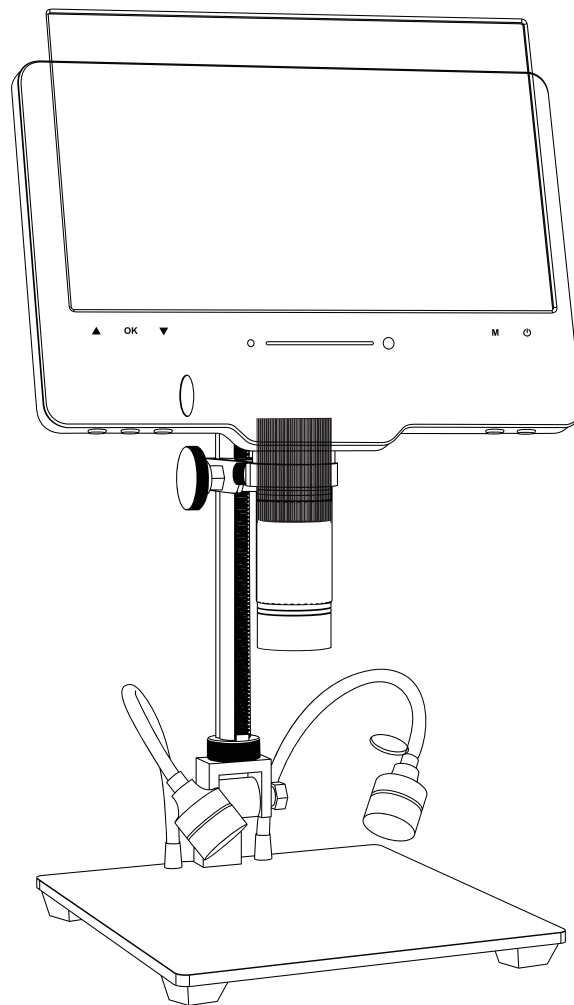




Digital Microscope

Model : LP101



User Manual V2.0

Please read this user manual carefully and keep it for future reference.

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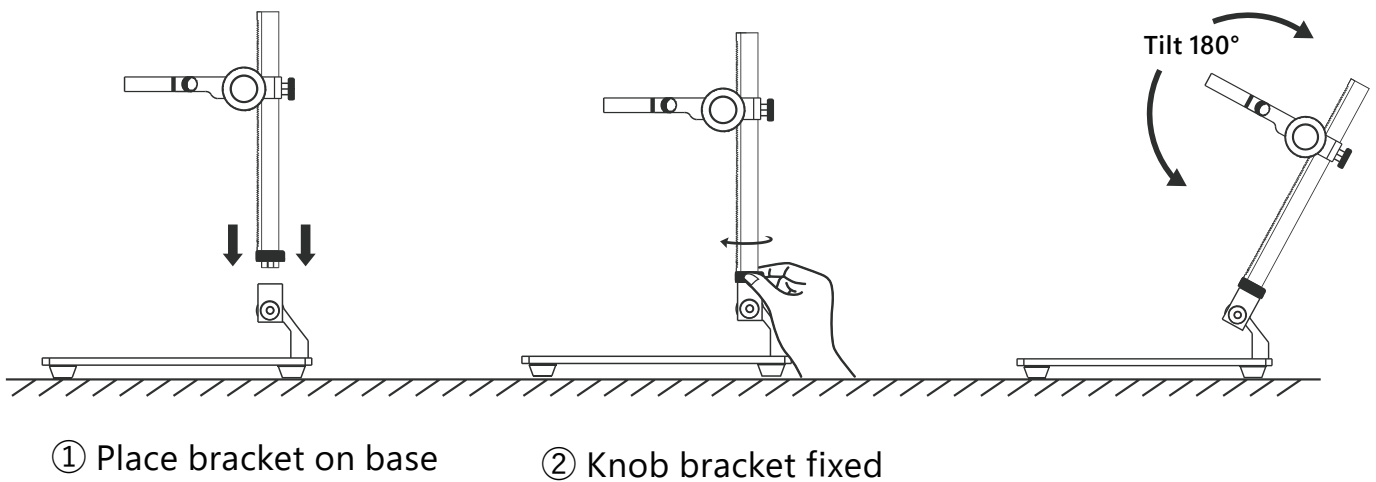
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Read Me First

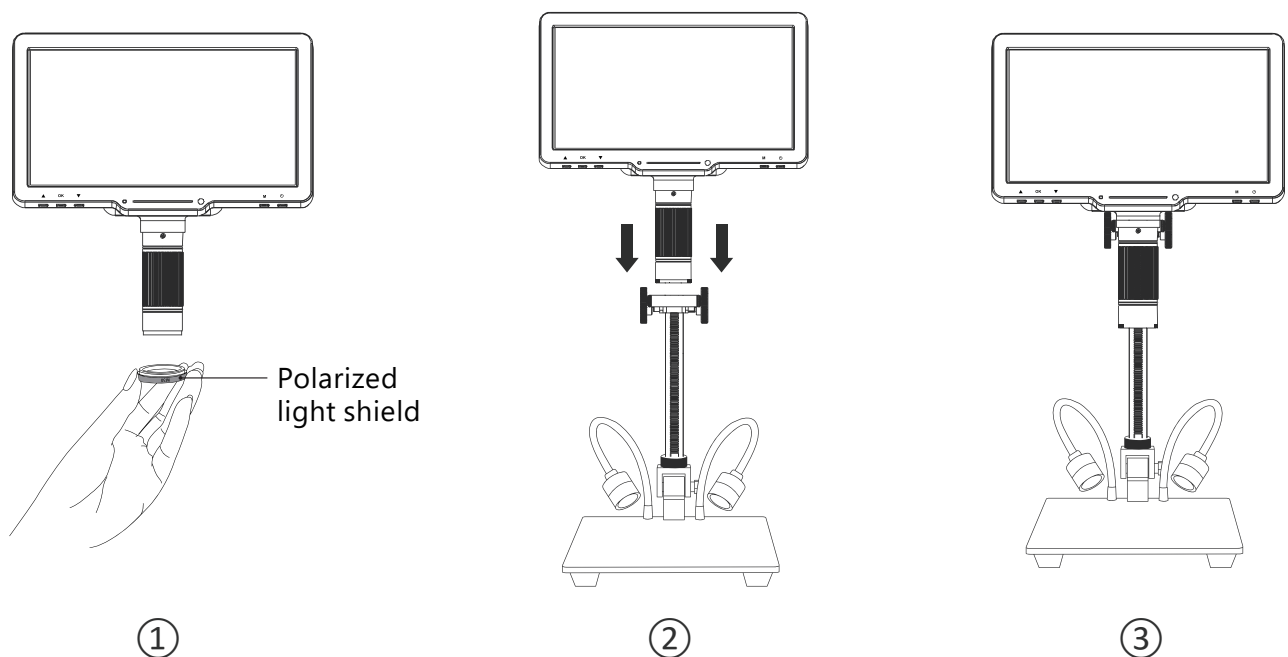
- Thank you for purchasing the LP101 digital microscope.
- Please read this user manual carefully and keep it for future reference.
- Pay attention to protect the lens part.
- The microscope can be used in hand or inserted as a desktop, with attention to avoid damage to the components.
- When placing items, place them directly below the center of the lens as much as possible. Avoid not seeing objects clearly and bringing about a bad experience.

Installation

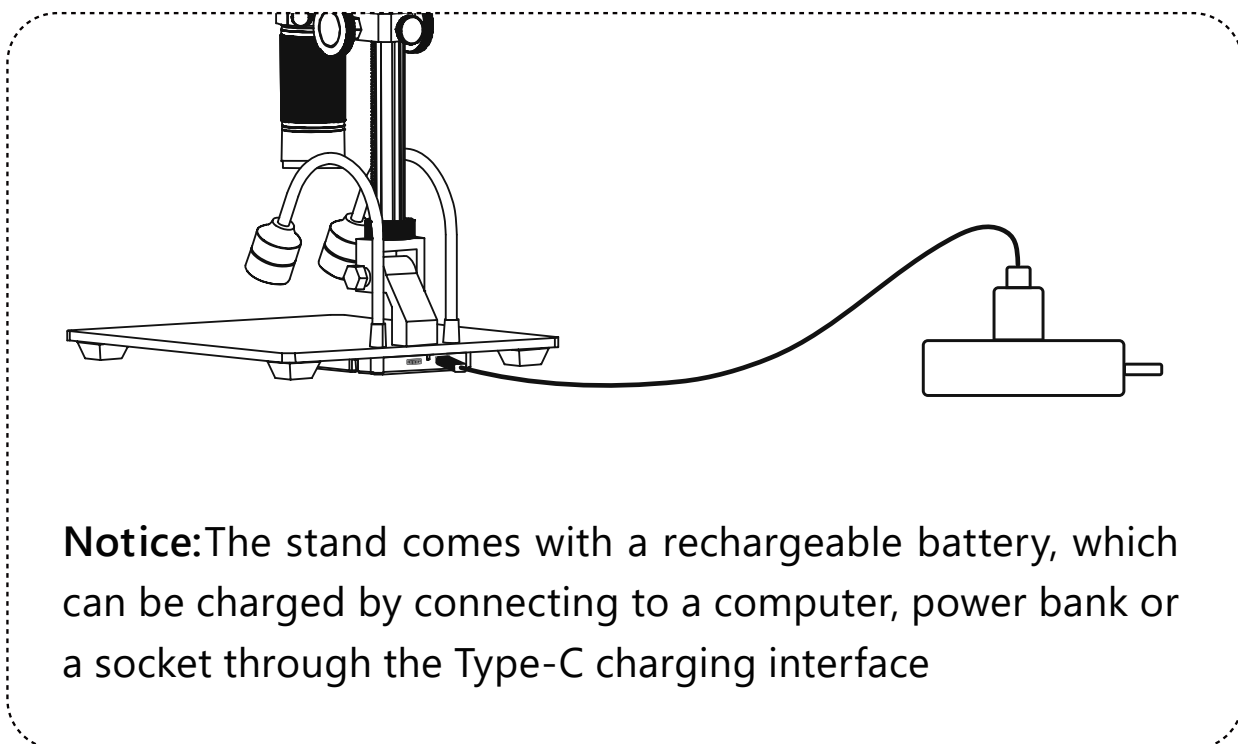
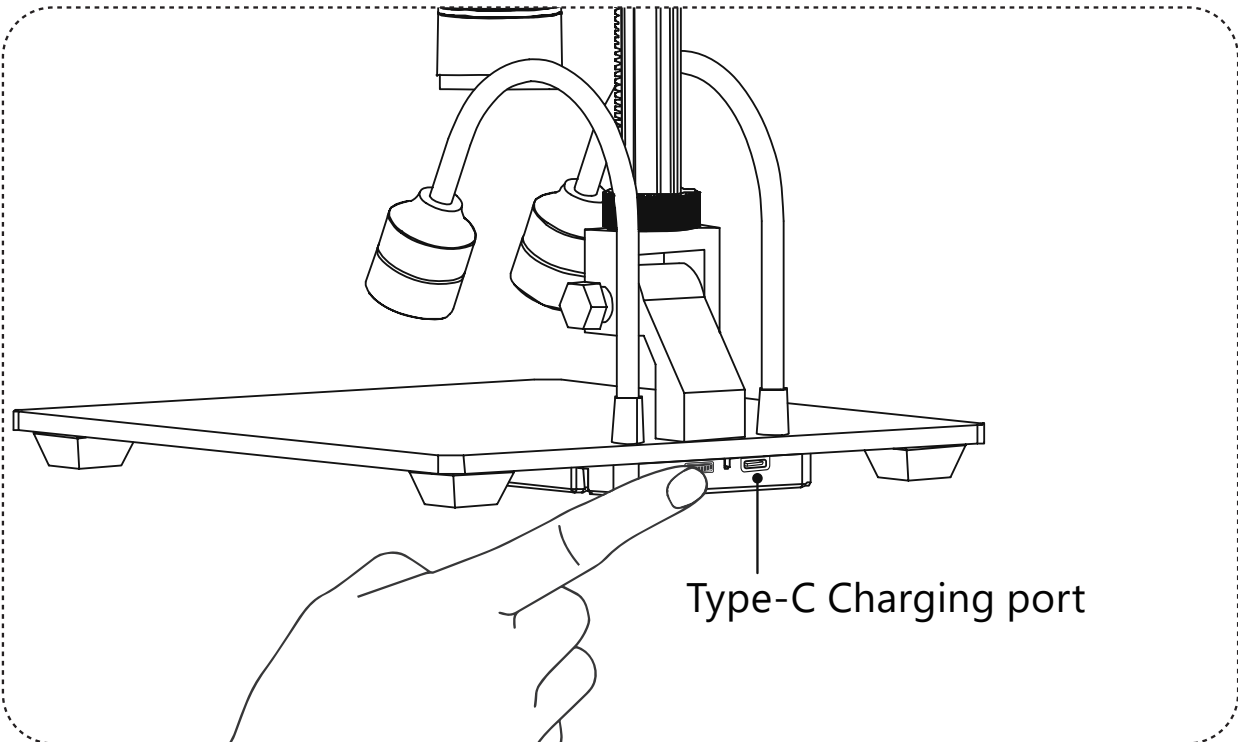
- **Bracket installation**



- **Microscope installation**

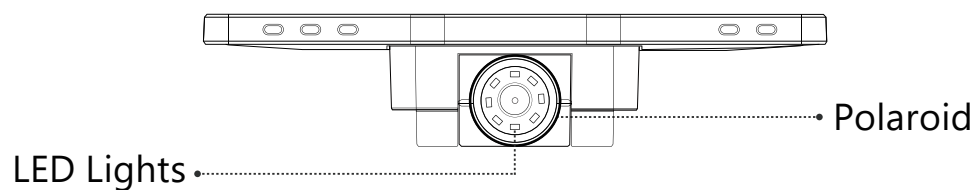
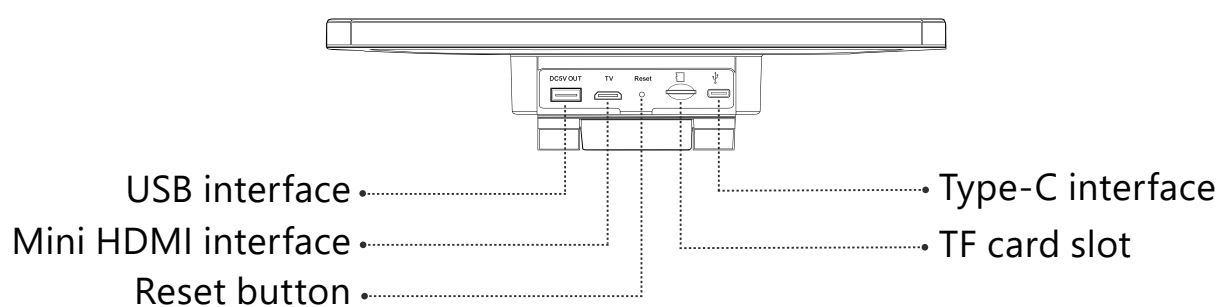
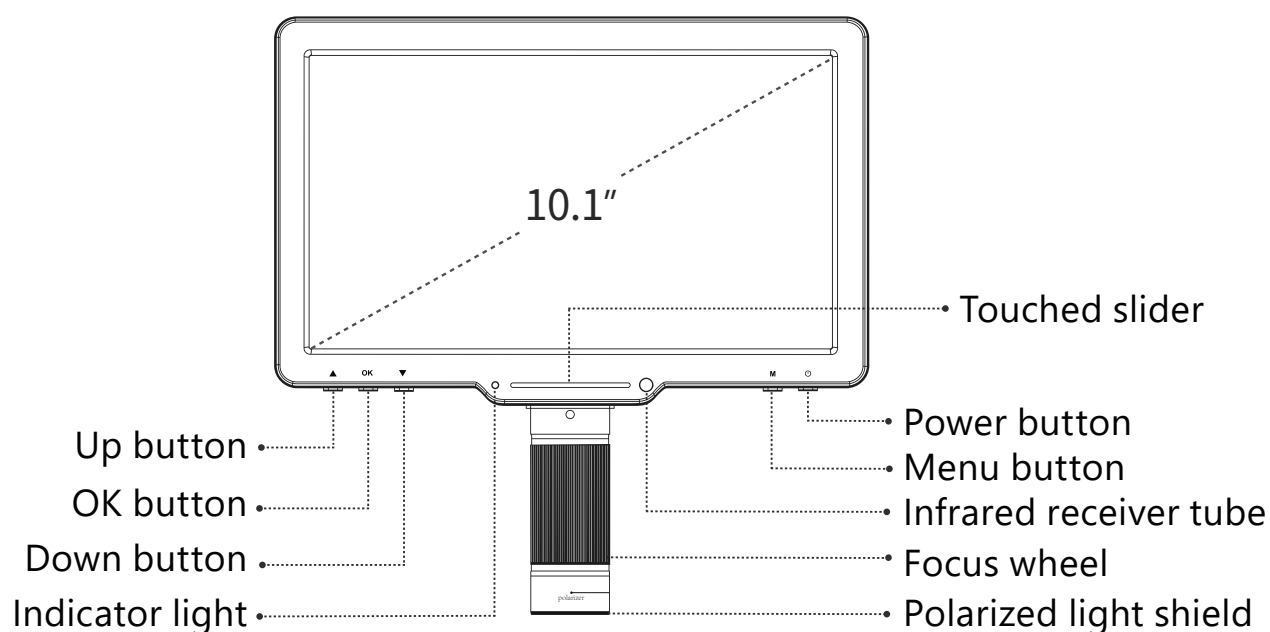


- Turn on Auxiliary Lights



Parts and Functions

* Notice: The picture is for reference only, please refer to the actual object



• Functions introduction

Up/Down button: When entering the Menu interface, it is the selection key; When entering the Photo and Video mode, it is the zoom in/out key.

OK button: When Photo mode, short press this key to take pictures and store them automatically; When Video mode, short press this key to start/end recording; When viewing video files in Playback mode, short press OK to play video; When entering the Menu interface, short press this key to confirm the selection.

Indicator light: The indicator light is blue long after power on; The indicator light is red long after charging, green long after full.

Touched slider: Touch and slide to adjust the brightness of the LED lights.

Power button: Long press this key for 3 seconds microscope on/off.

Menu button: Long press this key to enter the Menu interface, and then short press this key to exit the Menu or return to the previous level; short press this key to switch between three modes of Photo/Video/Playback.

Infrared receiver tube: Receive infrared signal from microscope remote control.

Focus wheel: Rotate this wheel to focus on the observation object, slowly adjust until the picture is clear.

Polarized light shield: When observing the easily reflective objects, you can rotate this to select the appropriate polarizing gear.

USB interface: Can be used to power the stand (when the microscope power below 20%, automatically stop power supply).

Mini HDMI interface: HD video output, connect to larger monitor through this interface.

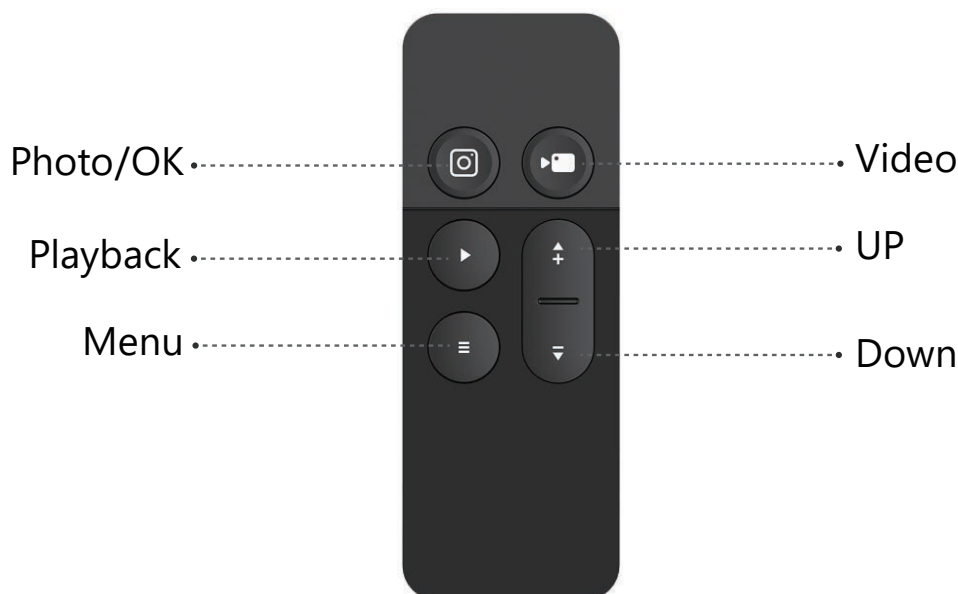
Reset button: When the microscope is abnormal, poke this hole with a fine pointed object to force the power off.

Type-C interface: This interface supports charging and data transfer.

TF card slot: Support maximum 32G memory card (Note: please use C10 high-speed card)

LED lights: When the observation environment is not enough light, it can make up light.

Function Introduction of Remote Control



• Remote control buttons description

Photo / OK: short press this key to switch to Photo mode, short press again to confirm photo; when entering Menu interface, short press this key to confirm selection; when viewing video files in Playback mode, short press this key to play / pause key.

Playback: short press this key to enter Playback mode, when previewing picture / video files, short press this key to return to the previous level.

Menu: short press this key to enter the Menu interface, short press this key again to exit the Menu.

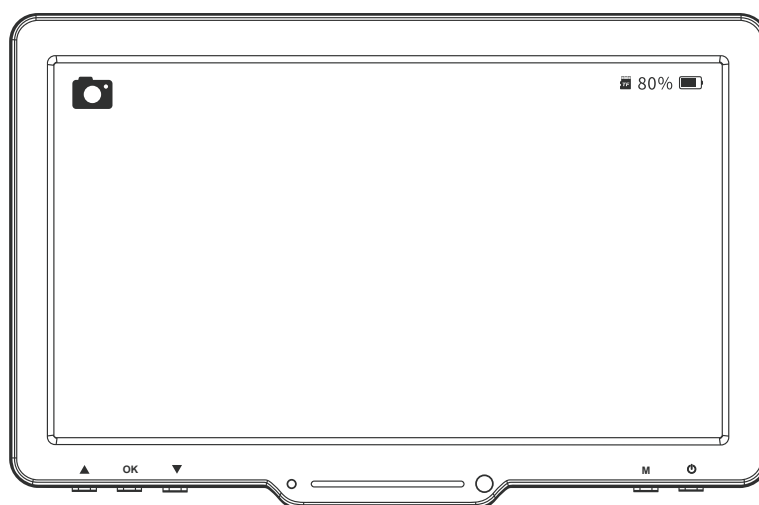
Video: short press this key to switch to Video mode, short press again to start / end video.

UP / Down: when entering the Menu interface, it is the selection key; when entering the Photo and Video mode, it is the zoom in / zoom out key.

Interface Introduction

• Photo mode

When the icon in the upper left corner of the microscope is "  ", it is in Photo mode; when the microscope is on, short press the Menu button on the microscope or short press the Photo button on the remote control, it can switch to Photo mode.



• Video mode

When the icon on the upper left corner of the microscope is "  ", it is in Video mode; when the microscope is on, short press the Menu button on the microscope or short press the Video button on the remote control, it can switch to Video mode.

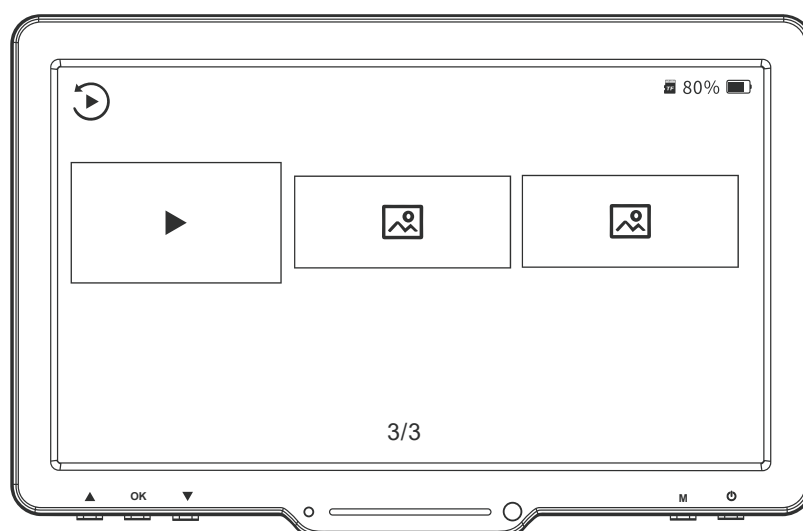


- **Playback mode**

When the icon in the upper left corner of the microscope is " ⏮ ", it is in Playback mode;

(Note: Before entering Playback mode, please insert the TF card into the microscope first)

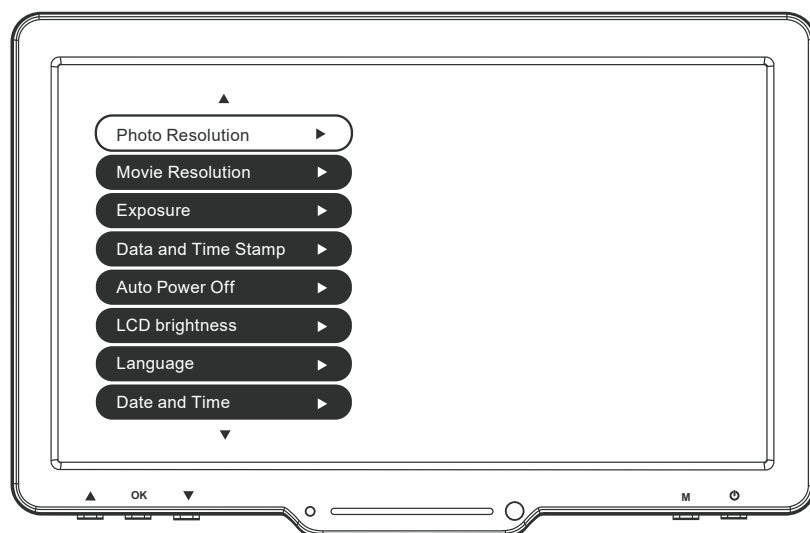
In the power on state, short press the Menu button on the microscope, or short press the Playback button on the remote control, both can switch to Playback mode.



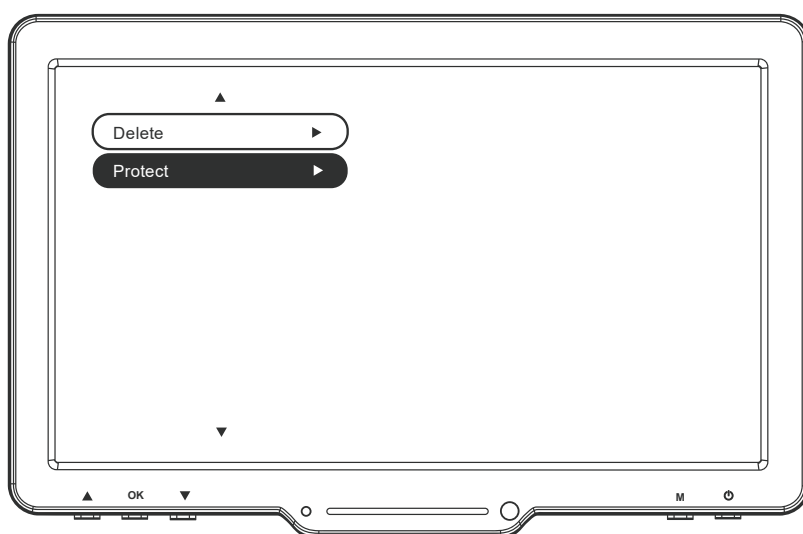
As shown in the figure, enter the Playback mode to view pictures and video files, view the pictures selected by pressing the OK key to view; view the video by pressing the OK key for play / pause; view the current picture/video file, you can press the up/down selection key to turn the page, or short press the Playback key again, you can return to the previous level to re-select the file you need to view.

• Menu interface

Long press the Menu button on the microscope, or short press the Menu button on the remote control, can enter the Menu interface, in the Photo/Video mode to enter the Menu interface, as shown in the figure below:



Enter the Menu when viewing a file in Playback mode, as shown below
(the current picture or video file can be deleted/protected)



- **Function introduction**

Photo Resolution: 2M, 3M, 5M, 8M, 10M, 12M, 16M, 20M, 24M.

Video Resolution: 720P, 1080P.

Exposure: -3.0 to +3.0, 7 exposure values to choose from.

Date Label: Select On, the date and time mark will be displayed in the lower right corner of the photo/video file; Select Off, the photo / video file will not display the date and time mark.

Auto Power Off: After selecting auto shutdown time, the microscope will shut down automatically when no one is operating; no auto shutdown, please select "Off".

LCD brightness: You can adjust the screen brightness according to the needs of the observation environment (a total of 10 kinds of brightness from 10% to 100% can be selected).

Language: Microscope language can be set. (Simplified Chinese, Traditional Chinese, Russian, Japanese, Korean, English, French, Spanish, Portuguese, German, Italian)

Date / Time: You can set the date / time parameter of microscope display.

Cross Line: Select on, in the photo/video mode, the microscope screen will have "+" auxiliary line display; no "+" auxiliary line, select "off" can be.

Power Frequency: Mains frequency setting.

Format: This operation will delete all data in the TF card. (Note: It will not be recovered after deletion, please operate carefully)

Default Settings: Restore factory settings.

Version: You can check the current firmware version.

Delete / Protect: When viewing a single picture or video in Playback mode, short press the Menu key, you can choose to delete or protect the files in TF, delete (you can choose to delete current / delete all), protect (you can choose to lock current / unlock current / lock all / unlock all). (Note: File protection, only when operating delete in the menu interface, the locked files will not be deleted. When formatting and connecting to computer memory mode, the locked files can also be deleted, so please operate with caution)

Work with PC

• Software download

* Note: The following 3 methods can be downloaded, please choose the appropriate version according to your computer system.

① Please download the applicable software from the following website: <http://soft.hvscam.com>

(Suitable for: Windows 7, Windows 8.1, Windows 10, Windows 11 and Mac)

 简体中文 |  English



HiViewSetup 1.4 for mac
Support: S4 X4 W01 DM3 DM4 DM7 DM8 DM9 MS1 MS2 MS3 MS4 MS5
 Click to read the instructions



HiViewSetup 1.4 for Windows
Support: S4 X4 W01 DM3 DM4 DM7 DM8 DM9 MS1 MS2 MS3 MS4 MS5
 Click to read the instructions



Amcap v3.0.9 for windows
Support: W01 DM1 DM2 DM3 DM4 DM7 DM8 DM9 MS1 MS2 MS3 MS4 MS5
 Click to read the instructions

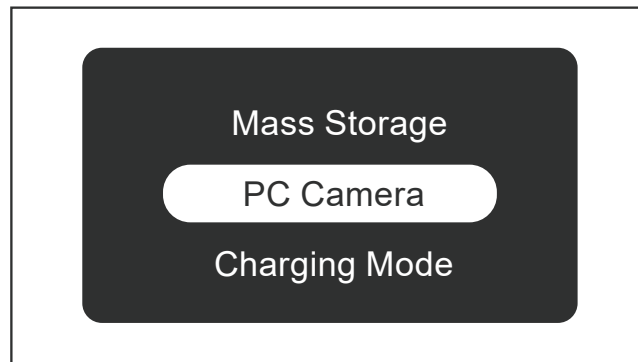
② For Windows, search for "HiView" in "Microsoft Store" ("  ")(Suitable for: Windows 8, Windows 10, Windows 11 and above), and you can also be viewed in Camera ("  ").

③ For Mac OS x 12 or above, search for "HiView" in "App Store", and you can also be viewed in Photo Booth ("  ").

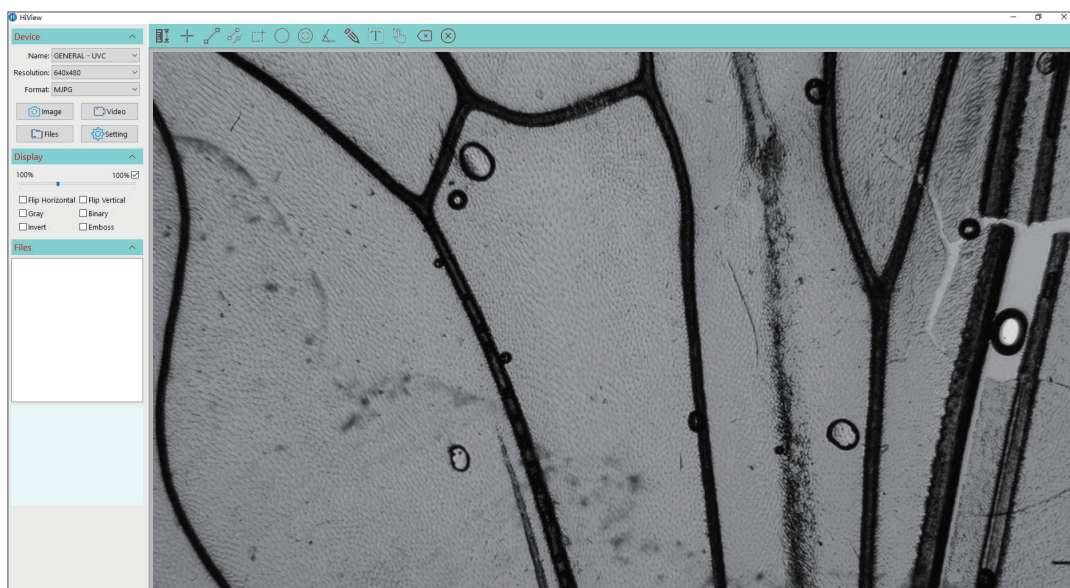
- **Operating steps**

Step 1. Connect the microscope to the computer via a Type-C cable.

Step 2. Long press the microscope power button to turn on, and the computer side of the successful connection screen pop-up window: Mass Storage/PC Camera/Charging Mode three modes, please select the "PC Camera" mode.

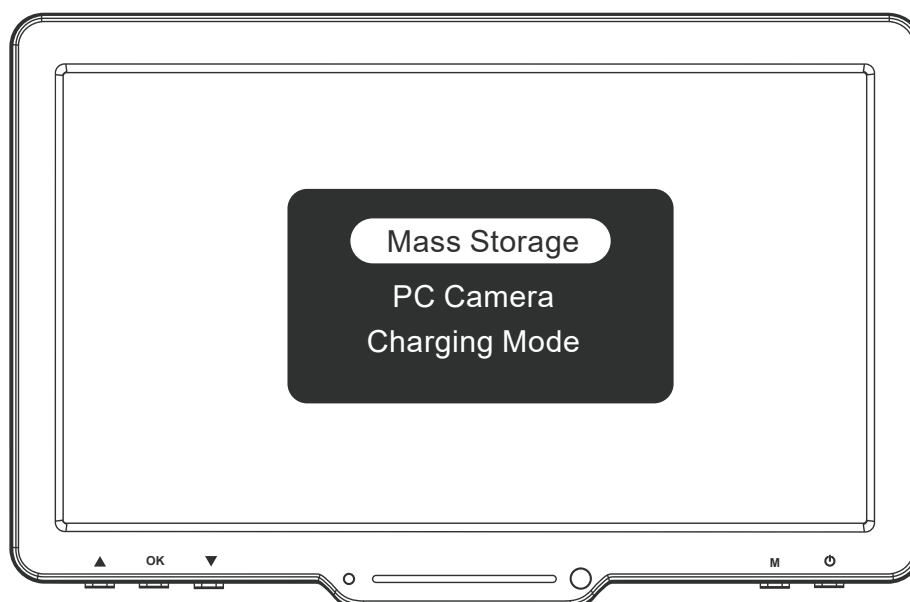


Step 3. Run Hiview, you can watch the image, at this time the photo / video files will be automatically saved in the computer disk. (Note: When connecting to a computer to watch images, please make sure you are using a cable with data transfer function)



- **Function select**

When the device is connected to the computer through a Type-C cable, the device can be used in **Mass Storage / PC Camera / Charging mode**.



- **Function introduction**

①**Mass Storage:** Enter the microscope memory from the computer side, you can view and process the current picture and video files in the TF card, at this time the microscope only Power button and Touched slider available.

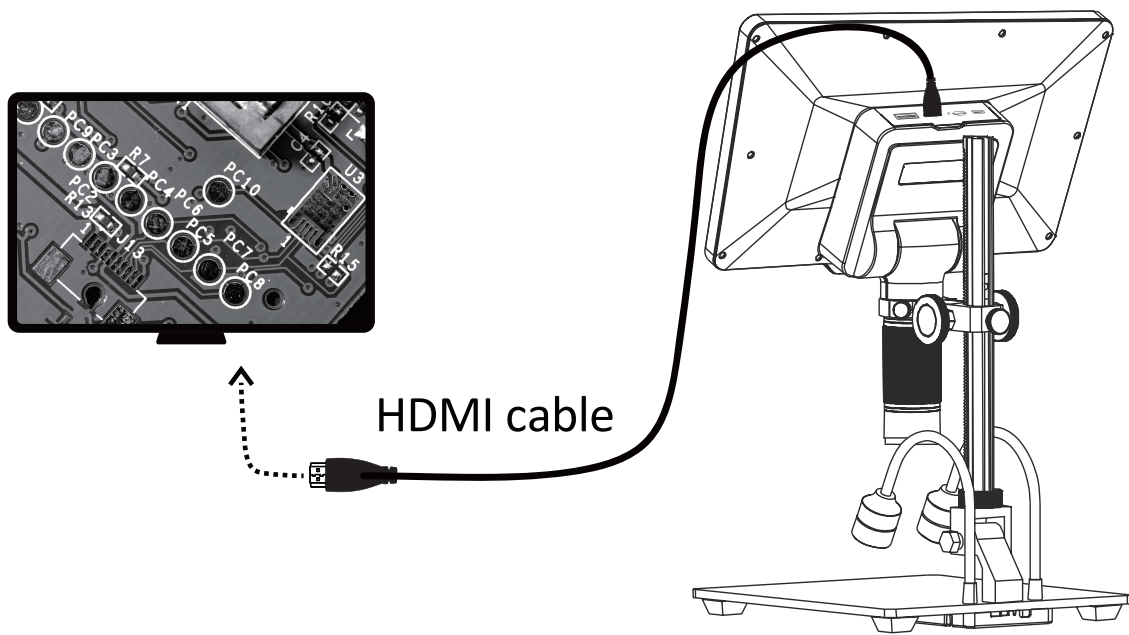
②**PC Camera:** After selecting this mode, you can get a larger magnification of the image through the computer camera software, at this time the microscope only Power button and Touched slider available.

③**Charging Mode:** When the microscope is low on power, you can use the microscope while charging, use Type-C data cable to connect the microscope and the computer side, the microscope is turned on, select Charging Mode, you can enter the charging state. (Note: you can also use daily cell phone charger, computer, rechargeable battery to charge the microscope)

Work with TV

- **Operating steps**

Step 1. Connect LP101 to the TV via a HDMI cable



Step 2. After successful HDMI connection, the microscope will be turned on and the image will appear on the display. At this time, microscope button and remote control button can be operated; when operating photo / video, the file will be automatically saved in TF card.

Specifications

Item	Specifications
Product Name	LP101
Video Maximum Pixel	1080P
Screen	10.1-inch IPS LCD display with 1024*600 resolution
Lens Optic Size	1/2.8"
Photo Resolution	2M, 3M, 5M, 8M, 10M, 12M, 16M, 20M, 24M
Video Resolution	720P, 1080P
Video Format	MP4
Focus Mode	Manual
Picture Format	JPG
Illuminant	8 LED lights (brightness adjustable)
PC Operating System	Windows 7, Windows 8.1, Windows10, Mac OS x 12 or higher
Interface and Signal Transmission Mode	Micro / USB 2.0 / Mini HDMI
Operating Temperature	-10°C ~ +55°C
Operating Humidity	30%~85%RH
Working Current	700mA
Power Dissipation	3.5W
Language	English, French, Spanish, Portuguese, German, Italian, Simplified Chinese, Traditional Chinese, Russian, Japanese, Korean

FAQ

Q: Could you let me how to charge it?

A: There is a USB cable that comes with the package. You can plug it in any normal phone charger adapter or connect it to your laptop or PC, and the charging time is about 3 hours.

Q: Can I see the whole coin?

A: Yes, of course, not only has the ability to connect to HDMI devices been upgraded, but the height of the stand has also been upgraded so that you can see the entire coin.

Q: Can the microscope be connected to cell phone?

A: No, this microscope is not compatible with cell phone.

Q: Can it connect to a computer for bigger view?

A: Yes, it supports not only connecting to your computer, but also to your TV.

Q: Can I see plant cells by this microscope?

A: Sorry, this is a digital microscope, not an optical microscope. You can't see the cells.

Q: How do I turn the bracket light on?

A: The light of LP01 stand has a separate function. At the rear of the base, there is a wheel for adjusting the light. The light of the stand can be switched on and off by adjusting it here.

Q: Do the lights on the stand need to be charged separately?

A: Yes, the lights on the stand need to be charged separately, the stand comes with a rechargeable battery, which can be charged by connecting to a computer, power bank or a socket through the Type-C charging interface.

Q: Do I have to download software on my computer to see the images?

A: Not necessary, if your laptop is Windows 10 or above, you can use the computer's default camera. If you're on a Mac, you can use your computer's default Photo Booth.