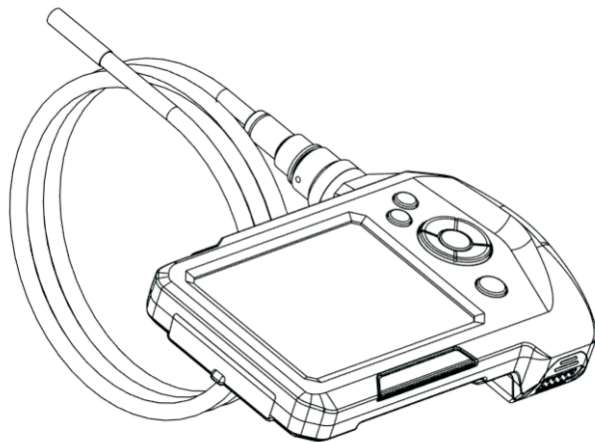


User Manual

Digital Inspection System



FC CE vRoHS



© TESLONG NTS150 V201903-1

MADE IN CHINA

Product Overview

This new Digital Video Recording Endoscope is a portable, hand-held, multifunctional inspection system featuring a 3.5 inch full color LCD screen with powerful recording capability, Users can capture images (JPG) or videos (AVI) on the TF card with 720P HD resolution. With ergonomic and robust design, users can control all the keys with one hand easily and the silicon buttons with backlight offers extra comfort. The built-in 2600mAh rechargeable lithium battery provides up to 6 working hours. In addition, the overall reinforced structures ensures stability under heavy duty.

The device has a small diameter probe with 6 adjustable LED lights, high performance camera module offering crystal clear output. Furthermore, it has an integrated flash light for dark area working assistance.

Applications

This premier tool is an economical solution for:

- Automotive / Diesel Repair and Maintenance.
- Inspection of hard-to-reach or hard-to-see area or equipment.
- Plumbing, construction, restoration applications.
- Science Education.
- Outdoor Exploration.

Features

- View live inspection video instantly on the 3.5 inch QVGA color LCD screen.
- Photo taking and Video capturing.
- 2x zoom and 180° image flip.
- 5.5mm or optional diameter camera with high sensitivity for low-light 720P HD camera chip in the tip.
- Interchangeable camera.
- Powerful LEDs assisting dark area work.
- High capacity rechargeable lithium battery.

Safety



WARNING! Please read all safety warnings and all instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire and serious injury.

- Keep the tool dry, clean, free from oil, water, gas or other materials causing corrosion.
- Keep work area clean and well lit.
- This appliance is not intended for use by persons with limited physical, sensory or mental capabilities.
- This appliance is not intended for medical use or personal inspection.
- Keep bystanders, children away while operating the tool.
- Do not overreach, keep proper footing and balance at all times.

Battery

- Only use 5V indoor home use USB charger to charge the device.
- Please charge the device at least once every 3 months if it is left unused for a long time to prevent damage to the battery.
- Follow the instructions on Page 4 of this manual to change the battery if it reaches the end of it's life or it's broken.

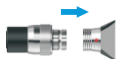
Maintenance

- Always keep the camera lens clean.
- Should any other components not mentioned need to be replaced, please contact our service agents.

Notices



Long Press the power button to Power On or Power Off. Please remove the rubber protective cover before using this tool.



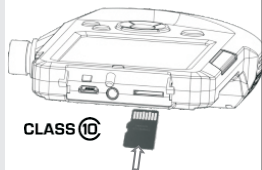
Please make sure the camera is connected to the monitor **firmly and tightly**, otherwise there will be noisy image on the screen.



Please check the battery level if you can not power on the device or there is noisy image on the screen.



This product comes with a TF card and it's already with in the device, you can press it to eject the TF card and use a card reader to see or copy the photos and videos taken by the endoscope. Please notice that you can only take photos or record videos when a **TF card is inserted to the device**, otherwise you can only preview the video stream.



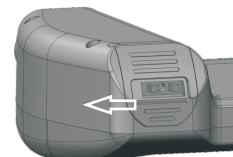
Insert card : Power off the device, open the cover on the backside of the monitor and insert the TF card according to this chart.

1. Please make sure the device is powered off before operating the TF card.
2. Please make sure the card is insert correctly.
3. This device requires Class 10 high speed TF card and it will not be able to work properly with Class 4 low speed card.

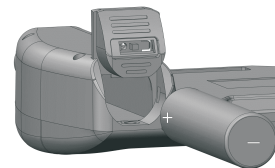
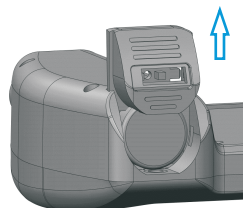
Change Battery



Only when the battery reaches the end of it's life or its broken.



1. Open the cover of the battery
2. Slide the lock tooth to the left compartment with a screwdriver.



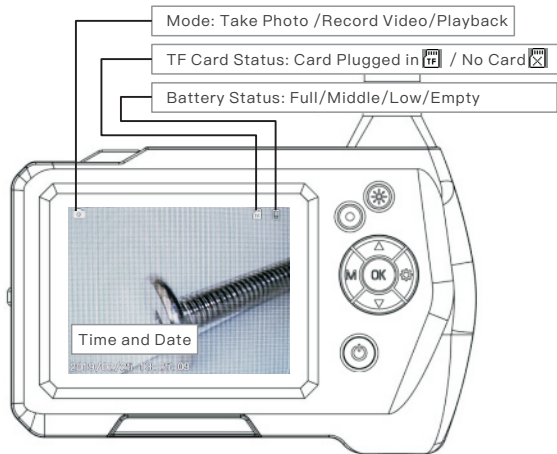
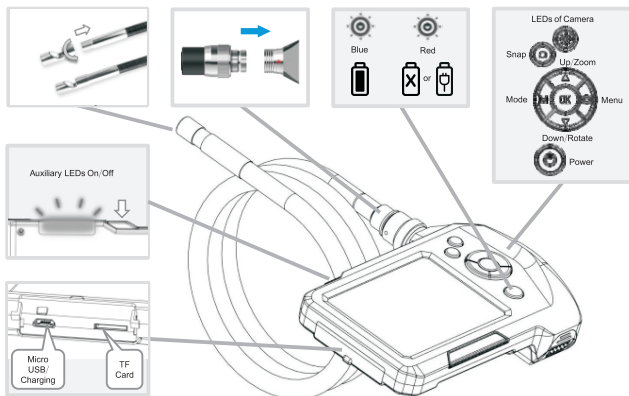
3. Slide up the cover to open the battery compartment.


4. Replace the battery with new one, please notice the poles of the battery, make sure you place the battery with correct direction.

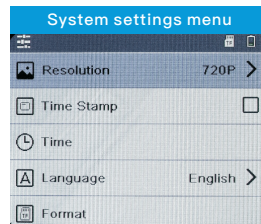




Only use 3.7V 18650 Lithium Battery.


Instructions for use





Click  in Photo/Video mode to snap photos or record movie clips. Press “OK” button to freeze the screen and “▼” button to Rotate screen.

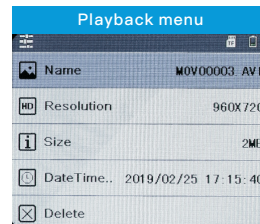




Click  to enter Settings  in Photo and Video mode to change the system settings. Click “▲” “▼” button to select and “OK” button to save changes.

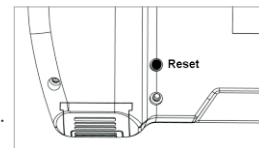
 Please press the reset button on the back of the device if the screen freezes or the buttons does not respond.




Click “M” button to switch the mode Photo  Video  Playback 

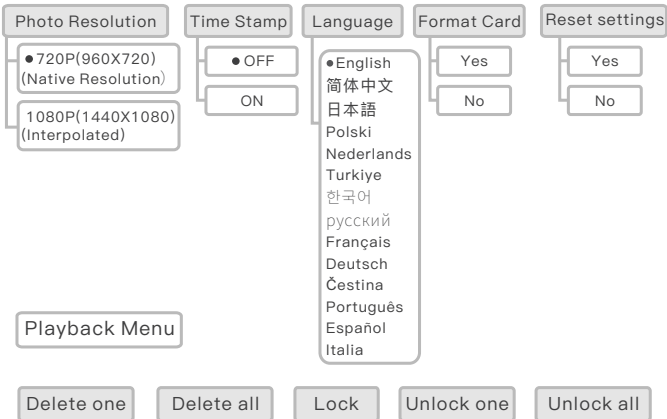


Click  to enter Settings  in Playback mode to see the property information of the media files or delete them.



Menu Tree Click  to enter the menu to change settings.
Default setting: ●

General Settings Menu



The screenshot shows the 'General Settings Menu' with the following options:

- Photo Resolution:**
 - 720P(960X720) (Native Resolution)
 - 1080P(1440X1080) (Interpolated)
- Time Stamp:**
 - OFF
 - ON
- Language:**
 - English
 - 简体中文
 - 日本語
 - Polski
 - Nederlands
 - Turkiye
 - 한국어
 - русский
 - Français
 - Deutsch
 - Čestina
 - Portugués
 - Español
 - Italia
- Format Card:**
 - Yes
 - No
- Reset settings:**
 - Yes
 - No

At the bottom of the menu, there is a 'Playback Menu' and a row of control buttons: 'Delete one', 'Delete all', 'Lock', 'Unlock one', and 'Unlock all'.

Technical Specifications

Monitor:

Screen Type: 3.5 inch Color LCD
Resolution: 320*240 pixels (QVGA)
Rotation: 180° rotation
Video Recording Resolution: 960*720 (Pixels)
Image Capturing Resolution: 960*720, 1440x1080 (Pixels)
Menu languages: **English, 简体中文, 日本語, Polski, Nederlands, Turkiye, 한국어, русский, Français, Deutsch, Čestina, Português Español, Italia**
Port: Micro USB, TF Card Slot

Camera:

Diameter : 5.5mm or optional
Probe Length: optional
Resolution : 1.0 Megapixel HD
Viewing angle: 60°
Depth of Field : 30mm—60mm
Light Source: 6 adjustable high-intensity LEDs

Other:

LED Flash light: 4pcs high brightness LEDs
Operating Temperature: 32° to 113°F (0° to 45°C)
Power Source: 2600mAh Lithium Battery
Max battery life: 5–6 hours
Certifications: CE FCC RoHS

Contents:

Digital Endoscope
User's Manual
Probe
Accessories — pick up hook, magnet, mirror
MicroUSB cable

EU Environmental Protection

Waste electrical products should not be disposed of With household waste. Please recycle where facilities Exist. Check with your local authority or retailer for Recycling advices.