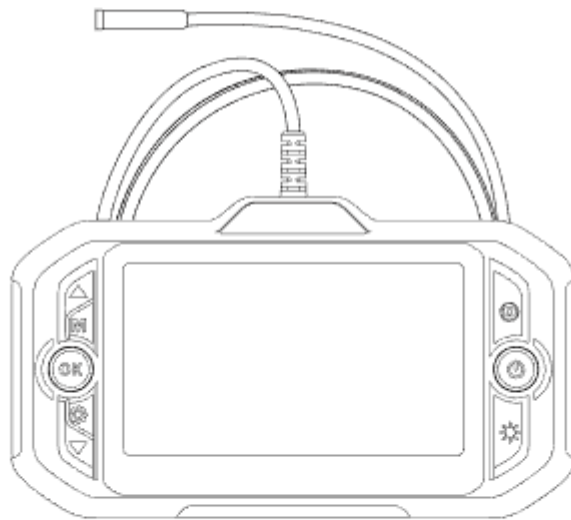


User Manual

Digital Inspection Endoscope




Model No.: TS43

Product Manual
Digital Inspection Endoscope
Model No.: TS43

Product Manual

TS43 is a high performance industrial endoscope with a 4.3-inch high definition color screen. The snapshot and recording functions are supported; photos and videos can be saved on TF memory card (Micro-SD card). This product is equipped with an LED-assisted illumination and small-diameter HD camera. The camera uses a high-sensitivity chip to help this product perform in the dark.

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

Safety and Maintenance

- * Do NOT violently hit the camera probe. Do NOT imprudently pull the cable.
- * When used in the environment with sharp objects, be extra careful to prevent the probe's waterproof protective layer from being scratched during usage.
- * The camera probe materials are not resistant to high temperature. When checking the vehicle engine, please ensure that temperature inside the engine is the normal temperature.
- * This product is not suitable for people with limited physical, sensory or mental capabilities.
- * Do NOT allow children to touch or operate this device.
- * In case the device is damaged, Do NOT disassemble it by yourself. Please contact the seller or the agent where you bought it to get repair service.

Battery description

- Please use 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.

Product Manual

TS43 is a high-performance industrial endoscope with a 4.3-inch high-definition color screen. Photo and video recording functions are supported, and saved to a TF memory card (Micro-SD card). This product is equipped with an LED ring light and small-diameter HD camera. The camera uses a high-sensitivity chip to get the best view in the darkest places.

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

Safety and Maintenance

*The camera probe is a delicate electronic device, do NOT hit the camera probe, Do NOT pull on the cable.

*The probe features a waterproof protective layer so take extra care to avoid it from being scratched during usage.

*The camera probe materials are not resistant to high temperature. When examining any

combustion engine, please ensure that temperature inside the engine has cooled.

* This product is not suitable for people with limited physical, sensory or mental capabilities.

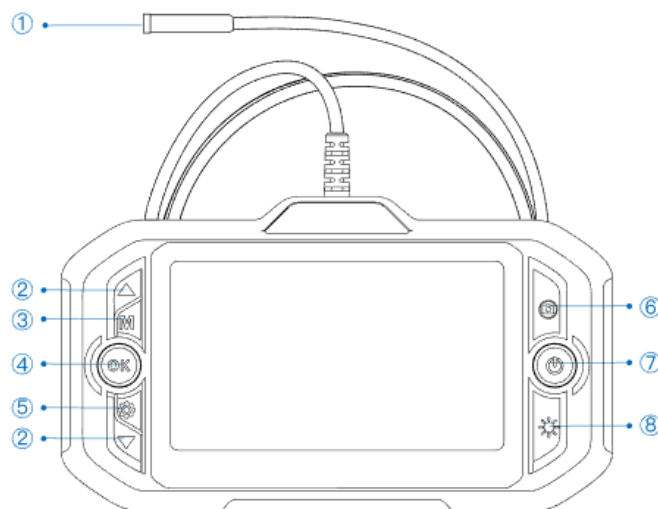
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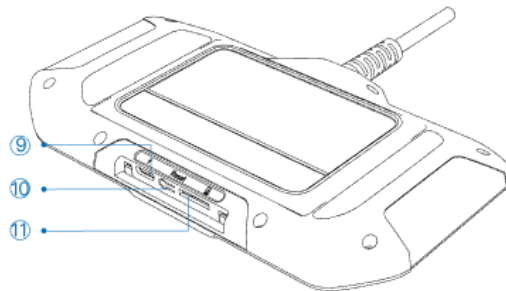
Functions



- ① Camera probe
- ② Up selection button: Zoom Down selection button: Rotate
- ③ Mode switch button: switch between three function modes: Photo taking, video recording and playback.
- ④ Enter button: Confirm selection/freeze screen
- ⑤ Settings button: enter/exit settings menu.
- ⑥ Snap button: Photo taking/Start video recording/End video recording/ Press and hold the button for a few seconds to switch between the front-view camera and side-view camera.
- ⑦ Power button: Press and hold the Power button to turn ON/OFF.
- ⑧ Light control button: To adjust the the LED' s brightness of the camera.

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Functions



⑨ Charging port

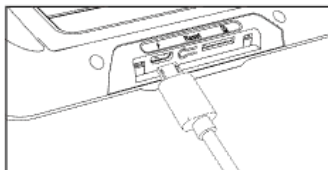
⑩ Reset button

⑪ TF card slot

Instructions



Press & hold the Power button for a few second to turn ON/OFF device.



charge this device.

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Functions

⑨ Charging port

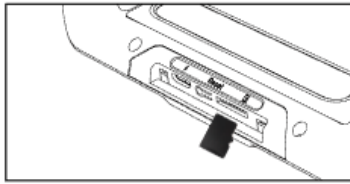
⑩ Reset button

⑪ TF card slot (Micro SD)

Instructions

Press & hold the Power button for a few second to turn ON/OFF device.

Charge this device.

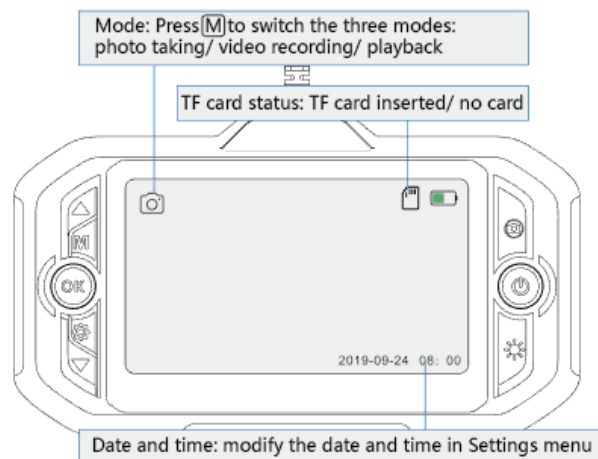


Insert a TF card

⚠ Insert TF card:

- *Power off device first before insert TF card
- *Make sure the direction and the front and back sides is correct when insert the TF card
- *Do not use excessive force when inserting or removing the TF card to prevent damages of card slot structure.

Use equipment



Insert a TF card

Insert TF card:

- *Power off device first before insert TF card (Micro SD).
- *Make sure the direction and the front and back sides are correct when inserting the TF card.
- *Do not use excessive force when inserting or removing the TF card to prevent damage to the card slot structure.

Use equipment

Mode: Press **M** to switch the three modes: Photo taking/ Video recording/ Playback

TF card status: TF card inserted/ no card

Date and time: modify the date and time in Settings menu

Language Settings

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

Setting path:

1. Press the "Settings" button to enter the menu.
2. Select language setting.
3. Press the up and down button to select the desired language.
4. Press the "OK" button to save changes.

Photo taking/Video recording/Playback

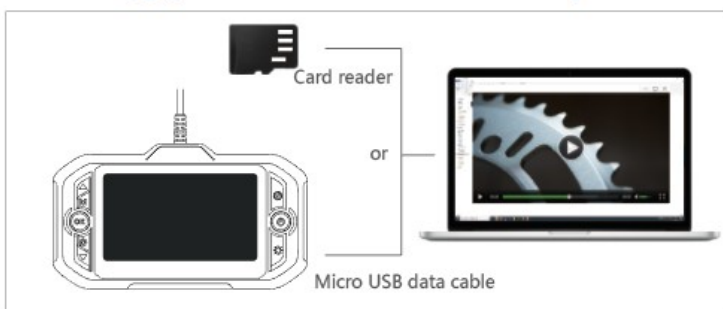


Press **[M]** to switch to the photo taking or video recording mode, and press **[📷]** to take a photo or start recording.



Press **[M]** to switch to playback mode, press **[▲]** **[▼]** to select photo or video to view, and press **[⚙️]** to delete photo or video.

Copy photo and video files to computer



You can use a TP card reader to copy data directly or use a Micro USB cable to connect to a computer for copying.

Language Settings

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

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[M] Photo taking/Video recording/Playback

[📷] Press **[📷]** to switch to the photo taking or video recording mode, and press **[📷]** to take a photo or start recording.

[▲] **[▼]** **[M]** Press **[M]** to switch to playback mode, press **[▲]** **[▼]** to select photo or video to view, **[⚙️]** and press **[⚙️]** to delete photo or video.

Copy photo and video files to computer

Card reader

Or

Micro USB data cable

You can sue a TP card reader to copy data directly or use a Micro USB cable to connect to a computer for copying.

Specifitcation Parameters

Screen

Screen: 4.3- inch HD Display

Screen resolution(Pixels): 480x272

Support probe resolution(Pixels): 1.0 Megapixel HD

Snapshot resolution(Pixel): 1920*1080,

Video Recording resolution(Pixel): 1280*720

Port: Micro charging port,TF memory card slot

Camera

Diameter: 7.0mm or 8.0mm optional

Resolution: 1.0 Megapixel HD

Viewing angle: 75°

Depth of Field: Front camera:30mm—80mm; Side camera:20-60mm

Light Source: 6 adjustable high-intensity LEDs

Others

Operating Temperature: 32°F to 113°F (0°C to 45°C)

Power Source: 2000mAh Lithium Battery

Max battery life: 3.5 hours

Charging time: 4 hours

Packaging

Monitor, Micro charging cable, user manual

Accessories – pick up hock, magnet

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English

Specifications

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