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### Teslong NTS300

# Teslong NTS300 Industrial Endoscope User Manual

MODEL: NTS300

Brand: Teslong

## Product Overview & Features

The Teslong NTS300 is a versatile industrial endoscope designed for detailed inspections in various environments. It features a dual-lens system, a high-definition display, and robust construction for reliable performance.

- **Dual Lens Inspection Camera:** Equipped with a main lens and a side lens, each with adjustable LED lights for comprehensive viewing.
- **5" 720P HD IPS Screen:** A large, clear, and durable industrial-grade screen for real-time viewing.
- **IP67 Waterproof Design:** The camera probe is waterproof, allowing for use in wet or submerged conditions.
- **Adjustable LED Lights:** Multiple high-intensity LEDs ensure clear visibility in dark inspection areas.
- **Long-Lasting Battery:** A built-in 5000mAh rechargeable battery provides approximately 4.5 hours of continuous operation.
- **User-Friendly Interface:** Simple controls and easy data transfer via USB Type-C and TF card slot.
- **Semi-Rigid Gooseneck Cable:** The flexible cable retains its shape for precise positioning during inspections.



Figure 1: Teslong NTS300 Industrial Endoscope with its flexible probe and protective carrying case.

# DUAL-LENS ENDOSCOPE

Precision Inspection With More View

1.2-3.15 inch

0.78-1.96 inch



## FRONT-VIEW CAMERA

- 70° Viewing Angle
- 6 LED Lights



## SIDE-VIEW CAMERA

- 70° Viewing Angle
- 1 LED Light

Figure 2: Close-up of the dual-lens endoscope probe, highlighting the front-view and side-view cameras with their respective LED lights.

# 5.0" IPS HD SCREEN

Plug and Play, No Need App

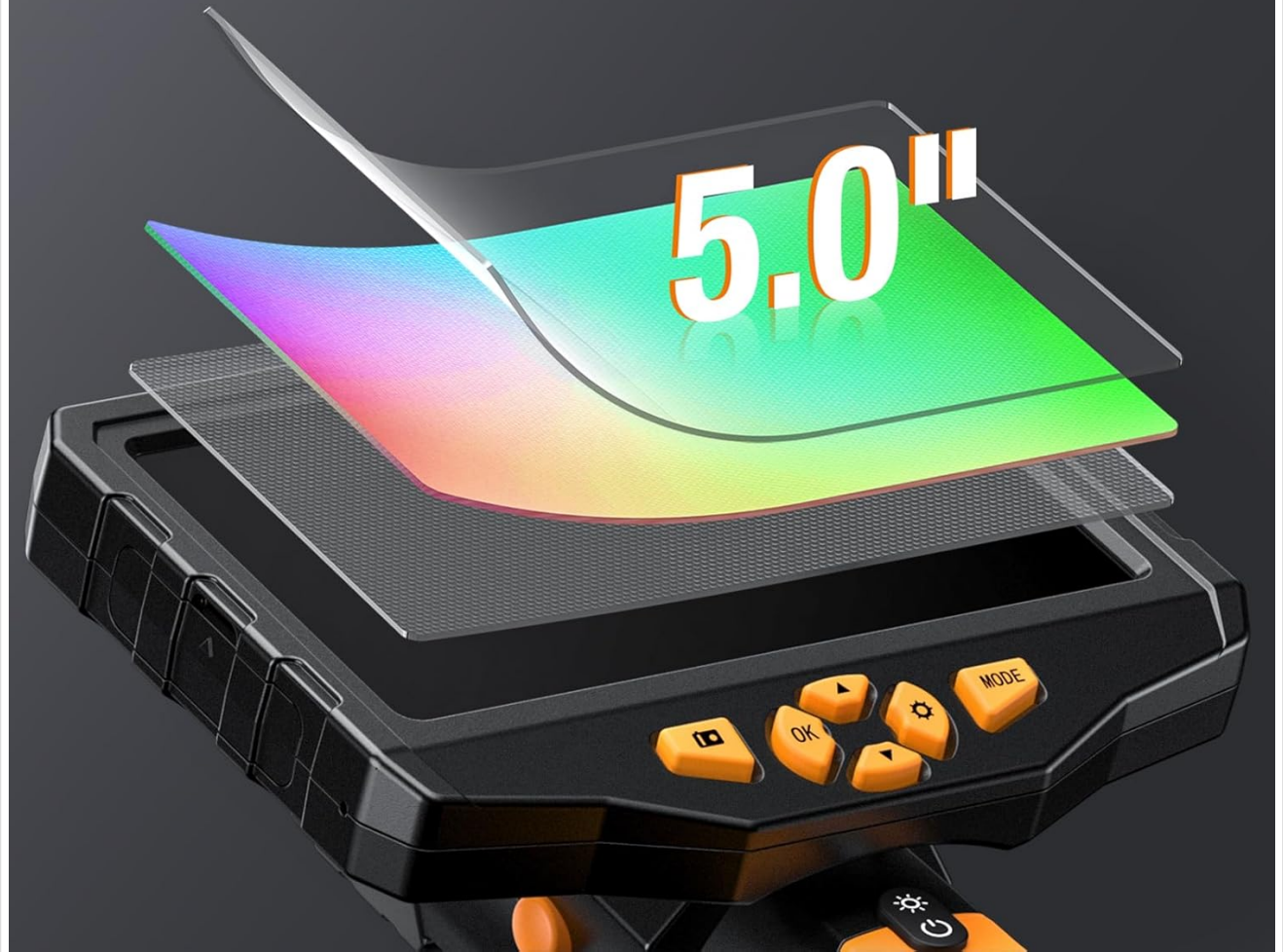


Figure 3: The 5-inch 720P HD IPS screen, designed for clear and bright image display during inspections.

## Setup

1. **Unpack Contents:** Carefully remove all components from the carrying case. Verify that the NTS300 Inspection Monitor, Camera Probe, USB-C Charging Cable, User Manual, and accessories (hook, magnet, mirror) are present.
2. **Charge Battery:** Connect the USB-C Charging Cable to the monitor's USB Type-C port and a suitable USB power adapter (not included). The battery indicator on the screen will show charging status. A full charge takes approximately 5 hours.
3. **Attach Camera Probe:** Align the connector of the camera probe with the Cable Interface Port on the top of the monitor. Gently push and twist the locking ring to secure the probe.
4. **Insert TF Card:** Locate the TF card slot on the side of the monitor. Insert the provided 32GB TF card (or your own, Class 10 or higher) until it clicks into place. This card is essential for saving photos and videos.

## Operating Instructions

1. **Power On/Off:** Press and hold the power button (marked with a power icon) on the handle to turn the device on or off.
2. **Adjust Screen Angle:** Use the button on the side of the handle to adjust the screen's tilt for optimal viewing.



- 3. **Control LED Lights:** Press the light button (marked with a lightbulb icon) on the control panel to cycle through different brightness levels for the camera's LED lights (low, medium, high, off).
- 4. **Switch Between Lenses:** The NTS300 features dual lenses. Use the dedicated button on the camera probe cable to switch between the front-view and side-view cameras.
- 5. **Take Photos:** In live view mode, press the camera icon button on the control panel to capture a still image.
- 6. **Record Videos:** Press the mode button to switch to video recording mode. Then, press the record button (usually the camera icon again, or a dedicated record button) to start/stop recording.
- 7. **Use Built-in Flashlight:** The handle features a 1W CREE LED flashlight. Use the flashlight switch on the handle to turn it on/off for additional illumination in dark areas.
- 8. **Navigate Menus:** Use the directional arrow buttons (Up, Down, Left, Right) and the OK button to navigate through the device's settings and playback options.

## Maintenance

- **Cleaning the Probe:** After use in wet or dirty environments, wipe the IP67 waterproof camera probe with a clean, damp cloth. Ensure it is dry before storage.
- **Battery Care:** Recharge the 5000mAh battery regularly to maintain its lifespan. Avoid completely draining the battery frequently. Store the device with a partial charge if not used for extended periods.
- **Storage:** Always store the NTS300 Inspection Monitor and Camera Probe in the provided carrying case to protect them from dust, moisture, and physical damage.
- **Accessory Care:** Keep the hook, magnet, and mirror accessories clean and stored securely in their designated compartments within the case.

## Troubleshooting

- **No Image on Screen:** Ensure the camera probe is securely connected to the monitor. Check if the battery is charged.
- **Poor Image Quality:** Adjust the LED light brightness. Clean the camera lens if it appears dirty. Ensure the focus range (30-100mm for main, 20-60mm for side) is appropriate for your inspection distance.
- **Device Not Responding:** Try resetting the device by locating the small reset button (often recessed) and pressing it with a thin object like a paperclip.
- **Cannot Save Photos/Videos:** Verify that a TF card is inserted correctly and has sufficient free space. Ensure the card is Class 10 or higher.

## Specifications

Feature	Detail
Model Number	NTS300
Display	5" IPS HD (1280x720)
Camera Lenses	Dual Lens (Front & Side)
Main Lens Focus Range	30-100mm
Side Lens Focus Range	20-60mm
Waterproof Rating	IP67 (Camera Probe)
Battery	5000mAh Rechargeable Lithium Ion
Working Time	Approx. 4.5 hours

Charging Time	Approx. 5 hours
Video Capture Resolution	1080p
Media Type	Micro SD Card (up to 32GB)
Operating Temperature	32°F to 113°F (0°C to 45°C)

## Official Product Videos

Watch official product videos for demonstrations and usage tips.

Video 1: A Test for inspecting swimming pool of Teslong NTS300 Dual Lens. This video demonstrates the NTS300's capabilities in a wet environment, showcasing its waterproof probe and dual-lens functionality for inspecting hard-to-reach areas in a swimming pool.




Video 2: NTS300 inspection camera. This video provides a general overview of the NTS300 inspection camera, highlighting its features and potential applications in various inspection scenarios.



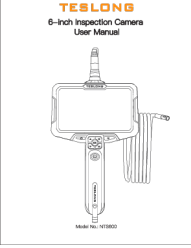
## Warranty & Support

For detailed warranty information and further support, please refer to the official documentation provided with your product or visit the Teslong brand store.

- User Guide (PDF): [Download User Guide](#)
- Safety Information (PDF): [Download Safety Information](#)
- Teslong Brand Store: [Visit Store](#)

### Related Documents - NTS300

	<a href="#">Teslong NTS300 Inspection Camera User Manual and Guide</a> Comprehensive user manual for the Teslong NTS300 inspection camera, detailing features, specifications, operating instructions, settings, and customer support.
	<a href="#">Teslong MS450-NTC Inspection Camera User Manual</a> 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.
	<a href="#">Teslong NTS430 Inspection Camera User Manual</a> 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><a href="#">Teslong TD450S Articulating Borescope User Manual</a></p> <p>User manual for the Teslong TD450S articulating borescope, providing detailed instructions on its use, features, specifications, and maintenance. Ideal for automotive and professional inspections.</p>
	<p><a href="#">TESLONG NTS300 Digital Inspection System User Manual</a></p> <p>User manual for the TESLONG NTS300 Digital Inspection System, detailing its features, applications, safety precautions, and operating instructions.</p>
	<p><a href="#">Teslong NTS600 6-inch Inspection Camera User Manual</a></p> <p>Comprehensive user manual for the Teslong NTS600 6-inch inspection camera, covering features, specifications, operation, safety, maintenance, and WiFi connectivity.</p>