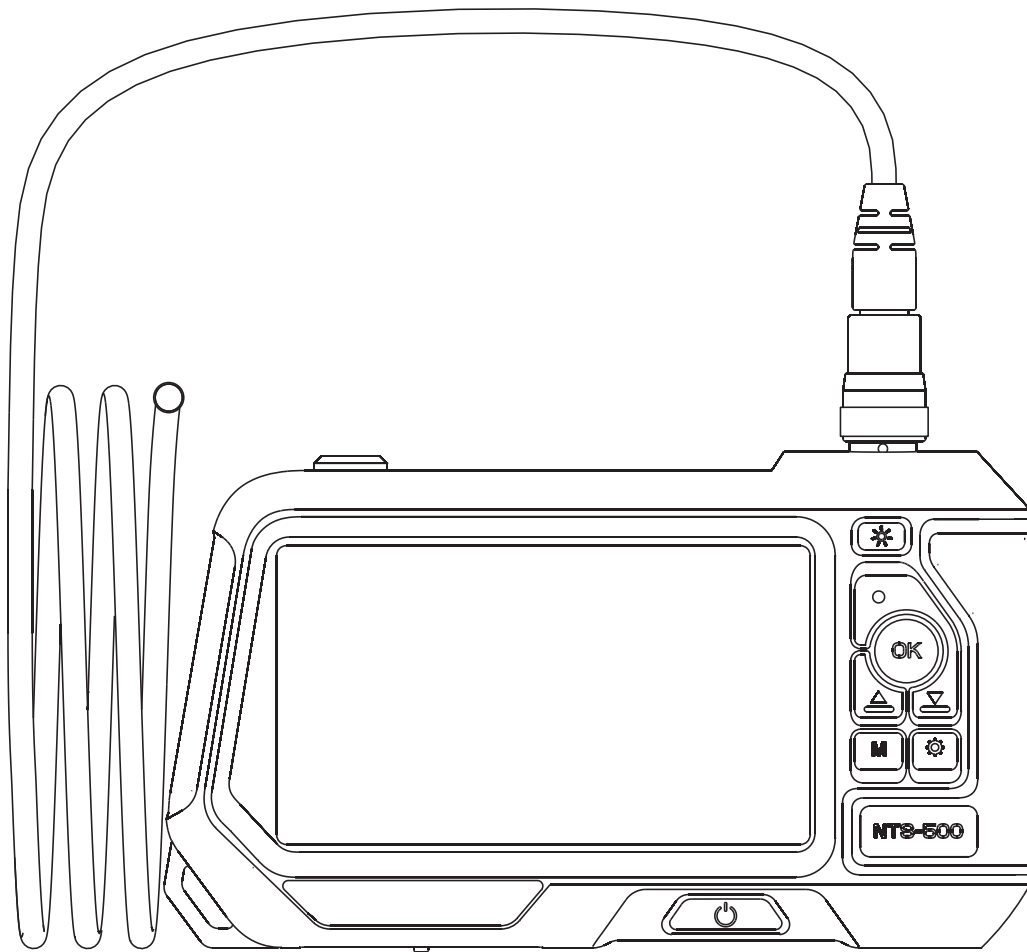




Industrial Borescope User Manual




Model No.: NTS500

■ Product Manual

The NTS500 is a high performance industrial borescope with a 5-inch high definition color LCD, It is ergonomically designed so that the main function buttons can be controlled with one hand. The snapshot and recording functions are supported, while the photos and videos are saved to a TF memory card (micro-SD card). This product integrates high-brightness illumination, a quick-access flashlight and a 6-LED ringlight for the camera probe, so that the product can be used in dark environment. The built-in 3500mAh rechargeable lithium battery has a working time of up to 4 hours.

The camera probe is interchangeable, it can be swapped for different probes with alternate lengths, diameters, view angles and focal lengths.

 Warning: This product is an industrial borescope camera and is not intended for medical use or human examination.

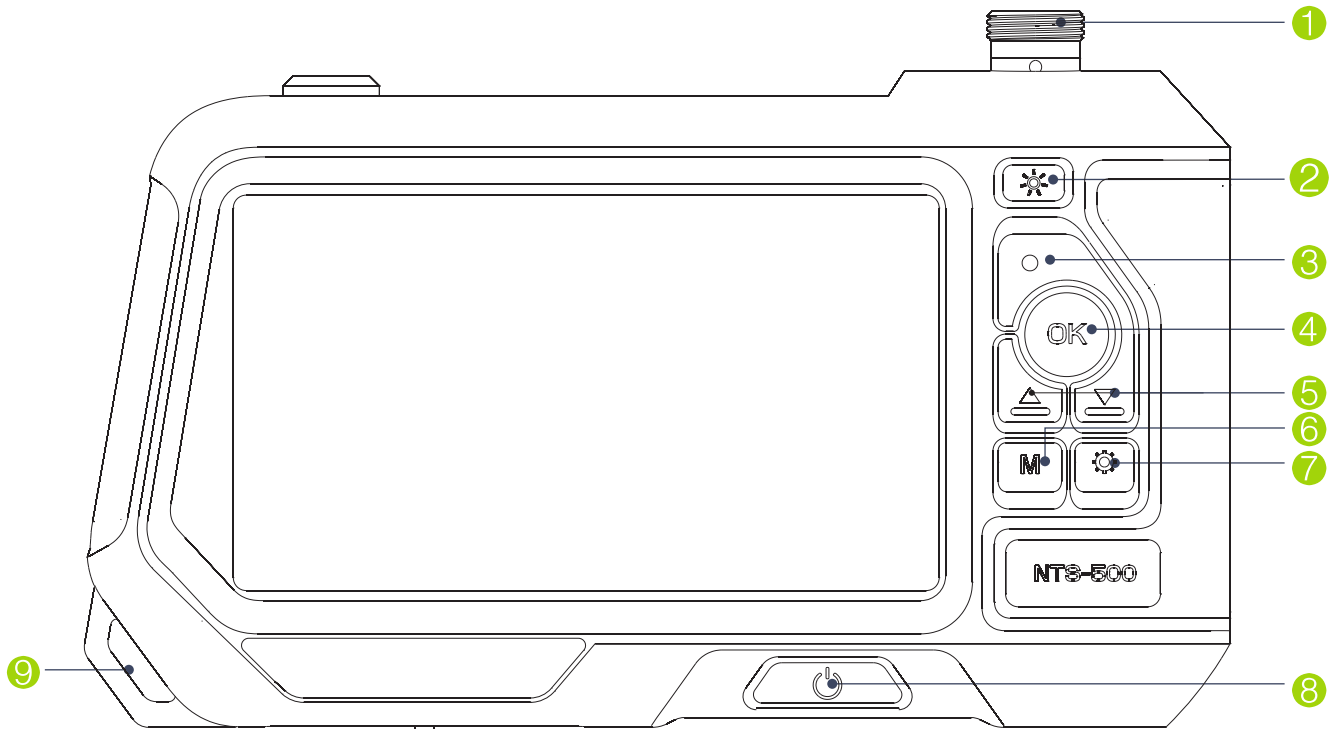
■ Safety and Maintenance

- Please avoid hitting the camera probe, and do not pull on the cable.
- The camera probe is covered in a waterproof protective layer. Please avoid damaging this layer as best possible.
- The camera probe is temperature sensitive and should not exceed an temperature above 113°F (45°C). Take care when inspecting automotive engines to make sure the engine has cooled.
- Keep the tool dry, clean, free from oil, water, gas or other materials that may cause corrosion.
- This appliance is not intended to be used by people with limited physical, sensory or mental capabilities. This appliance is not intended for medical use.
- Keep bystanders or children away while operating the tool.
- If the device is damaged, do not disassemble it. Please contact Teslong customer service – see last page of this manual.

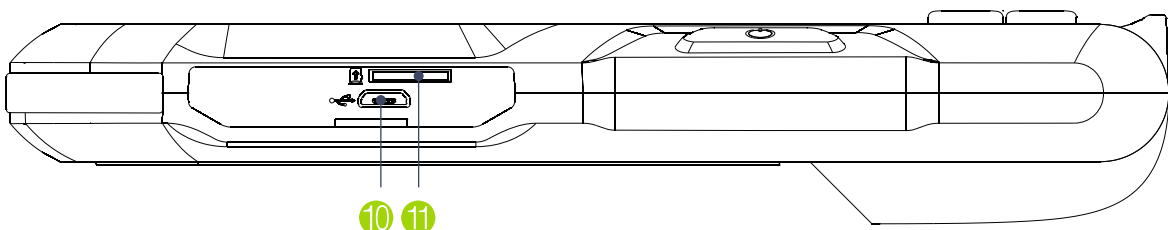
■ Battery Description

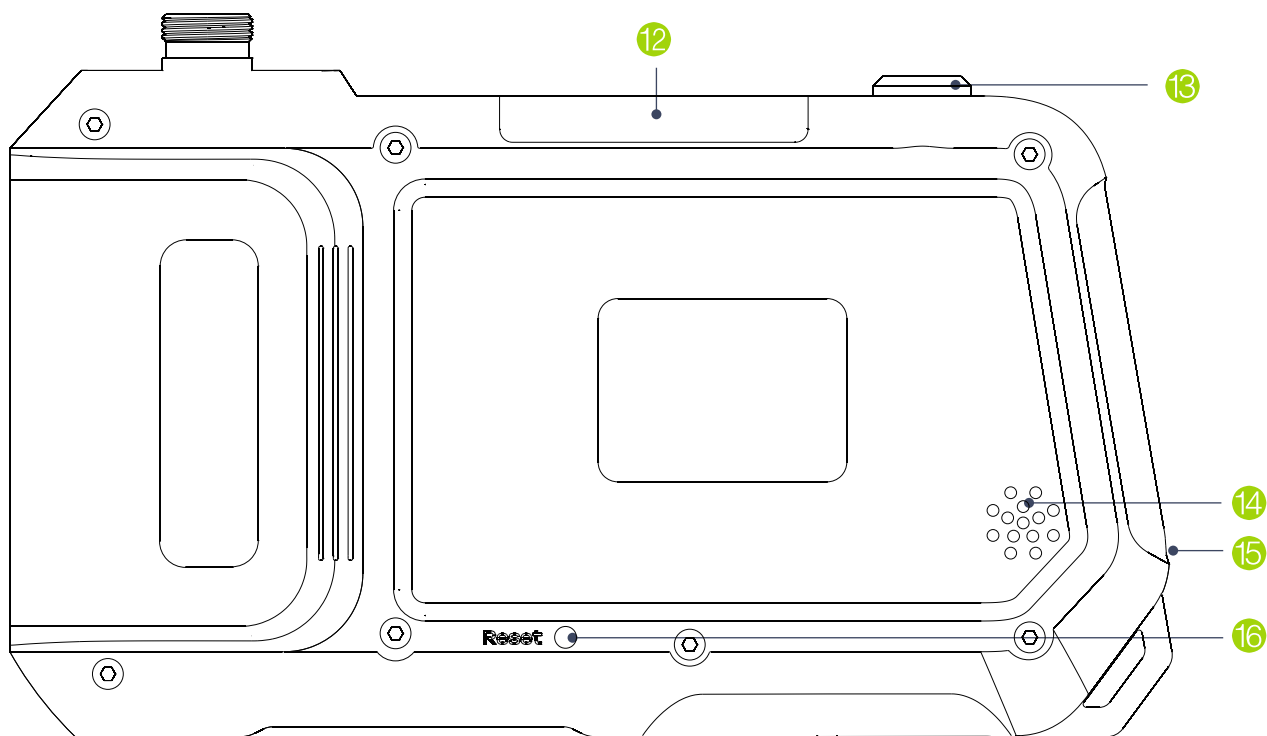
- Please use a **5V** household charger that meets the safety regulations to charge this device.
- This device can work while charging.
- If you do not use the device for a long time, please ensure that it is charged at least once every 3 months to prevent irreparable damage caused by excessive battery discharge.

■ Functions



- ① Camera probe connector
- ② Light control button: Adjust the LEDs brightness of the camera
- ③ Snap button: Take a photo or start/end video recording
- ④ Enter button: Confirm selection/Freeze screen
- ⑤ Up and down selection button
- ⑥ Switch between three modes: Photo taking, Video recording and Playback
- ⑦ Settings button: Enter/exit settings menu
- ⑧ Power button: Long press to turn on/off
- ⑨ Hanging ring
- ⑩ Charging port
- ⑪ TF card slot





12 Flashlight

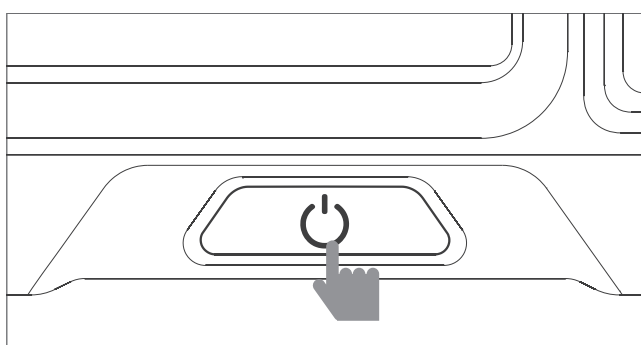
13 Flashlight On/Off Switch

14 Speaker

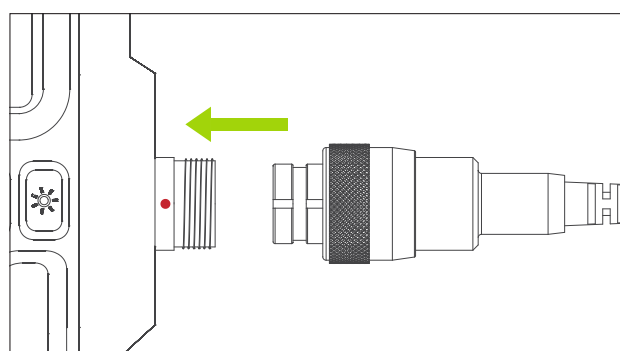
15 Microphone

16 Reset

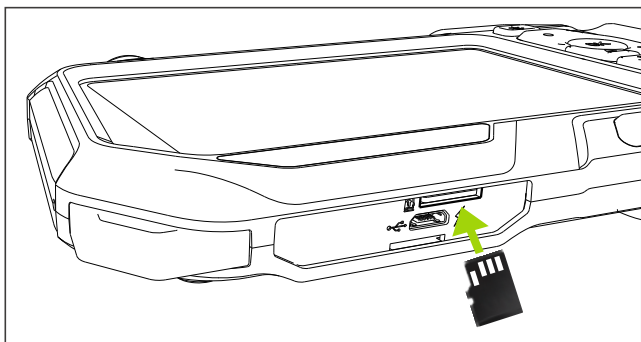
■ Instructions



Turn ON/OFF
(Press and hold the POWER button
for a few seconds)

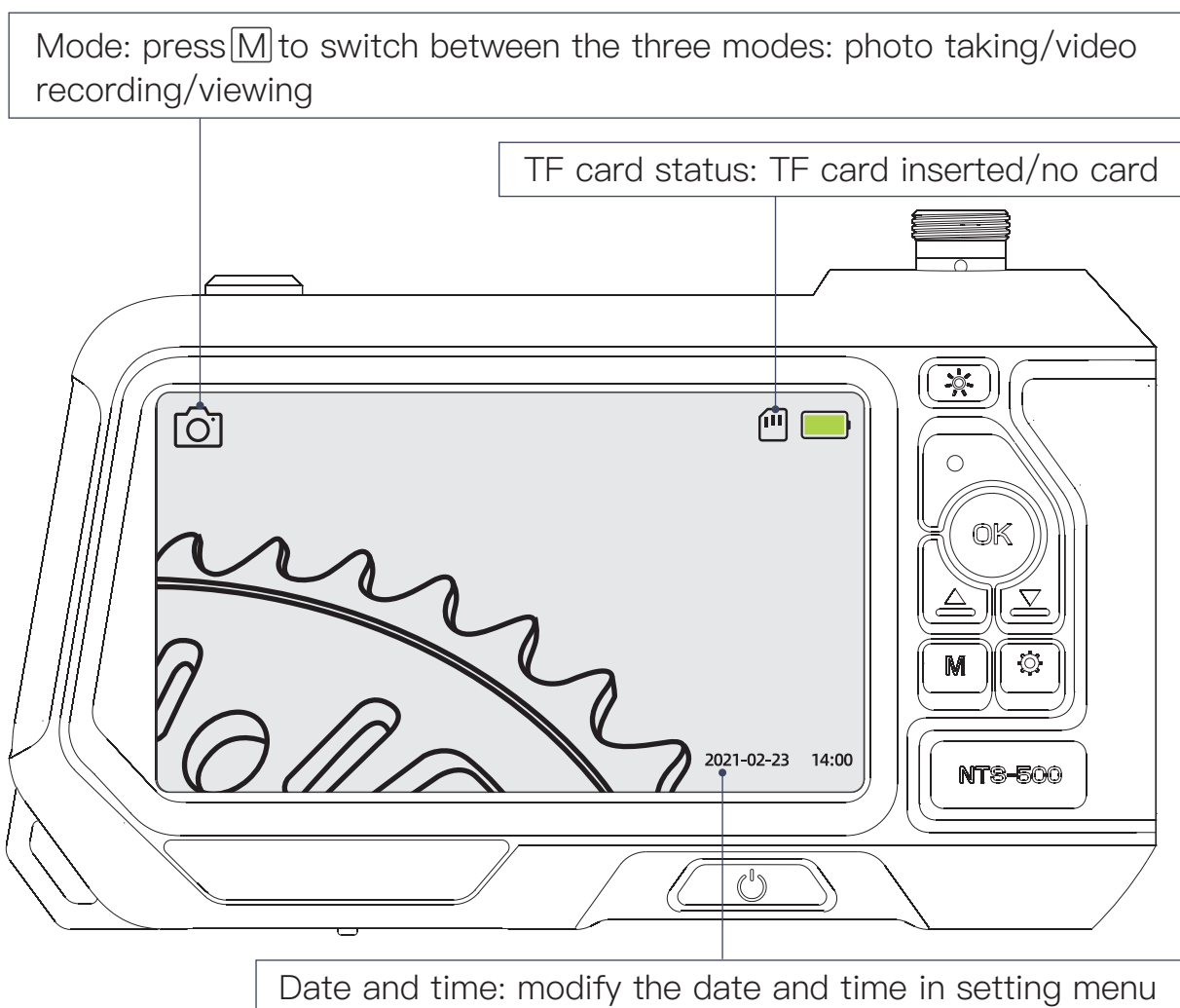


Connect the cable to the monitor (Make
sure the camera is properly connected to
prevent noisy image on the screen)



The device is equipped with a TF memory card (inserted). Gently press to eject the card



- Power off the device first before inserting TF card.
- Make sure the orientation of the TF card is correct before inserting.
- Do not use excessive pressure when inserting or removing the TF card.
- Only take photos or record videos when a TF card is inserted.
- This device requires Class 10 high speed TF card and it will not be able to work properly with Class 4 low speed card.



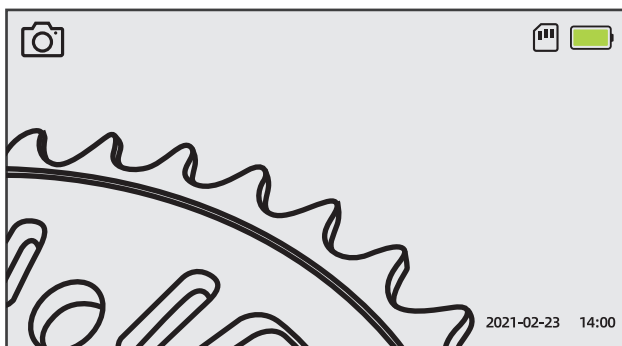
■ Language Settings



The default language is English, and the system supports English, Chinese, German, French, Spanish, Italian, Russian and Japanese.

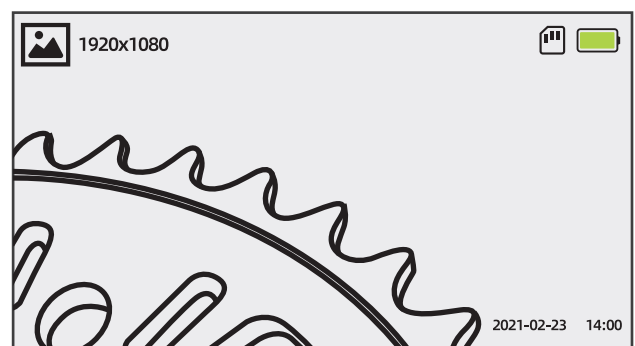
Setting path:





1. Press the  button twice to enter setting page
2. Select second item (Language) on settings page
3. Press up and down keys to select the language
4. Press  to save your choice

■ Photo Taking / Video Recording / Playback

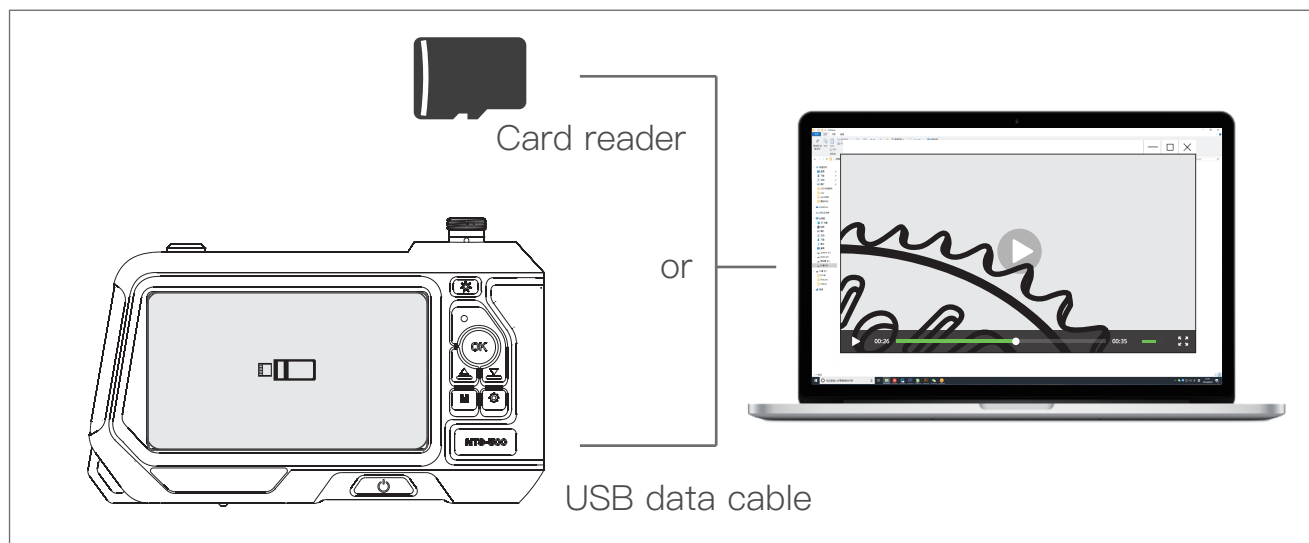


Press  to switch between the “take photo” or “video recording” mode, and press  to take a photo or start recording.



Press  to switch to playback mode, press   to select a photo or a video to view, and press  to delete.

■ Copy photo and video files to a computer



1. Use a TF card reader to copy data directly.
2. Use a USB cable to connect to a computer for copying & charging.

 Pull out probe camera first before using USB cable.

■ Specifications

Screen

Screen: 5 inches color LCD

Screen resolution (pixels): 1280x720

Probe resolution (pixels): 1280x720

Image resolution (pixels): 1920x1080

Video recording resolution (pixels): 1280x720

Port: Micro USB charging port, TF memory card slot

Camera

Diameter: 7.9mm or optional

Cable Length: optional

Resolution: 1.0 Megapixel

Viewing Angle: 70°

Depth of Field: Front camera A: 1.2–4.0 inches (30mm–100mm),

Side camera B: 0.8–2.4 inches (20mm–60mm),

Side camera C: 0.6–2.4 inches (15mm–30mm)

Light Source: 6 adjustable high-intensity LEDs

Waterproof: IP67

Others

LED flashlight: 1W CREE LED

Battery: 3500mAh rechargeable lithium battery

Battery life: 2–4 hours

Operating temperature: 32°F~113°F (0°C–45° C)

Charging time: 3–4 hours (if USB 5V $\overline{=}$ 1A charger)

Certificate: CE FCC ROHS

Languages: English, Chinese, German, French, Spanish, Italian, Russian, Japanese

Includes

Borescope Device, Cable with probe, Micro-USB charging cable, User manual, Protective case.