

Teslong NTS500-5.5-3M-DL

Teslong NTS500 Dual Lens Endoscope User Manual

Model: NTS500-5.5-3M-DL

1. Safety Information

This inspection camera is mainly used for industrial machinery inspection or house pipeline inspection. It is not intended for medical purposes, nor should it be used as a children's toy. Always operate the device in accordance with local regulations and safety guidelines.

2. Product Overview

The Teslong NTS500 Dual Lens Endoscope is a versatile industrial inspection tool designed for detailed visual inspection in hard-to-reach areas. Featuring a 5-inch IPS LCD screen and dual camera lenses, it provides clear images and videos for various applications.

Key Features:

- **Dual Lenses:** Equipped with both front-view and side-view cameras for comprehensive inspection without additional mirrors.
- **5" 720P IPS Screen:** A large, high-resolution display for clear and detailed observation.
- **IP67 Waterproof:** The probe is rated IP67 for use in wet and inclement environments.
- **Adjustable LED Lights:** Six LED lights on the front camera and one on the side camera provide adjustable brightness for optimal illumination in dark spaces.
- **Built-in Flashlight:** Additional lighting on the main unit for working in dark environments.
- **Photo & Video Recording:** Capture high-quality images and videos with audio for documentation and analysis.
- **Built-in Memory Card:** Comes with a 32GB MicroSD card for ample storage of inspection data.
- **Rechargeable Battery:** Integrated 3500mAh battery provides up to 5 hours of continuous operation.
- **Carrying Case:** Durable case for convenient storage and transport of the device and accessories.



Figure 2.1: Teslong NTS500 Endoscope Main Unit and Probe.

3. What's in the Box

- Teslong NTS500 Main Unit
- Dual Lens Probe (9.8FT / 3M length)
- USB Charging Cable
- 32GB MicroSD Card (pre-installed)
- User Manual
- Carrying Case



Figure 3.1: All components included in the Teslong NTS500 package.

4. Setup Guide

4.1 Charging the Device

Before first use, fully charge the Teslong NTS500 unit. Connect the provided USB charging cable to the charging/data slot on the main unit and plug the other end into a compatible USB power adapter (not included).

4.2 Inserting the MicroSD Card

The 32GB MicroSD card is typically pre-installed. If not, locate the MicroSD slot on the side of the unit and insert the card with the gold contacts facing down until it clicks into place.

4.3 Connecting the Probe

1. Align the connector of the dual lens probe with the port on the top of the main unit.

2. Gently push the probe connector into the port until it is securely seated.
3. Twist the locking ring on the probe connector clockwise to secure it.



Figure 4.1: The slim 0.21-inch probe easily connects to the main unit.

5. Operating Instructions

5.1 Powering On/Off

Press and hold the Power Button (green button on the front) for a few seconds to turn the device On or Off.

5.2 Switching Lenses

The Teslong NTS500 features dual lenses (front and side). Press the 'Switch Lens' button on the probe cable to toggle between the front-view and side-view cameras.

DUAL-LENS ENDOSCOPE

Precision Inspection with More View



Figure 5.1: The dual lens system provides both front and side views for comprehensive inspection.

5.3 Adjusting LED Brightness

Use the 'Adjust Light Brightness' button (sun icon) on the main unit to cycle through different brightness levels for the probe's LED lights. The side camera has its own illumination.

ADJUSTABLE LEDS

Clear illumination for Versatile Applications



Figure 5.2: The probe features adjustable LED lights for clear visibility in various conditions.

5.4 Capturing Photos and Videos

In live view mode, press the 'Capture Image/Take Video' (camera icon) button to take a photo. To record a video, press the 'M' button to switch to video mode, then press the 'OK' button to start/stop recording.

5.5 Playback

To review captured media, press the 'M' button to enter playback mode. Use the Up/Down arrow buttons to navigate through photos and videos. Press 'OK' to view a selected item.



Figure 5.3: Control panel showing buttons for light adjustment, capture, navigation, and menu.

5.6 Official Product Videos

Video 5.1: Official product overview of the Teslong NTS500 Industrial Waterproof Borescope, demonstrating its features and applications.

Video 5.2: A concise demonstration of the TESLONG NTS500 Industrial endoscope in action.

Video 5.3: Real-world test of the Teslong NTS500 Endoscope with 5mm and 8mm probes, showcasing its performance in various scenarios.

6. Maintenance and Care

6.1 Cleaning the Probe

After each use, especially in dirty or wet environments, gently wipe the probe with a soft, damp cloth. For stubborn grime, a mild detergent can be used. Ensure the probe is completely dry before storage.

6.2 Storage

Store the endoscope and all accessories in the provided carrying case. Keep the device in a cool, dry place away from direct sunlight and extreme temperatures.

6.3 Battery Care

To prolong battery life, avoid fully discharging the unit frequently. Recharge the battery regularly, even if the device is not in use for extended periods.

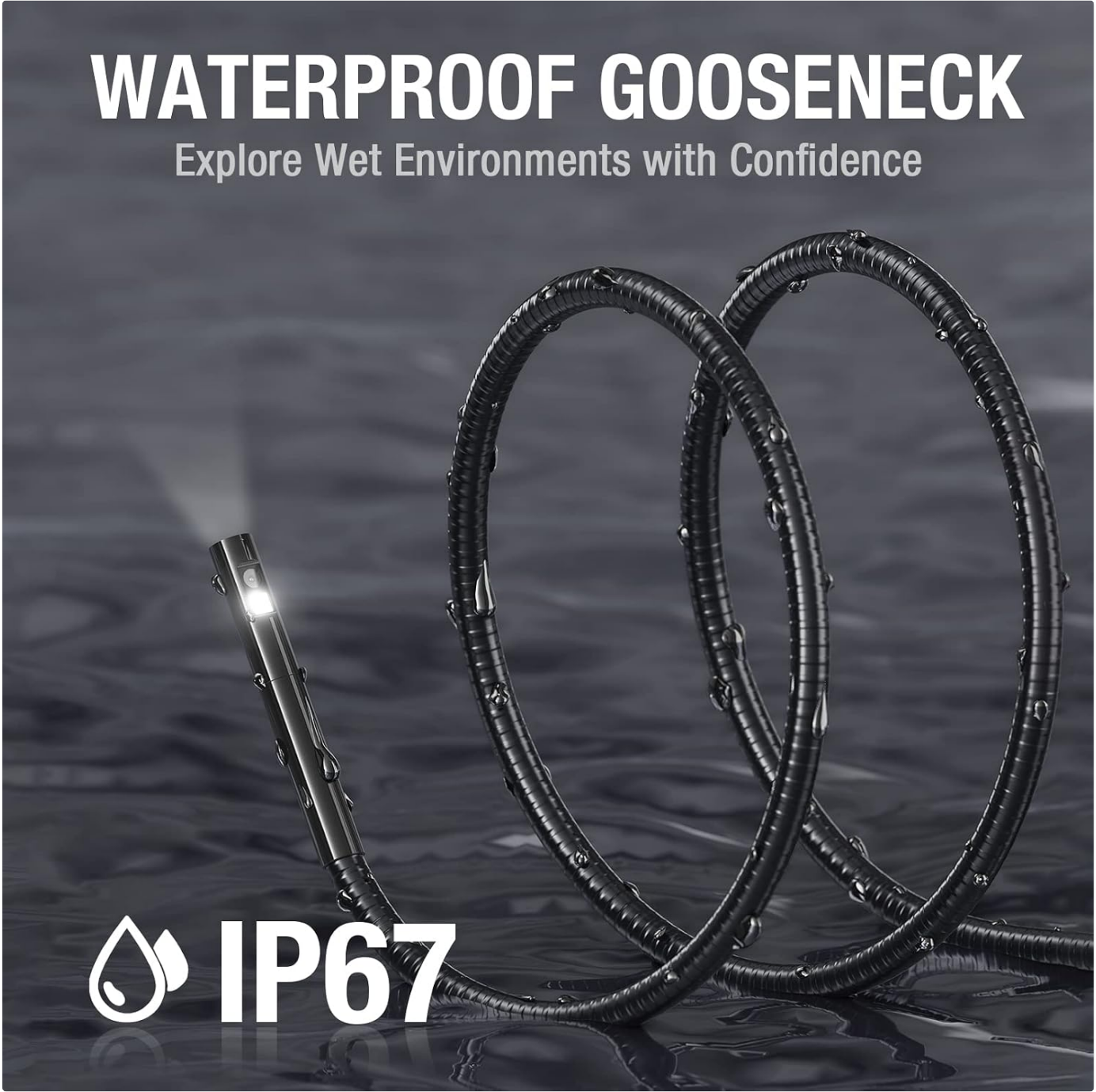


Figure 6.1: The IP67 waterproof probe allows for inspection in wet conditions, but proper cleaning and drying are essential.

7. Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.
No image on screen.	Probe not connected properly.	Ensure the probe is securely connected and locked.
Image is blurry.	Lens is dirty or focus distance is incorrect.	Clean the lens. Adjust the distance between the probe and the object (optimal focus is 1.2-4.0 inches).
Cannot record photos/videos.	MicroSD card issue (full, corrupted, or not formatted).	Check MicroSD card storage. Format the card (this will erase all data). Replace the card if corrupted.
Device powers off when attempting to capture/record.	Possible MicroSD card issue or low battery.	Ensure battery is fully charged. Reformat or replace the MicroSD card. (Refer to customer video for similar issue: Bad SD Card Issue)

8. Specifications

Feature	Detail
Model Number	NTS500-5.5-3M-DL
Screen Size	5-inch IPS LCD
Video Capture Resolution	720p (Display), 1080p (Recording)
Probe Diameter	0.21 inches (5.5mm)
Probe Length	9.8 feet (3 meters)
Waterproof Rating	IP67 (Probe)
Battery	3500mAh Lithium Polymer (included)
Item Weight	1.21 pounds
Media Type	MicroSD Card (32GB included)
Manufacturer	Teslong

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided on the Teslong official website or the product packaging. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question