



**VSP-201  
MULTIPURPOSE VIDEOSCOPE  
OPERATION MANUAL**

PLEASE SCAN QR CODE TO  
WATCH THE OPERATION  
VIDEO OF PRODUCTS.



**Structure**



- A: photograph button. In image mode, press this button to take a picture.
- B: Video button. In image mode, press this button to record.
- C: Menu button. Press this button to enter the menu mode. In the sub-menu state, press this button to return to the previous menu.
- D: Confirm button. In the real-time image state, press and hold this button for 3 to 5 seconds to preview the captured images and videos; in the menu state, you can confirm the menu items.
- E: Switch button. press this button to turn the device on or off.

- F: LED dimming button. Press this button to dim the brightness of the 40 camera, flexible handle camera, and rigid handle camera.
- G: LED brightening button. Press this button to brighten the 40 camera, flexible handle camera, and rigid handle camera.
- H: Lens far focus button. The focal length of the lens is zoomed out, and it can be magnified in the file preview state.
- I: Lens near focus button. The focal length of the lens is reduced, and the magnification can be reduced in the file preview state.
- J: Up button. In image mode, press this button to flip the 40 camera upward. In menu mode, press this key to move the cursor bar up.
- K: Right button. In image mode, press this button to rotate the 40 lens clockwise. In the menu state, press this key to move the cursor bar to the right, which can be used to switch between the image parameter sub-menu and the system parameter sub-menu.
- L: Left button. in image mode, press this button to rotate the 40 camera counterclockwise. In menu mode, press this button to move the cursor bar to the left, which can be used to switch between the image parameter sub-menu and the system parameter sub-menu.
- M: Down button. In image mode, press this key to turn the 40 lens down. In menu mode, press this key to move the cursor bar down.
- N: Power indicator. This light is on when the device is on.
- O: Charging indicator. This indicator is on when the charger is connected.

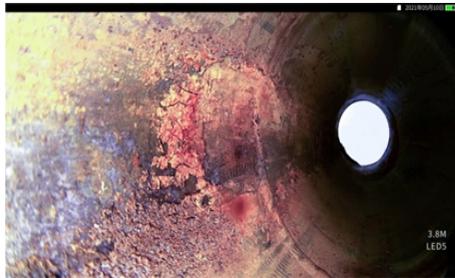
**Operating Instructions**

Inspection Operation

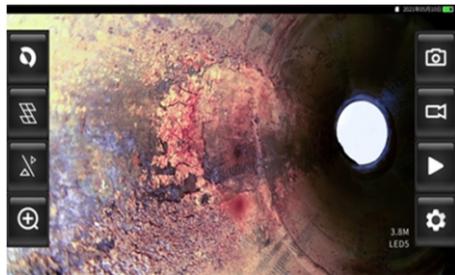
- ◆ Before use, please chose suitable camera according to inspection conditions.
- ◆ Please make sure equipment have installed battery and SD card, press turn on/off key to turn on the unit. At the same time, press monitor switch to turn on the monitor.

Menuoperation:

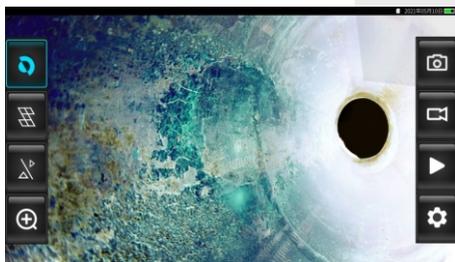
After the device is turned on,it will automatically enter the video interface with full screen.The bottom right corner shows the length of the cable out of the reel and the brightness level ofthe camera light.



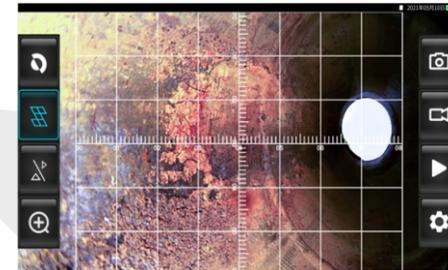
Click any point on the screen to call up the touch screen button interface.After about 8 seconds of inactivity, the button interface will be automatically hidden.



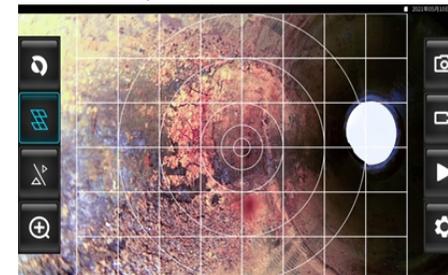
- ◆ Negative film: click the icon  ,the image enters the negative filmstate;



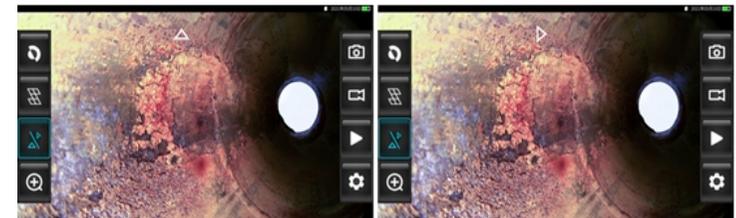
- ◆ Ruler:when the menu is set to"ruler1",click the icon  to turn on or off the XYcross ruler for comparison measurement;



- ◆ When the menu is set to"Ruler2",click the icon  to turn on or off the circular ruler;(The menu settings will be described in detail in the menu introduction later.)

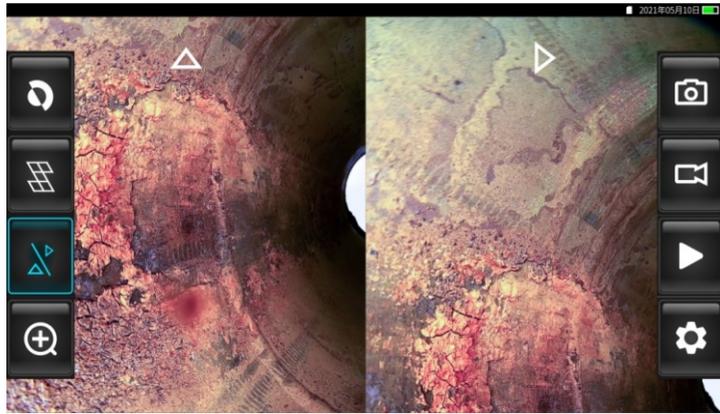


- ◆ Split screen switching:cycle the button and click the icon  to display in sequence,forward-viewfull screen,side-viewfull screen,forward/sideview split screen display.This function only suitable for such special camera----forward-side view integrated camera. Other cameras do not have this function.



Forward -view full screen

Side-view full screen



Forward/sideview split screen display

- ◆ Image zoom in: Click the icon  to zoom in the image, up to 3 times.



- ◆ Take a photo: Click the icon  or the photo graph button to take a photo. If the photo is successful, the photo instruction will be displayed, as shown in the figure.



- ◆ Video: Click the icon  or the video button to record. When recording, the video indicator flashes and the video duration is displayed at the same time. Touch the screen or press the icon or the video button again to exit the video state.



- ◆ Replay: Press  into image and video replay mode, press  or  to transfer image review and video review. Click up and down on the vertical blue scrollbar on the right side or the up and down buttons to turn pages in the interface. Click the image and videos or press the left and right button to select files.



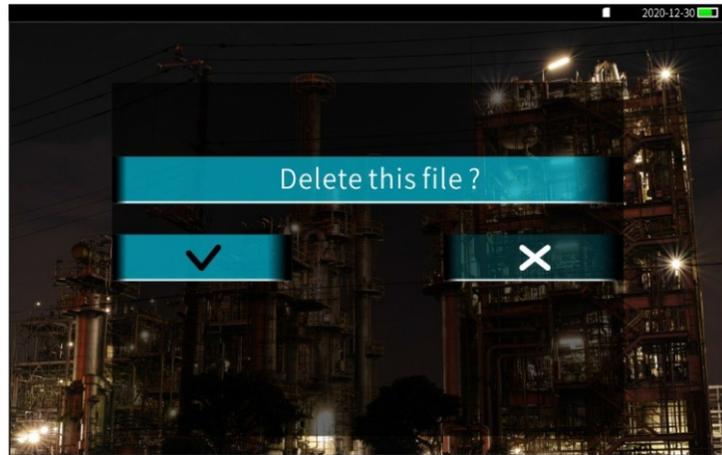
Picture file

Video file

- ◆ Double-press the image/video or press the OK button to browse single file, press  or  or Up and down keys can switch front and back files. Press  to Zoom in or zoom out the picture; press on the video to automatically enter the video playback, press , it change to , video paused, Click the playback progress bar at the bottom of the video to fast forward and rewind; press  or short press start/ off button, quiet video play.



- ◆ When previewing image files and video files, click the  to enter the delete interface to choose whether to delete the file.



- ◆ Setup : press  or menu button into menu interface.



Video setup

- ◆ Enter menu interface, press the corresponding icon  at the top of the screen to enter the video settings respectively. Screen setup  Application setup  system setup .
- ◆ White balance:the camera image can accurately reflect the color condition of the subject,with automatic,cloudy,incandescent,daylight and other methods.Double press the"whitebalance"light bar to enter the sub-menu,double-click the parameter you want to select or press the icon  to return to the previous menu.You can also press the up/down key to select the main menu,press the enter key to enter the sub-menu,then press the up/down key to select parameters,and then press the enter key to complete the setting. Short press the switch button to exit.



- ◆ Contrast: press the icon bar cursor or press the left and right keys to adjust the contrast. The user can choose according to actual needs. The setting method is the same as above.



- ◆ Hue: Drag the icon cursor or press the left and right keys to adjust the height of the color. The user can choose according to actual needs. The setting method is the same as above.

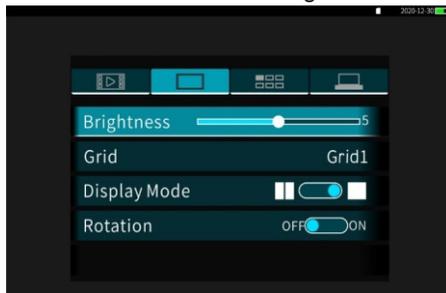


- ◆ Negative film:Click "on" or "off" to turn on or off the negative film state, and press the enter key to switch between on and off.The user can choose according to actual needs, and the setting method is the same as above.



Screen settings

- ◆ Screen brightness: Drag the icon cursor or press the left and right buttons to adjust the screen brightness. The user can choose according to actual needs. The setting method is the same as above.



- ◆ Ruler: press this cursor or enter the submenu to choose to open or close the ruler. Ruler 1 is an XY cross ruler, and ruler2 is a circular ruler. The user can choose according to actual needs. The setting method is the same as above.



- ◆ Display mode: Click the left or right side of the o-shaped icon in the figure or the confirm button to select the display mode. The user can choose according to actual needs. The setting method is the same as above.



- ◆ Screen rotation: press on the left or right of the o-shaped icon in the figure or the confirm button to rotate the screen at 0° and 180°. The user can choose according to actual needs. The setting method is the same as above.



Application set up

- ◆ Date setting: press the date setting light bar or enter the date and time sub-menu, you can adjust and choose year/month/day/hour/minute, when the cursor selects the parameter, press ▲ or ▼, or up and down to set parameter adjusting, Press the confirm button to complete the adjustment of the date and time. Users can choose according to actual needs, and the setting method is the same as above.



- ◆ Language: This product supports multi-language selection such as simplified Chinese, English, etc. The user can set it by himself, and the method is the same as above.



- ◆ Sound: The user can choose whether to turn on or not according to actual needs, the method is the same as above.



- ◆ Icon display: After turning on the icon display status, in the real-time image status, the SD card ID, date and battery power will be displayed on the screen. Users can choose according to actual needs, and the setting method is the same as above.



System setup

- ◆ Automatic shutdown: The user can set the length of the automatic shut down time according to actual needs. When the device is with in the set time with out any operation, the device will automatically shut down.



- ◆ Software version: The software version is fixed and is used to display the version status of the software. The device can be upgraded via SD.



- ◆ Setting s recovery: Users can choose whether to restore the factory settings of the device according to their needs, in the same way as above.



- ◆ Formatting: The user can choose whether to format the memory card or not, as required, in the same way as above. t, as required, in the same way as above.



### Simple troubleshooting

Fault description	Cause	Solution
The device can not be turned on	Lower power	Charge the battery or connect directly to an external power source
After the device is turned on, showing the fault of blue screen/splash screen	The lens is not in place	Reinstall the lens to ensure it is in place
Video displays abnormal colors	Screen display parameter adjustment error	Adjust screen hue, contrast and other parameters
Image blurred	Stained lens glass/protective cover	Shut down and wipe the lens
Device can not be shut down properly	The device is subject to strong magnetic interference, causing system errors	Remove the battery and reinstall

### Precautions for use

- 1 Before using the device, be sure to check whether the device has a battery installed and whether the battery is charged, and whether the insertion cable of the borescope is coiled. It is forbidden to operate the rocker when the cable is coiled to avoid damage to the internal wire of the insertion cable. Try not to bend the fiberglass push rod excessively during use, so as not to cause irreversible bending.
- 2 During the installation process, after the communication data interface is inserted, it cannot be rotated.

- 3 When taking photos and videos, you must ensure that the brightness of the camera light is appropriate, and at the same time, ensure that the probe end is stable and does not shake; during use, users should not look directly at the lens light to avoid burning eyes.
- 4 Finished using the device, it is necessary to straighten the bending part, and then pull out the test object, and do not pull hard.
- 5 After using the device, please turn off the power and protect the lens pins at the same time, and install the pin protection cover (or directly install it to the built-in wire reel connection port) to avoid pin damage.
- 6 Do not immerse and rinse the product. The probe and controller can be cleaned with a soft cloth to avoid dirt corrosion and damage to the product performance. Then put the equipment in the special equipment box and properly protect it to prolong the service life of the product.
- 7 Do not subject the device to crushing, impact or impact to avoid unnecessary damage; please remove the battery when the device is not used for a long time to avoid battery damage and corrosion of the instrument.
- 8 When charging, be sure to use the charger provided by this device. The voltage is 12V and the current is not higher than 2000MA.
- 9 Do not use the device at temperatures outside the range of -10°C-50°C.
- 10 Do not use or leave the product in a corrosive environment.
- 11 Do not expose the product to rain. Do not leave the probe in liquid for a long time except for the waterproof probe.
- 12 Do not place the product near strong magnetic items.
- 13 Do not use it in a dusty environment.
- 14 Please do not scratch the screen, please keep the body clean.
- 15 Do not attempt to disassemble this product by yourself. Repair work is limited to original authorized staff.
- 16 When using USB to connect PC, plug in USB first, and then turn on the main unit.