


JEET T35H Series Videoscope

Product Manual



Inspection technology for better future.

 Please read the manual before using the equipment.

Declaration

The manual is only used for T35H series products. All rights reserved.

Because the editing time is limited, we do not guarantee that there is no error in this manual. As this manual is used as product series manual, however, the configuration and function of different products may be different, about the specific specification and function, the technic requirements when you purchasing is the only reference. For the manual amendment, we have no responsibility and obligation to inform any company or individuals.

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Instruction Before Use

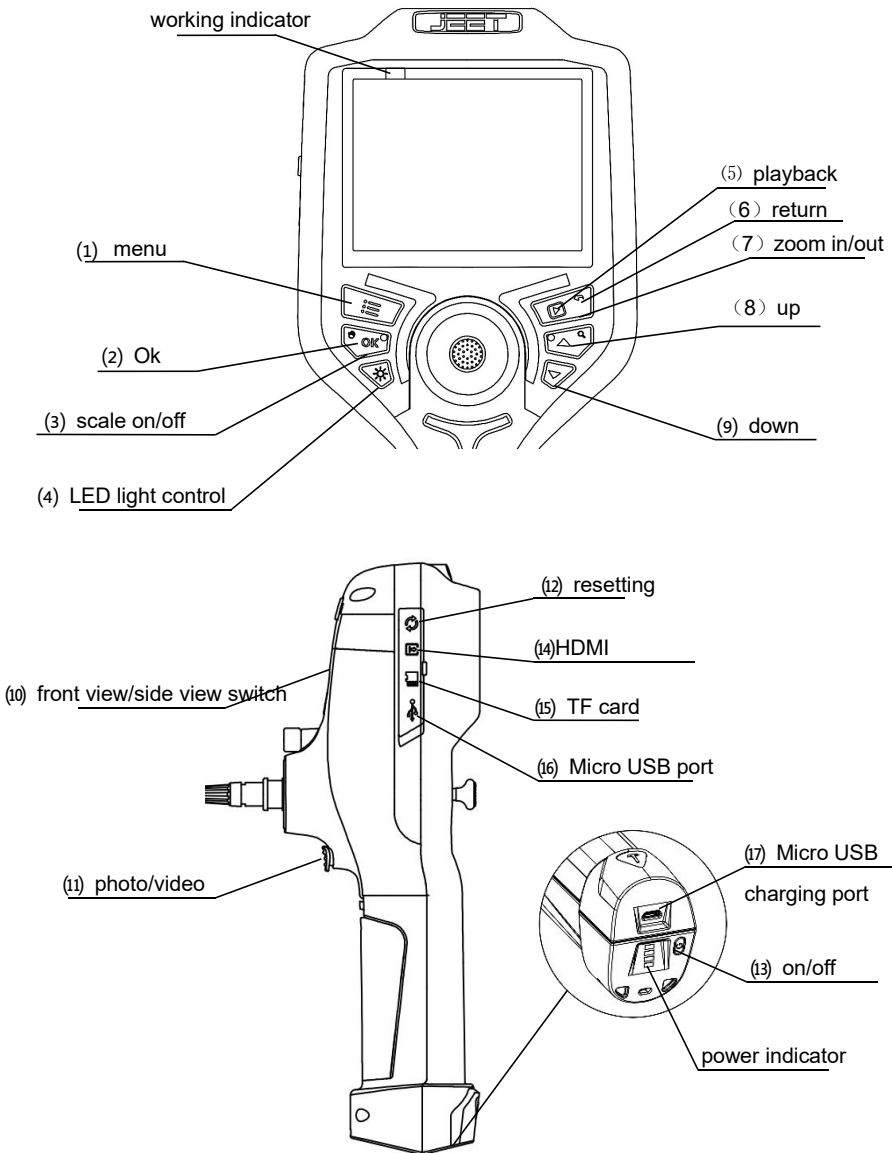
Main Configuration



For the specific configuration, please refers to the packing list.

Name	Specs	Qty	Note
Case	432*386*163 mm ³	1pc	
Videoscope	277*106*92mm ³	1pc	
Base	215*84*36mm ³	1pc	Optional
TF card reader		1pc	
Rechargeable Battery	φ18mm×65mm	1pc	Optional for 2pcs
Micro USB Line	1m	1pc	

Button and Port



-
- (1) Menu: function setting: image setting/ display setting/language setting/ time setting/version.
 - (2) Ok: in menu setting mode, it serves as a validation button.
 - (3) Scale on/off: in preview mode, long press this button to turn on/off scale function.
 - (4) LED control: control the light from 0-9 levels.
 - (5) Playback: in preview mode, press this button, it will go to image/video preview page.
 - (6) Return: return to previous menu.
 - (7) Zoom in/out: in preview mode, long press it for 2 sec. to enter zoom in/out mode, short press it to exit.
 - (8) Up: in menu setting mode, press this button to upward navigation. In zoom in/out mode, press it to zoom in.
 - (9) Down: in menu setting mode, press this button to downward navigation. In zoom in/out mode, press it to zoom out.
 - (10) Front view/side view switch: In preview mode, press this button to switch between front view and side view lens. (only available for dual lens model)
 - (11) Photo/video: short press to take photo, long press for taking video.
 - (12) Resetting: when the monitor does not work for abnormal reason, press this hole by needle, it will restart.
 - (13) On/off: Long press this button for 3 sec. to boot; long press it for 3 seconds to shut down. Short press it to show the current power.
 - (14) HDMI: connect the monitor with display by HDMI cable, the image on the monitor will be displayed synchronously on the display.
 - (15) TF card: please use Class 10 or above TF card. Maximum: 32G.;
 - (16) Micro USB port: When the monitor works independently, it serves as power input port. When it connects with power bank or mobile phone charging adapter, the monitor will turn on automatically.
 - (17) Micro USB charging port: power charging: DC5V, maximum current:1A.

Application

This product is only applied in the real-time detection and analysis for industrial equipment and automobile production and maintenance.

After-service

This product has not any spare parts which can be repair by users. Any disassemble, refit or maintenance is not allowed. If damage and losses caused by this, we do not assume any responsibility. The product maintenance is only afforded by the authorized dealers and distributors.

Warning

warning

- Prohibit the use of this instrument to observe the body or the animal's body;
- Do not use the product to inspect equipment in action;
- Do not use or store the product on explosive, strong electromagnetic field or with combustible gas, otherwise it may cause fire or explosion;
- Do not use the product to check objects with current carrying, so as to avoid the occurrence of electric shock;
- Do not watch the LED light source at the end of the lens straightly, avoiding the effect of strong light on the visual acuity;
- Never excessive bending, stretching, twisting, rolling cable, otherwise it may cause cable disconnect, a fire or electric shock accident;
- If there is abnormal in the angle adjustment operation, stop the current operation, and turn off. Then contact the supplier;
- Keep the insert tube away from any liquid, except water, salty water or oil;
- When finish using, please clean the front section of the instrument in time, to prevent corrosion.

1 Brief Introduction

1.1 Parameters

Probe Diameter	Φ6mm/Φ3.9mm
Camera Pixels	1,000,000
DOF	10mm-100mm
FOV	120°
Viewing Direction	0° front view / 90°side view (optional)
Illuminance	≤50000lx
Tube Material	tungsten-braided
Tube Length	1.5m (customized for other length)
Protecting Device of Durability	buffer protection device between the host and wear-resistant tube
Articulation	360° all-way
Bending Angle	≥150°
Probe Positioning	damping positioning (optional: articulation locking device)
Display	3.5"/5.1" TFT LCD
Display Resolution	640*480
Language	Chinese, English, Russian... 14 languages
Photo/Video Format	JPG/MOV
Photo Resolution	640*480/1280*720
Video Resolution	640*480/1280*720
WIFI Function	WIFI (optional)
Outer Case Material	anti-fall engineering alloy material

Water/Dust Proof	probe/tube: IP67
Monitor Structure	one hand-held monitor
Memory	standard TF card 16G, maximum: 32G
Data Port	HDMI port/Micro USB port
Working Time	≥4H, built-in batteries:8H
Batteries	detachable lithium batteries (optional: built-in lithium batteries)
Battery Capacity	3.7V, 3200mAh*2pcs
Power Consumption	2W
Power Charge	DC5V, maximum current:1A
Weight	0.55~0.8kg (including 2 batteries)
Compatibility	interchangeable monitor and tube with different diameter
Store Temperature	-23°C~63°C
Relative Humidity	maximum: 92%, non-condensing
Monitor Working Temperature	--15°C~50°C, when 0°C below, the display needs preheating.
Camera Working Temperature	-25°C~80°C, when 0°C below, please reduce probe articulation.

2 Operation Steps

2.1 Take out the instrument

Open the instrument case, while taking out the instrument host, set aside and pay close attention to the probe; avoid colliding the probe and scratching probe lens.

2.2 Boot Preparation

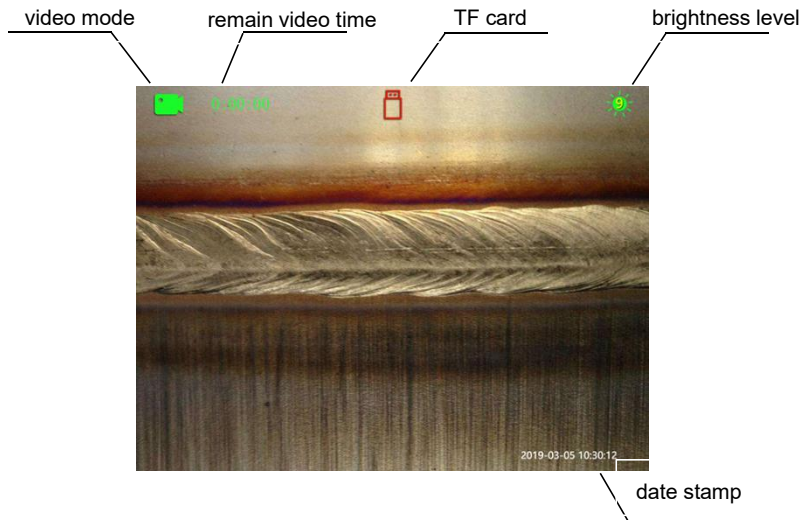
Check whether the insert tube is well connection with the monitor, the TF card and batteries are installed (one battery also works normally). Straighten the insert tube



- * Connect the monitor with the tube system;
- * Make sure the monitor contacting with the upper of the handle tightly;
- * Lock the button on the back of the monitor;
- * Install the TF card.

2.3 Operation

The operation interface is as follows:



2.4 Probe articulation control

According to the testing need, operate the joystick to control probe articulation, in order to observe. The bending motion of the front probe is controlled by rotating the joystick. During the operation, if the joystick suddenly meets larger resistance, or there is any abnormality, please immediately stop using. After adjust the joystick to the middle position, please remove the insert tube carefully from the testing equipment.

The articulation lock device is optional. When the probe is articulated to the suitable position, if screw down this device, the articulation will be locked.




2.5 After use

Before you remove the insert tube from the inspected object, please make sure the probe is reset to be straight. If the product is damaged due to improper operation, the user bears the loss. Turn off the power switch, put the instrument into the portable case carefully, and put the tube into the case well.






3 Image Capture and Operation

3.1 Photo/Video


- ① Short press “(11) photo/video button” to take photo;
- ② Long press “(11) photo/video button” to take video. Long press again to exit. In video-taking mode, short press it to capture image.
- ③ The saved file is named in the form as follows:

 **IMG170725-131702.JPG**
 YTD hour/min./sec.




3.2 Playback

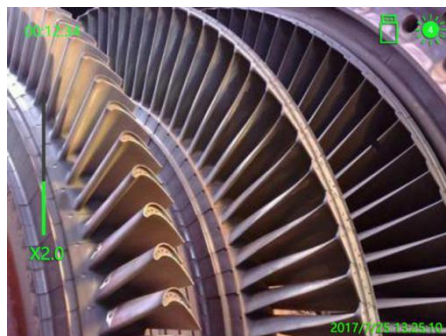
In preview mode, press  “**playback**” button, it will change to image playback mode. Press  “**up**” button or  “**down**” button to select and press  “**OK**” button to playback different images (.jpg) or videos (.mov). Press  “**menu**” button to pop up file delete menu, deleting files.

3.3 LED light control

In preview mode, Press  “**LED light control**” to adjust LED light from level “0” to level “9”. Long press this button to zero level.

3.4 Zoom in/out

In preview mode, press  “**playback**” for 2 sec., to enter zoom in/out mode. On the left of the screen, it will show magnification times like “2X”. Press  “**up**” or  “**down**” to adjust magnification times.



3.5 Connect PC

When the product is turned off, it can connect PC, plugging Micro USB cable into “(16) Micro USB port”, and plugging the other end USB 2.0 into PC. The monitor will display the following image.



「MSDC」 : read the internal storage files;

「PCam」 : convert the probe camera to USB camera and connect to PC display (not available for the moment);

「DV」 : auto play the storage files (not available for the moment);

Select “MSDC” and press “OK” to copy image/video files onto PC.

3.6 Software function setting

1. time setting: setting time
2. date stamp: if turn on this function, all the files will be saved with watermark
3. language: 14 languages for option
4. HDMI output: connect with display
5. resetting: reset the system
6. format: format the card
7. FW version: checking the software version

4 Solution to Common Problems

Problem	Reason	Solution
Boot without reaction	no battery or power shortage	charge or install battery
Auto shutdown	battery power shortage	charge or change battery
Boot screen freezing	system boot failure or battery power shortage	remove the battery to re install and restart or charge
The image cannot be recorded or found	the capacity of TF card is not enough	replace TF card or delete useless files
Image stuck	system stuck	shutdown, restart or reset



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