TS03 / TF3002LW / TF3002LWX / TF3003LW / TF3003LWX

Instruction Manual

Toolsmart iBorescope

Safety Instructions

Before first use please familiarize yourself with the proper usage of the device. Keep these operating instructions for future reference. This operating instruction contains important details for handling the device. Please pass it on along with the unit if it is handed over to a third party!

⚠ **Please read the safety instructions most carefully!**

These instructions will make it easier for you to handle the device appropriately and help prevent misunderstandings and possible damages.

⚠ **Please note the following safety notes to avoid malfunctions, damage or physical injury:**

- **Prevent object and liquid entry.** Never spill liquid of any kind on the video display and the main body of the unit.
- **The unit is not shock-resistant.** Do not use it as a hammer or drop it.
- **Do not immerse the camera and monitor in water.** Store in a dry place. Such measures reduce the risk of electric shock and damage. The imager head and the cable are water resistant when the unit is fully assembled, but the monitor and camera is not.
- **Do not use the camera if condensation forms inside the lens.** Let the water evaporate before using again.

Cautions

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Turn off the unit if not in use.
- Attention should be drawn to the environment aspects of the battery disposal.
- Remove the batteries when cleaning the unit.
- Remove the batteries before storing the unit for a long time.
- When necessary, REPLACE ALL FOUR BATTERIES in the unit with new ones.
- Use only the size and type of battery specified.
- Be sure to install the battery with the correct polarity as indicated in the battery compartment.
- Properly dispose of the battery. Exposure to high temperatures can cause the battery to explode, so do not dispose of in a fire. Please tape over the terminals to prevent direct contact with other objects. Some countries have regulations concerning battery disposal. Please follow all applicable regulations.

FCC NOTE：

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS OR CHANGE TO THIS EQUIPMENT. SUCH MODIFICATIONS OR CHANGE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

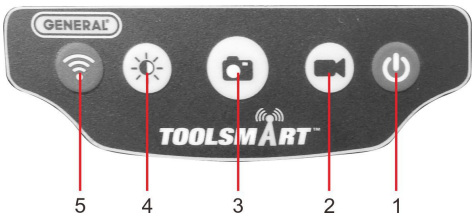
Hereby, Teamforce Company Limited, declares that this TOOLSMART VIDEO INSPECTION CAMERA / TF3002LW, TF3002LWX, TF3003LW, TF3003LWX, TS03 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

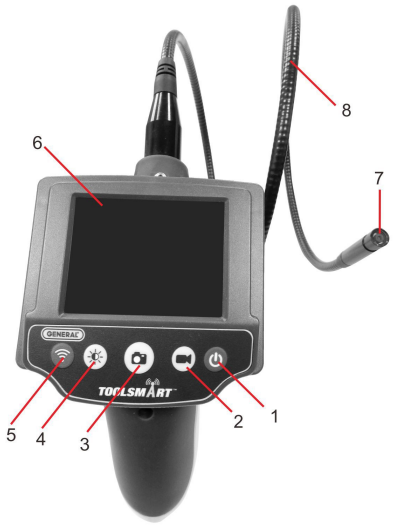
Environment friendly disposal

You can help protect the environment!
Please remember to respect the local regulations: hand in the non-working electrical equipments to an appropriate waste disposal centre.

CE0700

MAIN PART LIST





1）Power ON/OFF Button

2）Photo Button

3）Record Button

4）LEDs Brightness control Button

5）WIFI ON/OFF Button

6）2.7” TFT-LCD Monitor

7）Camera & LEDs

8）Flexible tube

9）Battery Compartment (4X1.5V AA)

ACCESSORIES PART LIST:

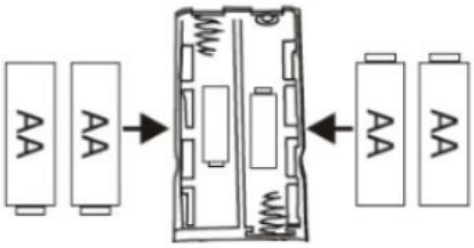
10) Mirror

11) Hook

12) Magnet

To Install Batteries

1. Using a screwdriver, remove screw and cover
2. Remove battery compartment and insert 4 new AA (1.5 V) batteries into the proper slots in the battery compartment. Proper battery orientation is indicated on the battery compartment.
3. Reinstall battery compartment, battery cover and screw.



Download APP

Download “ToolSmart iBorescope” fm App Store on iPhont/iPad/Adnroid Smart phone

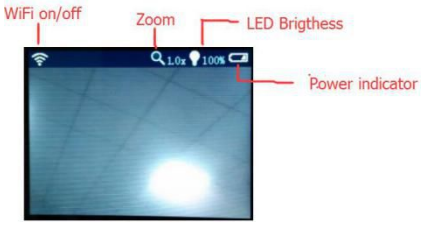
Toolsmart iBorescope

OPERATION

Switching Power ON/OFF

Press the ON/OFF Button (1) to switch the device on.

The camera image will appear on the screen.



WiFi On/Off Key: WIFI ON/OFF

Connect Hot spot

The First time you try to connert to the hot spot, you will be prompted to enter the app's password (the default password is 12345), Thereafter ,you will not be asked for a password ;

the ToolSmart iBorescope line will already have a check mark.

Tool's screen shows:

Means WiFi is activated successfully.

Means WiFi is activated fail.

Press Photo on APP, tool screen shows:

Press Record on APP, tool screen shows:

Remark: All photos & videos save under DOC folder.

While press Lightness on APP, tool screen shows:

0%、25% 、50%、100%

Video/Image Zooming (Zoom)

While press Zoom, the video/image zooms twice. Whereas tool screen shows no changing.

WiFi account pass word setting (Set Up)

While pressing Set Up on APP, it enters to the account password filling page. After new password set up, the tool screen turns blue, & off automatically after few seconds. You may turn on the tool again, then new pass word works.

Technical Data

2.7” TFT resolution	960(H) X 2340(V) pixels
Lens sensor resolution	640 X 480 pixels
Sensitivity	1.8V (Lux.sec)
Color Mosaic	RGB Bayer pattern
Camera Φ	8.0 mm
Camera lighting	4 white LEDs
LED Lux	Max 600 +/-150 Lux by 20 mm
white balance	automatic
Exposure	automatic
Fidle of field	54°
Focus	3 - 6 cm
Operating temperature	0 to +45℃
Operating Humidity	15 - 85% RH
Storage temperature	.-10 to +50℃
Storage Humidity	15 - 85% RH
Gooseneck length	57 cm +/- 2 cm
Total Length of Device	85 cm +/- 2 cm
Min.bending radius	45 mm
weight	Approx 320 g
Operating voltage	4 X 1.5V AA battery (not included)
Current consumption	Max. 350 mA

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.