

7" LCD Biological + USB Portable Dual Lens Digital Microscope

Instruction Manual



Precautions Before Using Microscopes

1. Put on the dust cover in time after use to avoid dust on the lens
2. Optical products are precision parts, please handle with care
3. Do not place microscope in damp or wet condition
4. Do not touch the electronic eyepiece lens glass with your fingers
5. During use, if the image is lost or flickering, please check whether the USB interface of the computer is loose
6. Please use the original power cord, data cable, adapter
7. Please unplug the power supply after use, pay attention to dust
8. The image processing software is compatible with WIN7 and above operating systems, WINXP does not support

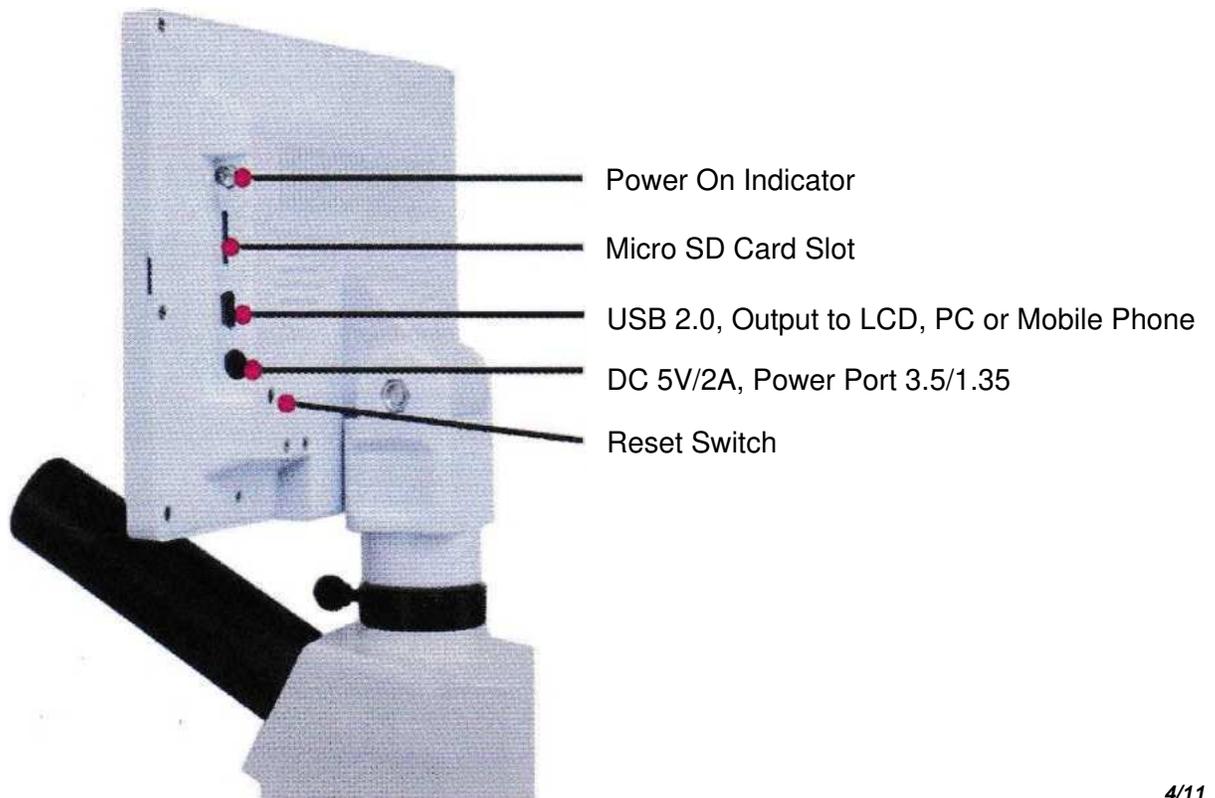
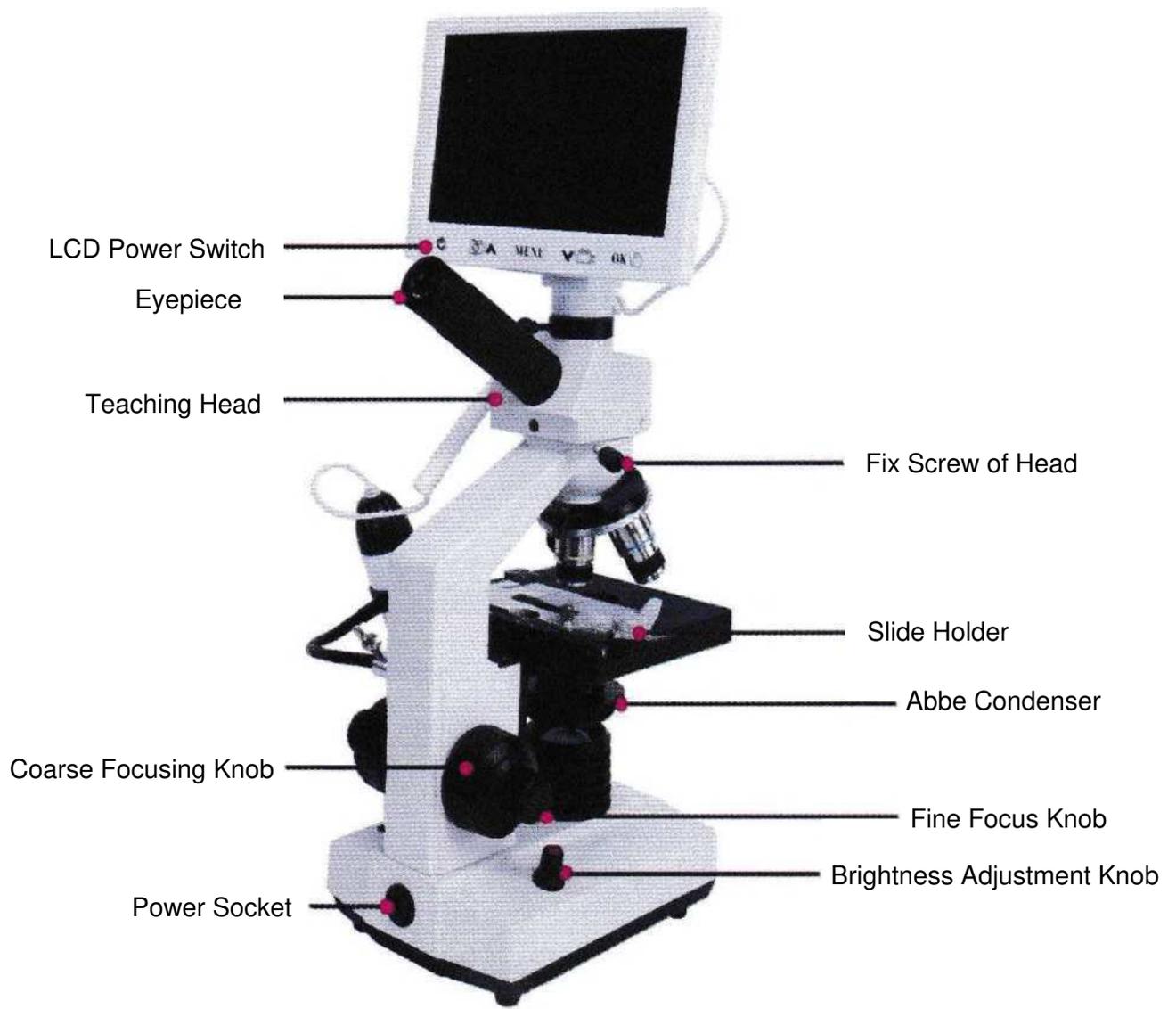
Applications

This product is mainly used in scientific research, biological teaching in colleges and universities and various microscopic biological exploration. The product has real-time viewing of microscopic images of biological research, and can realize photo, video, storage, and USB data connection to PC for image processing. You can also watch the surface phenomena of various objects, record and share the experimental results.

Product Structure

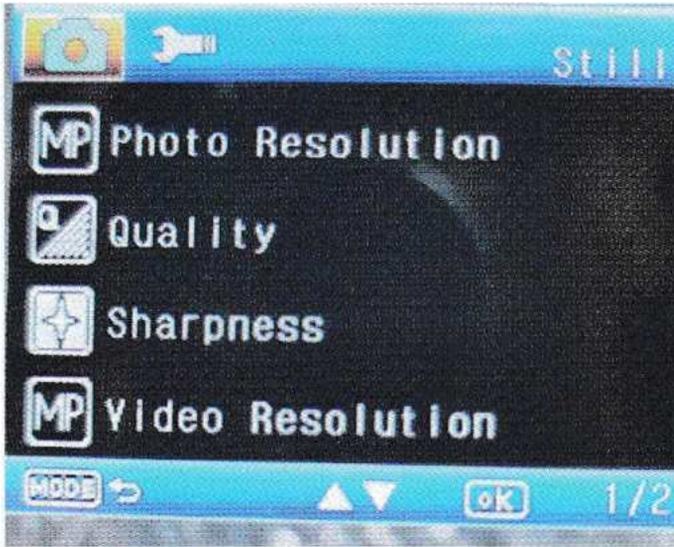
The Microscope Body Adopts All-Metal Process





Operation interface introduction

in the image preview mode, short press the MUNE button once, the dialog box on the left will appear, and you can set the image parameters; press it again, the dialog box on the right will appear, and you can set the system.



Camera-Resolution-Image Quality-Sharpness-Video Resolution-Exposure Compensation



Time/Date - Auto Power Off - Screen Saver - Language Settings - Light Source Spectrum - Format Defaults - Version

OK \ 

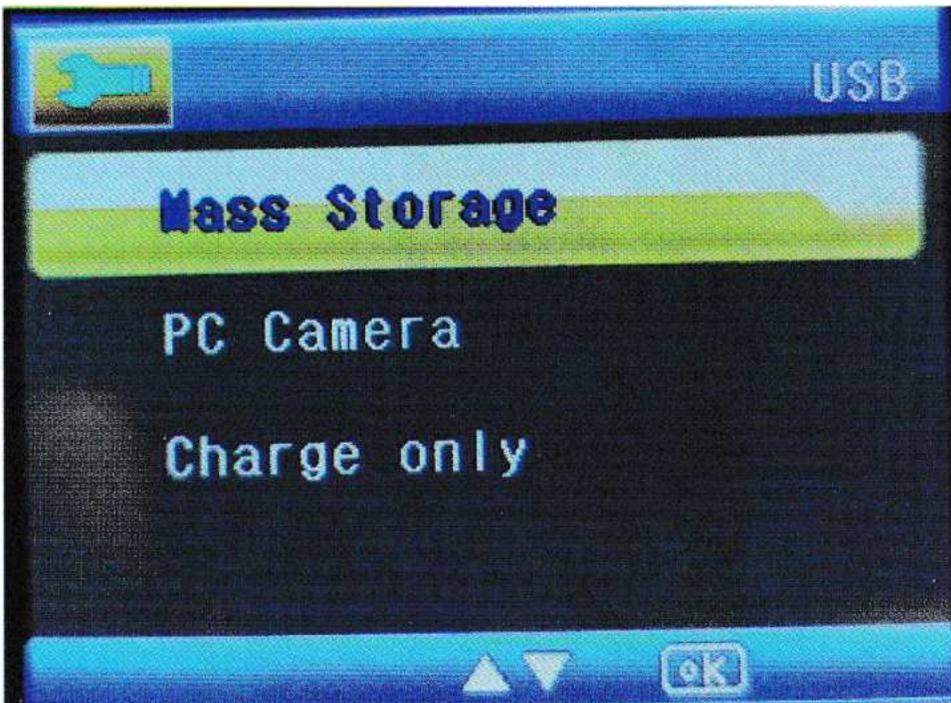


In the image preview mode, long press (2 seconds) this button to enter the album mode, you can use the up and down buttons to select a photo or video file (to view the video, you need to press the OK button again to play); in the album state, short press MENU button, the following dialog box will appear, you can choose to delete or protect the photo.

USB To Computer

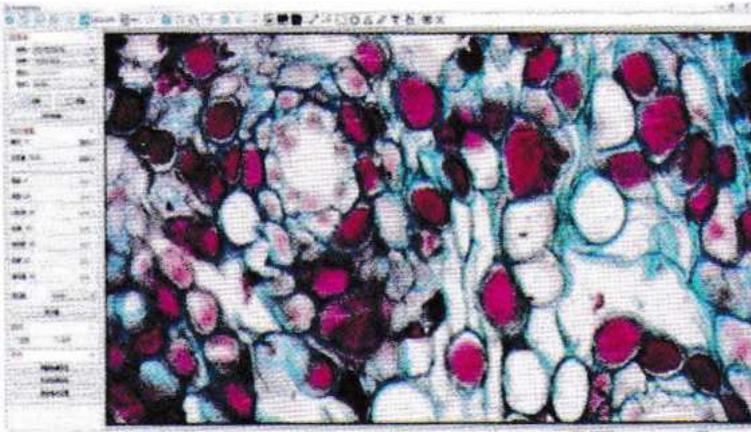
Use the USB data cable to connect to the computer, the following dialog box will appear on the screen, you can use the up and down keys to select the data access mode, and then press the OK key to confirm.

1. Select the storage: a mobile disk will appear on the computer (you can see it when you enter my computer), and you can read the image file in real time after opening it.
2. Select the camera: The computer needs to install the random genuine image processing software (StrangeView) in advance. After selecting the camera, open the computer software to display the image and edit the image through the software.
3. Select only charging: the display only has power supply function, and has no function for image operation.

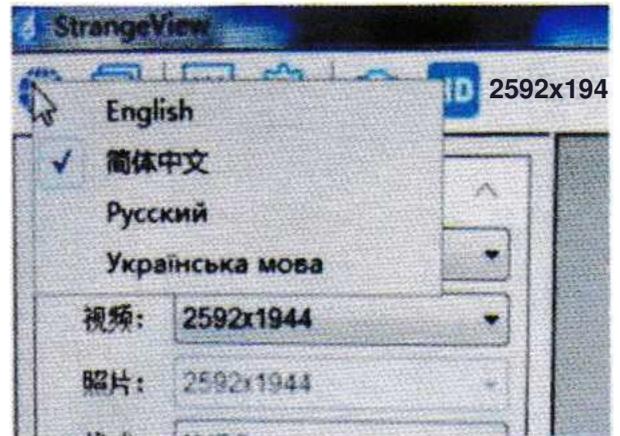


Introduction to Image Processing Software

Software Interface



Software language selection



e) Strange View

afha ? [Sidebar Icon] [System Settings Icon] [Camera Selection Icon] HD 2592x1944 [Measurement Icon] NA 1:1 [Photo Icon] [Video Icon] [Image File Directory Icon]

Language Selection Sidebar System Settings Camera Selection Resolution Selection Measurement Image Scale Photo Video Image File Directory

[Straight Line Measurement Icon] [Parallel Line Measurement Icon] [Area Icon] [Diameter Icon] [Angle Icon] [Hand Drawn Lines Icon] [Add Text Icon] [Move Icon] [Recently Delete Icon] [Deleted Delete Icon]

Straight Line Measurement Parallel Line Measurement Area Diameter Angle Hand Drawn Lines Add Text Move Recently Delete Deleted Delete

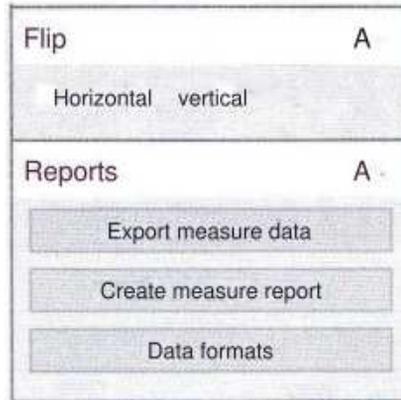
[Show Ruler Icon] [Show Grid Icon] [Center Circle Icon] [Black And White Icon] [Binary Icon] [Invert Icon] [relief Icon]

Show Ruler Show Grid Center Circle Black And White Binary Invert relief

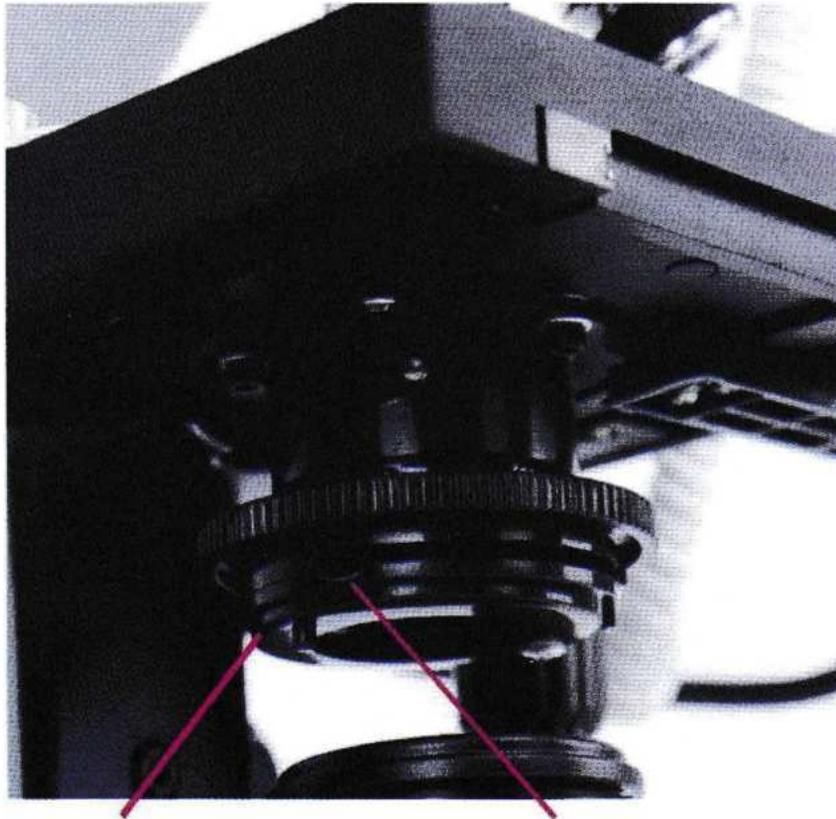
Camera Selection And Resolution Settings



Image Inversion And Report Generation



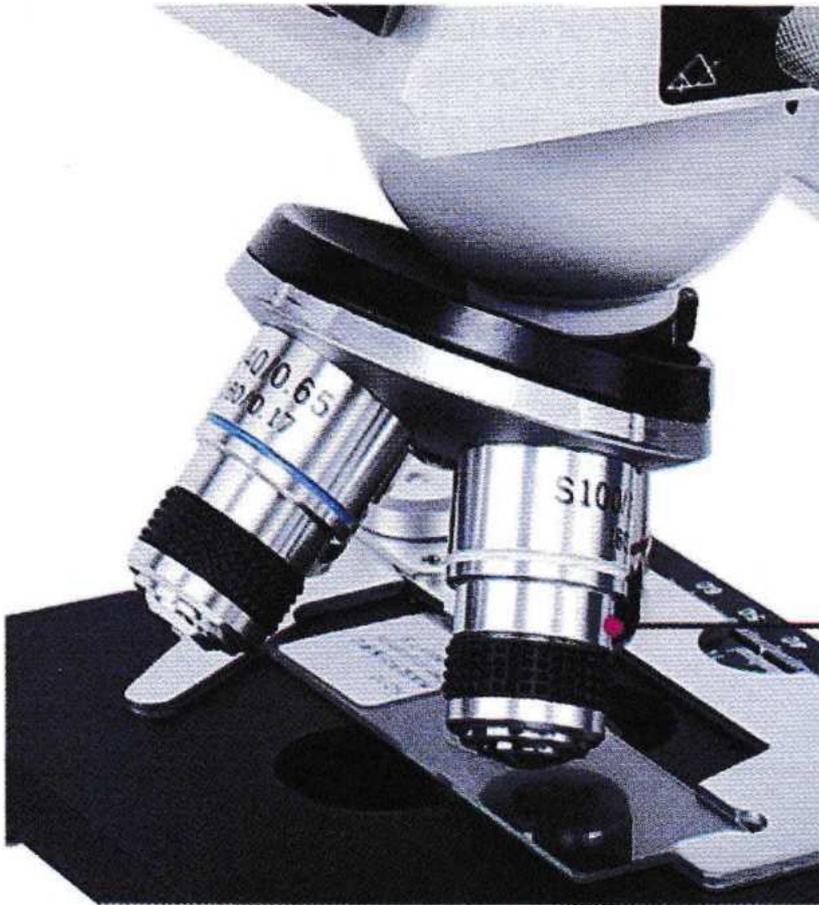
Abbe Condenser



Abbe Condenser

Iris Diaphragm

Abbe Condenser for image enhancement, need to rotate the height of Abbe condenser to match different magnification objectives, and according to different specimens, the aperture size of Abbe can be adjusted to achieve the best effect of the image.



Objective Lens Color Ring Identification

4x - red

10x - yellow

40x-(bomb)-blue

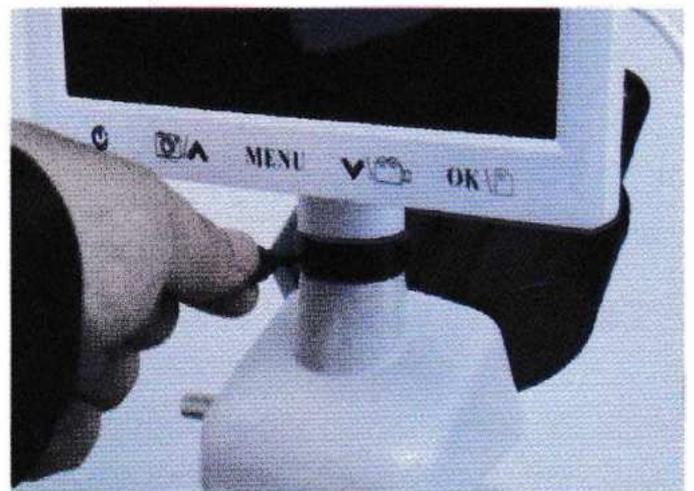
100x (oil) - white

(Please use alcohol to wipe the lens clean after 100x use)

100x Objective

When using a 100x objective, a drop of cedar oil is required on the specimen (assisted conduction image). Then you need to adjust the Abbe under the stage. In the case of a non-100x objective lens, you can gradually adjust it upwards, and you can adjust the aperture size.

Display Installation



Note: Pull out the black dust cover of the display screen, then put the connection seat of the display screen into the TV connection hole of the microscope, and finally tighten the positioning bolts.

Display Key Description



On-off button & image switching: After the microscope is powered on, press and hold the button (2 seconds) to turn on the microscope, and press and hold the button for 2 seconds again to turn off; when the microscope is on, short press this button to switch the image between the main lens and the handheld microscope lens .



Photo and Up button: When the microscope is in the boot image preview state, short press is the camera function; when the microscope is in the menu setting state, short press is the up button function selected up and down.

MENU

Menu function: In the image preview mode, short press to set the function .for the startup menu

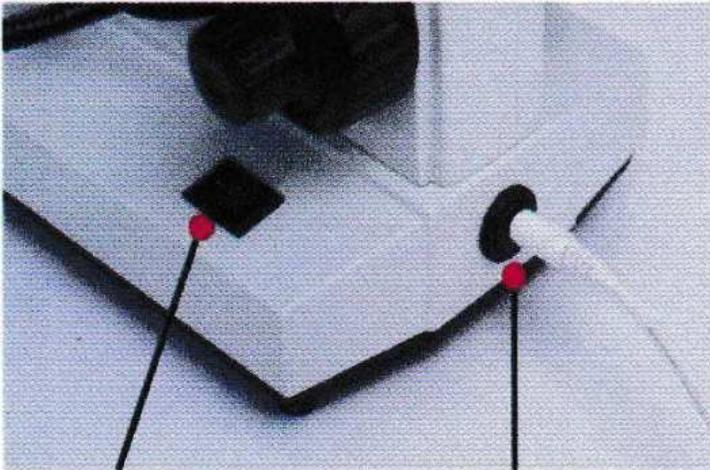


Recording and down button: When the microscope is in the image preview state of startup, short press to start recording; press the button again to start recording, and press to stop recording; when the microscope is in the menu setting state, short press is the down button function selected up and down.

OK

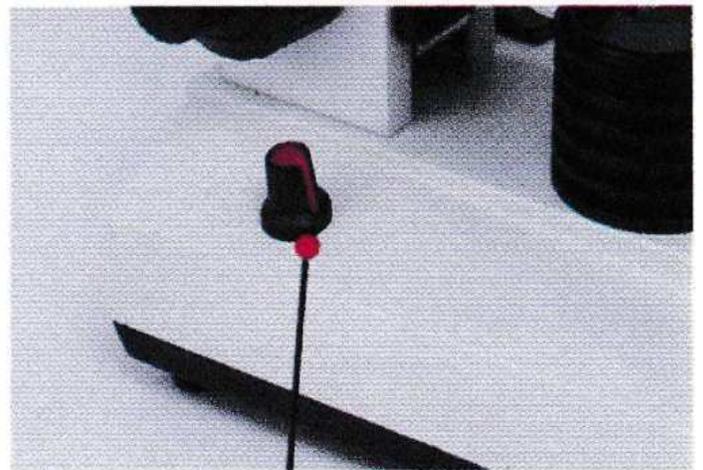
OK & Album button: When the microscope is in the image preview state, long press (2 seconds) to enter the album function, and long press again to exit the album; when the microscope is in the menu setting mode, it is short for OK (confirm).

Point Light Description



Electric Light Switch

Electric Light Source
Power Input



Electric Light Source Brightness
Adjustment

Note: Plug the power cord into the microscope power port first, and then turn on the point light source switch. The user can adjust the brightness of the light source according to the needs of different specimens and objective lenses.

Handheld Microscope Installation

Brightness Adjustment

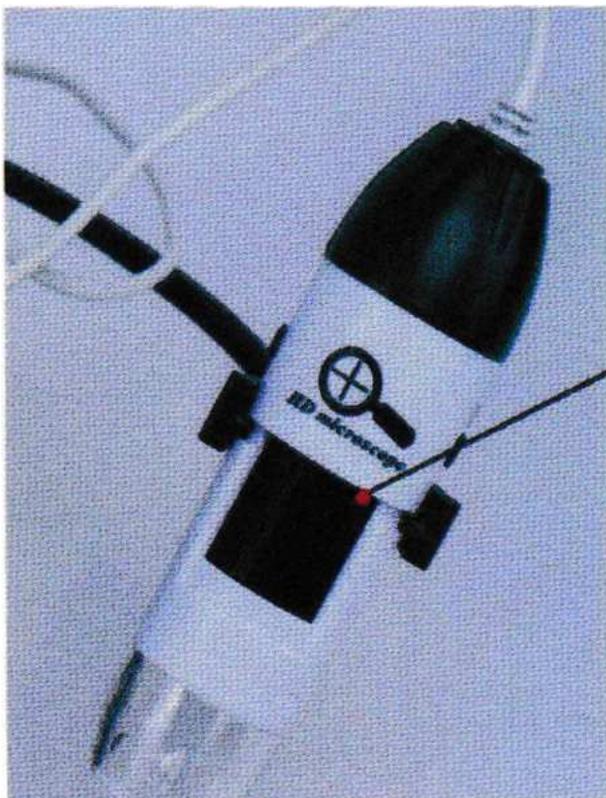


Open the dust cover

The handheld microscope is mounted on a metal stand, align the bayonet of the bracket with the slot of the handheld microscope, and then gently buckle it.



Insert the MINI USB cable into the USB port of the LCD screen.



When using the handheld microscope,
1, First, touch the power button of the LCD to switch the image to the handheld microscope,
2, Then use the handheld microscope to align the object to be observed with the thumb and turn the focusing knob left and right until the image is clear.

Focusing Knob

If you want to reduce the magnification for viewing, you need to move the distance between the observed object and the handheld microscope.

Note: The dust cover should be covered after use