

## Teslong NTS430

# Teslong NTS430 Dual Lens Endoscope Camera User Manual

Model: NTS430 | Brand: Teslong



## 1. INTRODUCTION

The Teslong NTS430 is a versatile dual-lens endoscope camera designed for detailed visual inspection in various environments. It features a 4.3-inch HD display, a flexible probe with front and side cameras, adjustable LED illumination, and a durable, waterproof design. This manual provides essential information for the safe and effective use of your NTS430 endoscope camera.



Figure 1: Teslong NTS430 Dual Lens Endoscope Camera with flexible probe.

## 2. PACKAGE CONTENTS

Verify that all items are present in your package:

- NTS430 Monitor
- Dual Lens Probe (available in 3.3FT, 16.5FT, or 50FT lengths)
- USB Charging Cable
- User Manual (this document)
- Magnet Hook



Figure 2: Included components: NTS430 monitor, dual lens probe, USB charging cable, user manual, and magnet hook.

### 3. PRODUCT OVERVIEW

#### 3.1 Device Layout

# SPLIT SCREEN VIEW

Switched By One Button



Figure 3: Key components and controls of the NTS430 monitor.

1. Cable Interface Port: Connects the flexible probe.
2. 4.3 Inches Display: High-definition IPS screen for viewing images and videos.
3. Micro Card Port: Slot for inserting a Micro SD card for storage.
4. Reset Button: Used to reset the device.
5. USB Port: For charging and data transfer.
6. Up & Zoom Button: Navigates menus upwards and controls digital zoom.
7. OK Button: Confirms selections.
8. Adjust Brightness Button: Controls the intensity of the LED lights.
9. Down & Rotate Button: Navigates menus downwards and rotates images.
10. Take Photo / Record Video Button: Captures still images or starts/stops video recording.
11. Mode Button: Switches between photo, video, and playback modes.
12. Turn ON / OFF Button: Powers the device on or off.
13. Settings Button: Accesses system settings.
14. Flashlight Switch: Activates the built-in flashlight.



### 3.2 Dual Lens Probe

The NTS430 features a dual-lens system for comprehensive inspection:

- **Front Camera:** Provides a straight-ahead view with 6 adjustable LED lights.
- **Side Camera:** Offers a 90-degree side view with 1 additional LED light, ideal for inspecting pipe walls or internal surfaces.



Figure 4: Close-up of the dual-lens probe showing front and side cameras with LED lights.

## 4. SETUP

### 4.1 Charging the Device

Before first use, fully charge the NTS430. Connect the USB charging cable to the device's USB port and to a standard USB power adapter (not included). The 3000mAh battery provides over 4.5 hours of continuous usage when fully charged.

### 4.2 Inserting a Micro SD Card

To save photos and videos, a Micro SD card (not included) is required. Locate the Micro Card Port on the side of the monitor. Gently insert a compatible Micro SD card until it clicks into place. Ensure the card is correctly oriented to avoid damage. The device supports Class 10 Micro SD cards.

*Note: Some users have reported difficulty with card insertion or compatibility. Ensure the card is properly aligned and consider trying a different brand if issues persist.*

### 4.3 Attaching the Probe

Align the connector of the flexible probe with the Cable Interface Port on the NTS430 monitor. Gently push and twist the connector clockwise until it is securely fastened. Ensure a firm connection for stable image transmission.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Powering On/Off

Press and hold the **Turn ON / OFF** button (labeled with a power icon) for a few seconds to power the device on or off.

### 5.2 Switching Between Lenses (Split Screen View)

The NTS430 allows for simultaneous viewing from both the front and side cameras. To switch between views or activate split-screen mode:

- **Single View:** Short press the **Mode** button to cycle between Front Camera view and Side Camera view.
- **Split Screen View:** Long press the **Take Photo / Record Video** button to activate the split-screen display, showing both front and side camera feeds simultaneously. Long press again to exit split-screen mode.

# FLEXIBLE SNAKE CABLE

Bendable And Hold Its Shape

TESLONG



Other Brands



Figure 5: Example of split-screen view showing both front and side camera perspectives.

## 5.3 Adjusting LED Illumination

The probe's LED lights provide illumination in dark areas. Press the **Adjust Brightness** button to cycle through different brightness levels. The front camera has 6 LEDs, and the side camera has 1 LED.

# DUAL-LENS ENDOSCOPE

Precision Inspection with More View

1.2-3.15 inch

0.8-2.0 inch



## FRONT-VIEW CAMERA

- 70° Viewing Angle
- 6 LED Lights



## SIDE-VIEW CAMERA

- 78° Viewing Angle
- 1 LED Light

Figure 6: Illustration of adjustable LED light intensity on the endoscope probe.

## 5.4 Capturing Photos and Videos

Ensure a Micro SD card is inserted before attempting to record. In live view mode:

- **Take Photo:** Short press the **Take Photo / Record Video** button to capture a still image.
- **Record Video:** Long press the **Take Photo / Record Video** button to start video recording. Long press again to stop recording.

## 5.5 Digital Zoom and Image Rotation

- **Zoom:** Use the **Up & Zoom** button to digitally zoom in on the image.
- **Rotate:** Use the **Down & Rotate** button to rotate the image on the display.

## 5.6 Using Accessories

The included magnet hook can be attached to the endoscope probe for retrieving small metallic objects from inaccessible areas.





Figure 7: The magnet hook accessory attached to the endoscope probe.

## 6. MAINTENANCE

### 6.1 Cleaning

The probe is IP67 waterproof. After use in wet or dirty environments, wipe the probe clean with a damp cloth. For the monitor, use a soft, dry cloth. Do not use abrasive cleaners or solvents.

### 6.2 Storage

Store the NTS430 in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the probe is coiled loosely to prevent damage to the cable.

### 6.3 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

- **Device does not power on:** Ensure the battery is charged. Connect the device to a USB power source and try again.
- **No image on screen:** Check if the probe is securely connected to the monitor.
- **Poor image quality:** Adjust the LED brightness. Clean the camera lenses if they are dirty. Ensure the focus distance (2-8 cm) is appropriate for the object being viewed.
- **Cannot take photos/record videos:** Verify that a compatible Micro SD card is inserted and has sufficient free space. Reformat the Micro SD card if necessary (this will erase all data).
- **Micro SD card not recognized:** Ensure the card is inserted correctly. Try a different Micro SD card, preferably a Class 10 card from a reputable brand.

## 8. SPECIFICATIONS




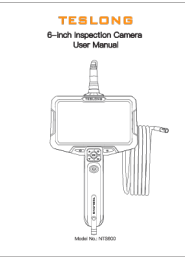


Feature	Specification
Model	NTS430
Display	4.3-inch HD IPS Display
Camera Type	Dual Lens (Front & Side)
Video Capture Resolution	1080p
LED Lights	6 (Front) + 1 (Side) adjustable
Waterproof Rating	IP67 (Probe)
Battery Capacity	3000mAh
Battery Life	Over 4.5 hours
Macro Focus Range	2-8 cm
Shooting Modes	Manual, Automatic
Exposure Control Type	Automatic Manual
Color	Black
Manufacturer	Teslong

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Teslong website. You can also visit the [Teslong Store on Amazon](#) for additional resources. Teslong is committed to customer satisfaction and provides support for product inquiries and issues.



Related Documents - NTS430

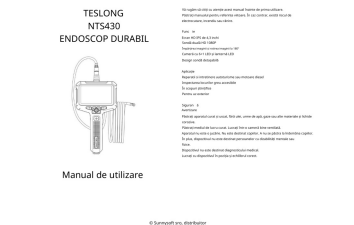
	<p><a href="#"><u>Teslong MS450-NTC Inspection Camera User Manual</u></a></p> <p>This user manual guides users through the operation of the Teslong MS450-NTC inspection camera, a 4.5-inch HD endoscope. It covers product functions, safety, maintenance, battery, language settings, and specifications for effective visual inspection.</p>
	<p><a href="#"><u>Teslong NTS430 Inspection Camera User Manual</u></a></p> <p>User manual for the Teslong NTS430 inspection camera, detailing its specifications, features, safety instructions, applications, and usage guide. Includes information on dual lenses, HD display, video recording, and TF card usage.</p>
	<p><a href="#"><u>Teslong NTS300 Inspection Camera User Manual and Guide</u></a></p> <p>Comprehensive user manual for the Teslong NTS300 inspection camera, detailing features, specifications, operating instructions, settings, and customer support.</p>
	<p><a href="#"><u>Teslong NTS600 6-inch Inspection Camera User Manual</u></a></p> <p>Comprehensive user manual for the Teslong NTS600 6-inch inspection camera, covering features, specifications, operation, safety, maintenance, and WiFi connectivity.</p>
	<p><a href="#"><u>Teslong NTG500 Digital Borescope User Manual and Product Information</u></a></p> <p>Comprehensive guide to the Teslong NTG500 Digital Borescope, detailing product specifications, usage instructions, photo/video functions, file transfer, and charging. Features a 5-inch screen for firearms enthusiasts.</p>
	<p><a href="#"><u>TESLONG NTG100H/NTG100P Rifle Borescope User Guide</u></a></p> <p>User manual for TESLONG NTG100H and NTG100P borescopes, covering product description, setup for Windows, Mac, and Android, focusing, LED adjustment, and specifications.</p>



[Teslong NTS430 Inspection Camera User Manual](#)

User manual for the Teslong NTS430 inspection camera, detailing its specifications, features, safety instructions, applications, and usage guide. Includes information on dual lenses, HD display, video recording, and TF card usage.

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