Alarm at 70°C, Auto-shutdown at 80°C
Connectivity	USB

9. WARRANTY AND SUPPORT

DEPSTECH products come with a standard warranty. For detailed warranty information, product support, or any issues not covered in this manual, please visit the official DEPSTECH website or contact their customer service. Contact information can typically be found on the product packaging or the DEPSTECH brand store.

- **DEPSTECH Store:** [Visit DEPSTECH Store](#)