Teslong TSNTG500H

Teslong Rigid Rifle Borescope with 5" Monitor (Model: TSNTG500H)

User Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your Teslong Rigid Rifle Borescope Model TSNTG500H. This device is designed for inspecting the interior of rifle barrels, aiding in cleaning regimen evaluation and firearm problem diagnosis. Please read this manual thoroughly before use and retain it for future reference.

Image: The Teslong Rigid Rifle Borescope in use, showing the monitor displaying the bore's interior.

2. PACKAGE CONTENTS

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

- Teslong NTG500H Rifle Borescope with 5-inch IPS Screen
- Rigid Camera Probe (26-inch long, 0.2-inch diameter)
- Aviation to USB-C Cable
- Aviation to USB-A Cable
- USB-A to USB-C Cable (for charging and data transfer)
- Monitor Stand
- Set of 5 Side-View Mirrors (5mm, 6mm, 7mm, 8.5mm, 10mm)
- 32GB Micro SD Card (pre-installed)
- User Manual (this document)

PLUG AND PLAY, EASY TO USE

IPS
IPS Screen

5"
5-inch

32GB Memory Card

3500mAh Battery

Take Photo&Video

Build-in Microphone

Image: Overview of the Teslong Borescope components and accessories.

3. PRODUCT OVERVIEW

3.1. Monitor Features

The 5-inch HD color IPS LCD screen provides a clear view of the inspection area. It features intuitive controls for operation.

- **Power Button:** Turns the device on/off.
- **Mode Button (M):** Switches between Photo, Video, and Playback modes.
- **OK/Enter Button:** Confirms selections.
- **Settings Button (Gear Icon):** Accesses device settings.
- **Lights Button (Sun Icon):** Adjusts LED brightness (3 levels) or turns lights off.
- **Up/Down Arrows:** Navigates menus and adjusts settings.
- **USB-C Port:** For charging and connecting to a computer.
- **Micro SD Card Slot:** For storing images and videos (32GB card included).
- **Probe Lock:** Secures the camera probe connection.
- **Speaker:** For audio playback.
- **Stand Mount:** For attaching the monitor stand.

- **Reset Button:** Resets the device.

LED
FLASHLIGHT
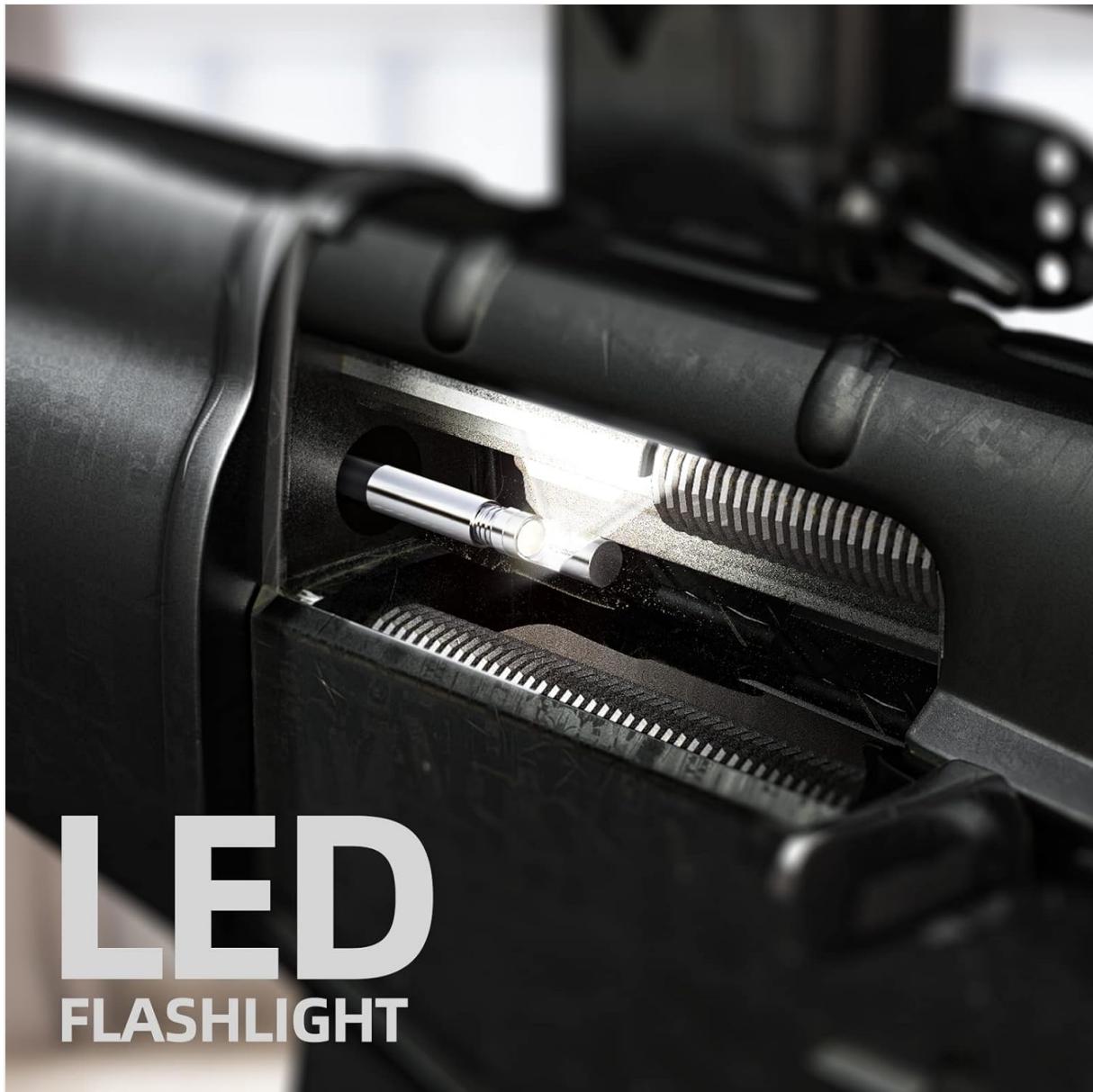
Image: The Teslong Borescope monitor highlighting its various buttons and ports.

3.2. Camera Probe Features

The rigid probe is specifically designed for rifle barrel inspection.

- **Rigid Tube:** 26-inch long for stable insertion.
- **Small Diameter:** 0.2-inch diameter fits .20 caliber and larger barrels.
- **LED Ring Light:** Six adjustable LED lights illuminate dark inspection areas.
- **Side-View Mirror:** Detachable 90° mirror for inspecting barrel walls. Includes various sizes for different calibers.
- **Inch Scale:** Laser-marked scale on the probe for depth measurement.

RIGID TUBE
easy to scope your bore

26 in

Diameter
0.2inch

Inch Scale

Image: The rigid probe of the borescope, illustrating its length and diameter.

4. SETUP

1. **Charge the Monitor:** If the battery indicator is low, connect the monitor to a power source using the USB-A to USB-C cable.
2. **Insert Micro SD Card:** Ensure the 32GB Micro SD card is properly inserted into the slot on the bottom of the monitor.
3. **Connect Probe:**
   - Thread the Aviation to USB-C cable onto the camera probe.
   - Plug the other end of the cable into the probe port on top of the monitor.
   - Secure the connection using the probe lock.
4. **Remove Protective Tip:** Carefully remove the black protective tip from the end of the probe.
5. **Attach Side-View Mirror (Optional):** If side-view inspection is required, select the appropriate caliber mirror and carefully screw it onto the threaded end of the probe. Use the lock ring to secure it in place once focus is achieved.

Your browser does not support the video tag.

Video: A detailed instruction video on setting up and using the Teslong Rigid Rifle Borescope.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off

Press and hold the **Power Button** (green button) for a few seconds to turn the monitor on or off. The Teslong logo will appear, and the probe's ring light will illuminate.

5.2. Mode Switching

Press the **Mode Button (M)** to cycle through the following modes:

- **Photo Mode:** For capturing still images.
- **Video Mode:** For recording video footage.
- **Playback Mode:** For reviewing captured photos and videos.

5.3. Light Adjustment

Press the **Lights Button (Sun Icon)** to adjust the brightness of the LED ring light on the probe. There are three brightness levels, and you can also turn the lights off.

5.4. Image and Video Capture

1. Ensure the probe is inserted into the barrel and positioned correctly.
2. Switch to **Photo Mode** or **Video Mode** using the **Mode Button (M)**.
3. Press the **OK/Enter Button** to capture a photo or start/stop video recording. A timecode will appear on the screen when recording video.

Image: The borescope monitor showing a detailed view of a rifle barrel's interior.

5.5. Mirror Installation and Adjustment

The borescope comes with various side-view mirrors to inspect barrel walls. The probe has a fixed focal distance of approximately 10mm for direct viewing. When using a mirror, the focus is adjusted by how far the mirror is threaded onto the probe.

- For smaller caliber barrels (e.g., .22 caliber), position the mirror farther away from the lens.
- For larger caliber barrels (e.g., .30 caliber), move the mirror closer to the lens to achieve sharp focus.
- Use the small lock ring on the threads to secure the mirror in place once the desired focus is achieved.

REMOVABLE MIRRORS
Fit Different Caliber Rifle

Borescope Camera   Locking Ring   Side-View Mirror

5mm   6mm   7mm   8.5mm   10mm
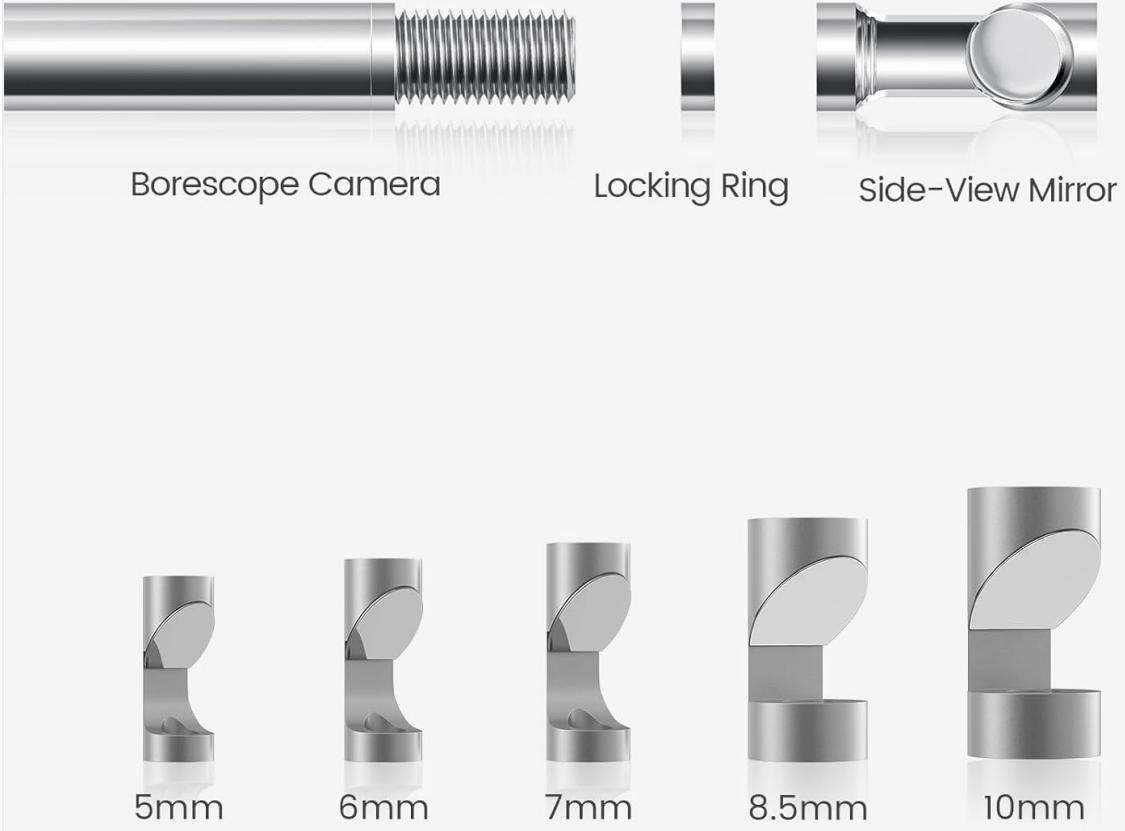
Image: A selection of removable side-view mirrors for various caliber rifles.

Your browser does not support the video tag.

Video: A demonstration of how to attach and adjust the side-view mirrors for optimal focus.

6. DATA TRANSFER

There are two primary methods to transfer photos and videos from your borescope to a computer:

1. **Direct Connection:**

   - Connect the monitor to your computer using the provided USB-A to USB-C cable.
   - Turn on the monitor. Your computer should recognize the device as a removable drive.
   - Navigate to the "DCIM" folder to access your stored photos and videos. You can then drag and drop them to your computer.

2. **Micro SD Card Reader:**

   - Carefully remove the Micro SD card from the monitor's slot.
   - Insert the Micro SD card into a compatible card reader connected to your computer.
   - Access the "DCIM" folder on the card to transfer your files.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your borescope:

- **Cleaning the Lens and Mirrors:** Always clean the camera lens and any attached mirrors before and after each use. Use a soft microfiber cloth and a cotton swab. For stubborn stains, warm water or rubbing alcohol can be used. **Do not use stronger solvents** as they may damage the lens or mirror coatings.
- **Cleaning the Monitor:** Wipe the monitor screen and case with a microfiber cloth and a few drops of warm water or rubbing alcohol to remove dust and fingerprints.
- **Storage:** Store the borescope and its accessories in the provided protective case in a cool, dry place when not in use.

8. Troubleshooting

- **Device Not Turning On:** Ensure the monitor is fully charged. If the battery indicator is low, connect it to a power source.
- **No Image on Screen:** Verify that the camera probe is securely connected to the monitor and the probe lock is engaged. Check if the LED lights are on.
- **Blurry Image:** If using a side-view mirror, adjust its position by threading it closer or farther from the lens until a clear image is achieved. Ensure the lens and mirror are clean.
- **Cannot Transfer Files to Computer:** Ensure the monitor is turned on when connected to the computer. If it's off, it will only charge. Try using a different USB port or a Micro SD card reader.
- **Device Unresponsive:** Use a small pin to press the **Reset Button** located on the back of the monitor.

9. Specifications

Feature	Specification
Model	TSNTG500H
Screen Size	5-inch IPS Display
Probe Type	Rigid
Probe Length	26 inches
Probe Diameter	0.2 inches (fits .20 caliber & larger)
Video Capture Resolution	1080p
Storage	32GB Micro SD Card (included)
Battery	1 A battery required (included)
Macro Focus Range	1-10 cm
Color	Black
Item Weight	2.29 pounds

|	
Package Dimensions	30.75 x 4.25 x 2 inches

10. WARRANTY AND SUPPORT

Teslong products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the official Teslong website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

For additional resources and product information, visit the Teslong Store on Amazon.

Related Documents - TSNTG500H

	[Teslong NTG450H Rifle Borescope User Manual and Specifications](#) Comprehensive user manual for the Teslong NTG450H Rifle Borescope, detailing its features, functions, safety guidelines, specifications, and customer service information. Designed for firearm inspection and maintenance.
	[TESLONG NTG100H/NTG100P Rifle Borescope User Guide](#) User manual for TESLONG NTG100H and NTG100P borescopes, covering product description, setup for Windows, Mac, and Android, focusing, LED adjustment, and specifications.
	[Teslong NTG USB Borescope User Manual - Inspection Camera Guide](#) This user manual provides detailed instructions for the Teslong NTG100, NTG100H, and NTG100P USB Borescopes. Learn about product specifications, setup, software usage for Windows, macOS, and Android, and customer support.
	[Teslong NTG100 Rifle Borescope User Manual - Inspection Camera Guide](#) Comprehensive user manual for the Teslong NTG100 Rifle Borescope. Learn how to connect, use with Windows, Mac, and Android devices, and view specifications for this inspection camera.
	[Teslong NTG Digital Borescope User Manual](#) User manual for the Teslong NTG Digital Borescope series (NTG450, NTG450H, NTG450P), detailing product specifications, features, operation, software use, file transfer, and charging.
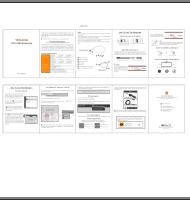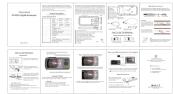
[Teslong NTG500 Digital Borescope User Manual and Product Information](#)

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.