VEVOR®

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate www.vevor.com/support

DIGITAL MICROSCOPE

MODEL:W10

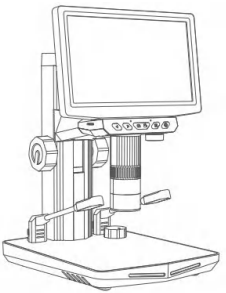
We continue to be committed to provide you tools with competitive price. "Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR®

TOUGH TOOLS, HALF PRICE

DIGITAL MICROSCOPE

W10



Please read this user manual carefully! Reading carefully will enhance your experience.

Please keep this user manual properly!

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us: **Tec**hn**ic**al **Sup**p**ort** and **E-War**ran**t**y **Certific**a**te**

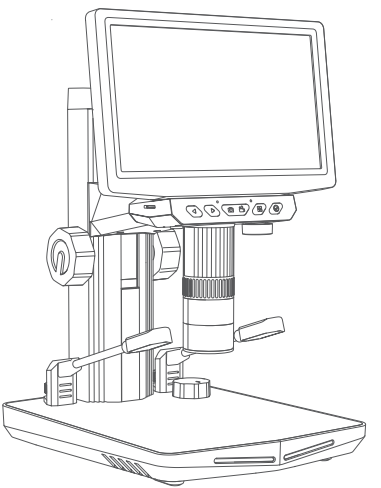
www**.vevor.com/su**pp**ort**

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

DIGITAL MICROSCOPE

User Manual

Model：W10



Thank you for purchasing this device.
Please read this manual carefully before using it.

Product Overview

1. Thank you for purchasing the digital microscope device. Before using it, please read this user manual carefully.

2. This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

(1) This equipment will not cause harmful interference

(2) This equiment must accept any interference received, including interference that may cause unitended operation.

FCC Radiation Exposure Statement:
This equipment complies with the FCC rediation exposure limits established for uncontrolled environments.

Important Notes

1. Please fully charge the product before first use. Please do not charge directly through the PC, but choose a 5V-2A adapter.

2. This product is not a biological microscope and is not suitable for cell biology research.

3. This product cannot be accurately read microscope magnification, it is a combination of digital and optical magnification microscope, the specific magnification effect is subject to the actual picture taken.

4. When the battery is low, both the storage mode and camera mode cannot be used normally. This is not a product failure.

5. Please protect the lens carefully and make sure to cover the lens with the cap after use to prevent dust or foreign objects from entering.

6. Please pay attention to the placement of specimens or other objects to be observed, and try to place them in the center of the lens directly below. This will avoid unclear observations and ensure a good user experience.

7. Do not disassemble the product or component struture by yourself to avoid abnormal equipment use.

Accessories and tools

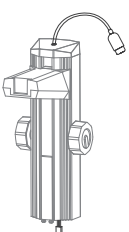
Hex key x1

Screws x 4

Remote control x1

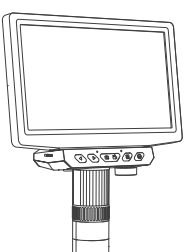
Data cable x1

HDMI cable x1

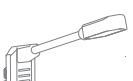


Column x 1

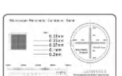
Base x 1



Screen x1



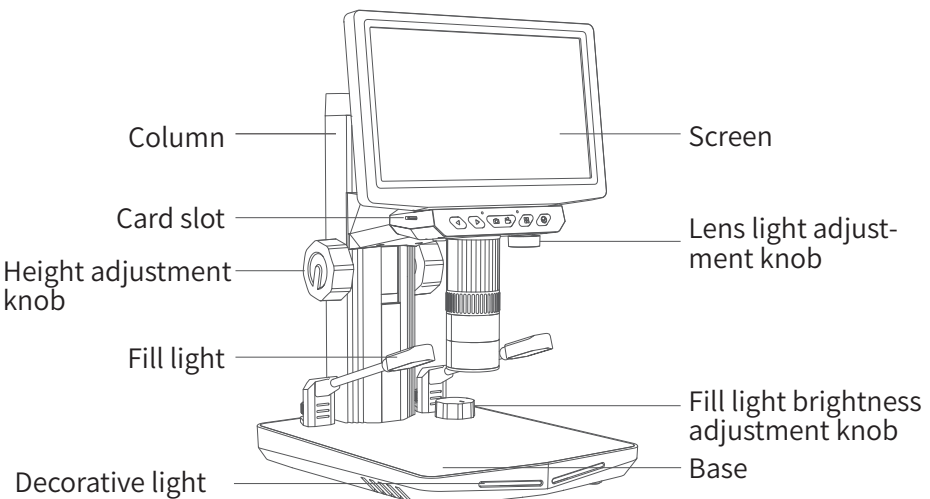
Fill light x2



Micrometer Calibration Ruler X1

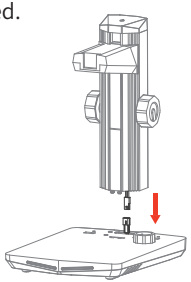
How to assemble

Microscope components

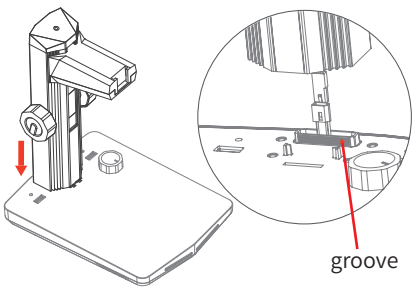


How to assemble

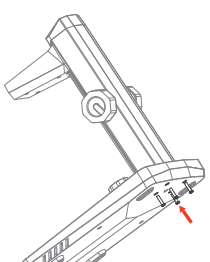
1. Connect the both by the connectors as illustrated.



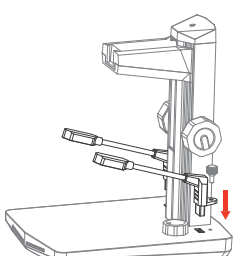
2. Align the column with the groove and insert it.



3. Insert four screws into the base to fix the column.

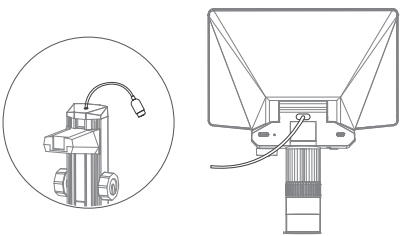


4. Insert the fill light into the USB port.

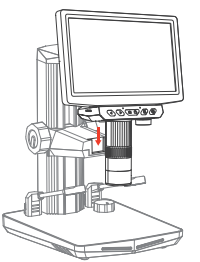


How to assemble

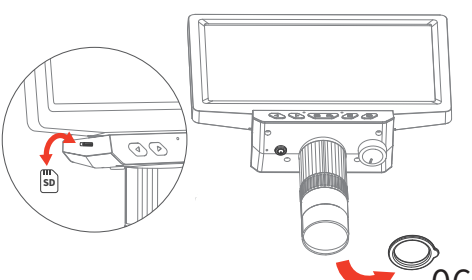
5.The Type-C on the top of the column is connected to the host as illustrated .



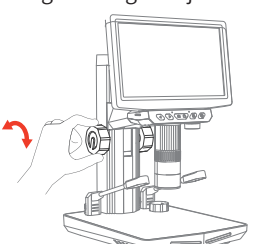
6. Insert the latch at the back of the host into the dovetail slot on the column.



7. Insert the memory card and remove the lens cap. (The memory card is installed.)

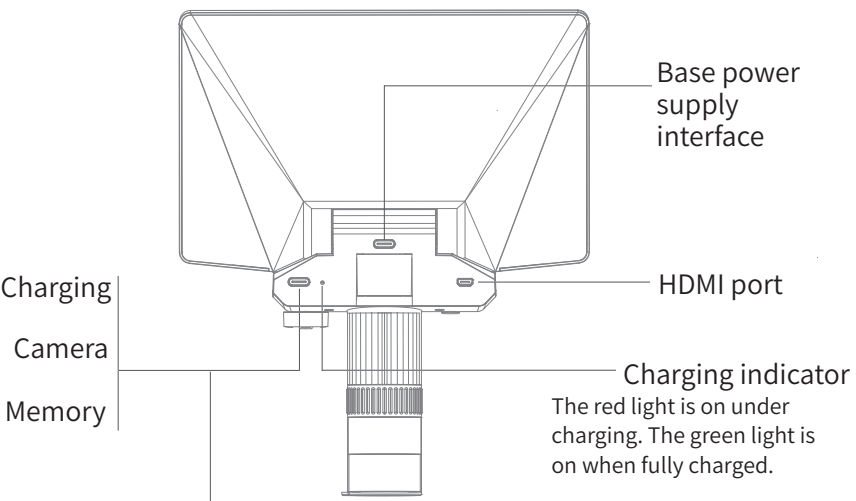


8. Adjust the height of the host to a suitable level by using the height adjustment knob.



Function Introduction

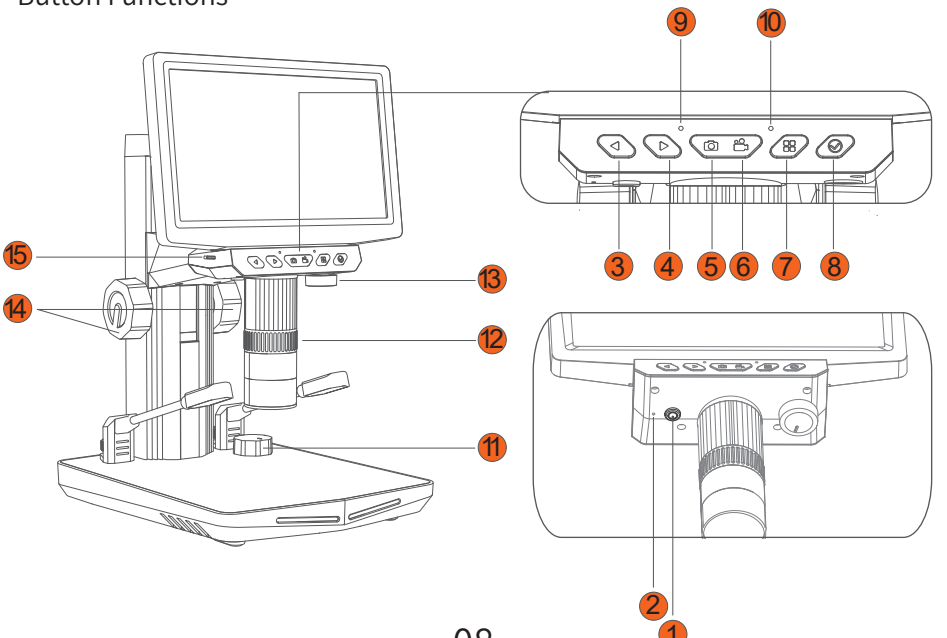
Interface usage instructions



Please refer to page 22 for instructions on how to operate after connecting the device to the computer using Type-C.

Function Introduction

Button Functions



Function Introduction

1 Power button
Press and hold for 3 seconds to switch on/off the device

2 Reset button
Reset to the original factory defaults.

3 Left button
Move up/Zoom in/Page up

4 Right button
Move down/Zoom out/ Page down

5 Photo button
Take a photo

6 Video button
Start recording/End recording

7 Menu button
Open the menu/Exit the menu

8 OK button
Confirm selection/Play/Pause

9 Status indicator light
Steady on after power on
Goes off after power off

10 Infrared sensor
Receiving infrared remote control signals

11 Fill light adjustment knob
Left for bright
Right for dim

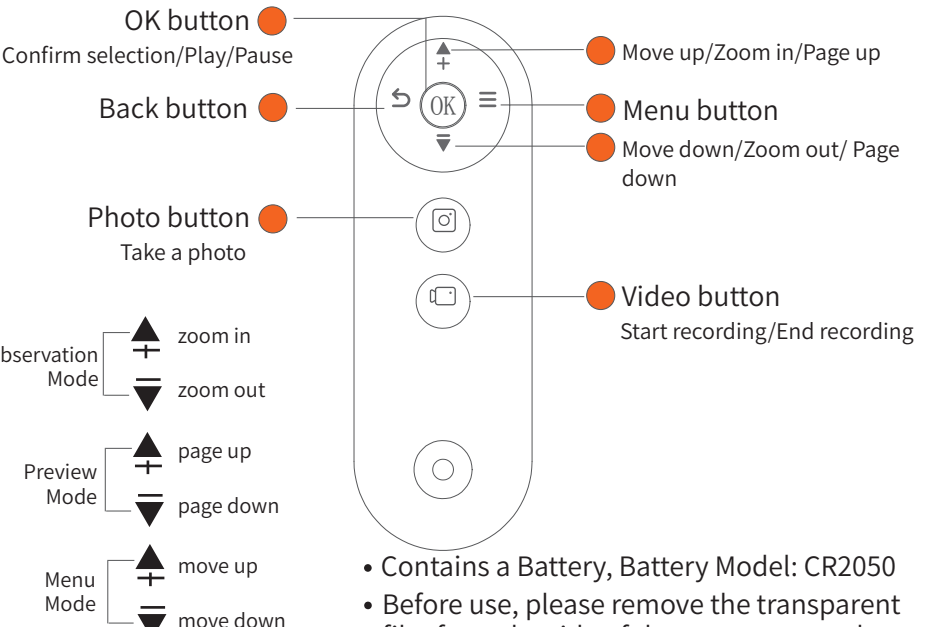
12 Focus ring
Magnification adjustment
Microscope optical focus adjustment

13 Lens light adjustment knob
Left for dim
Right for bringt

14 Height adjustment knob
Adjust the host to the appropriate height.

15 TF card slot
Support expansion 0-64G TF card

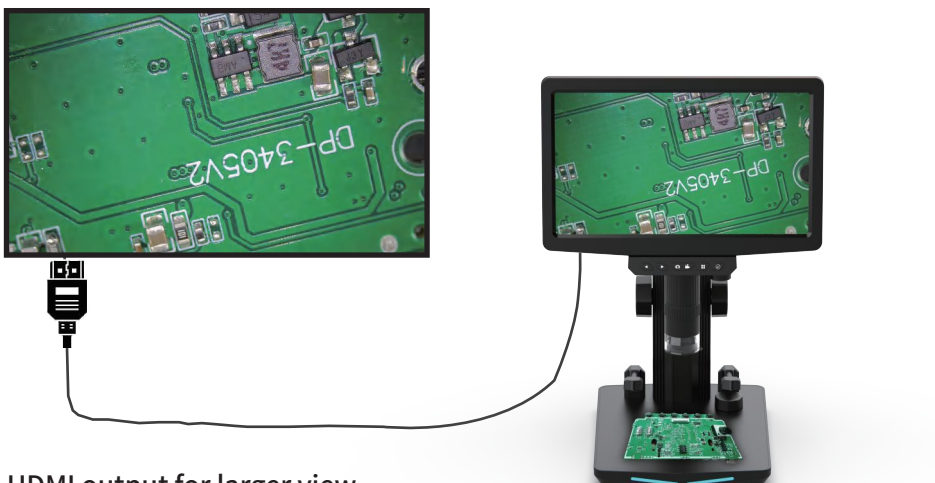
Remote Control



- Contains a Battery, Battery Model: CR2050
- Before use, please remove the transparent film from the side of the remote control.

Function Introduction

Supports connection to HDMI display



HDMI output for larger view

Connect the microscope to the screen via an HDMI cable, then turn on the device, and you can watch it simultaneously on the large screen.

Overall Parameters of Microscope

Lens	Lens pixels	2 MP
	Magnification	1300X
	Focusing mode	Manual
	Focusing Distance	0-40 mm
	Video resolution	720/1080
	Photo resolution	2-48M
	Video format	MP4
	Photo format	JPG

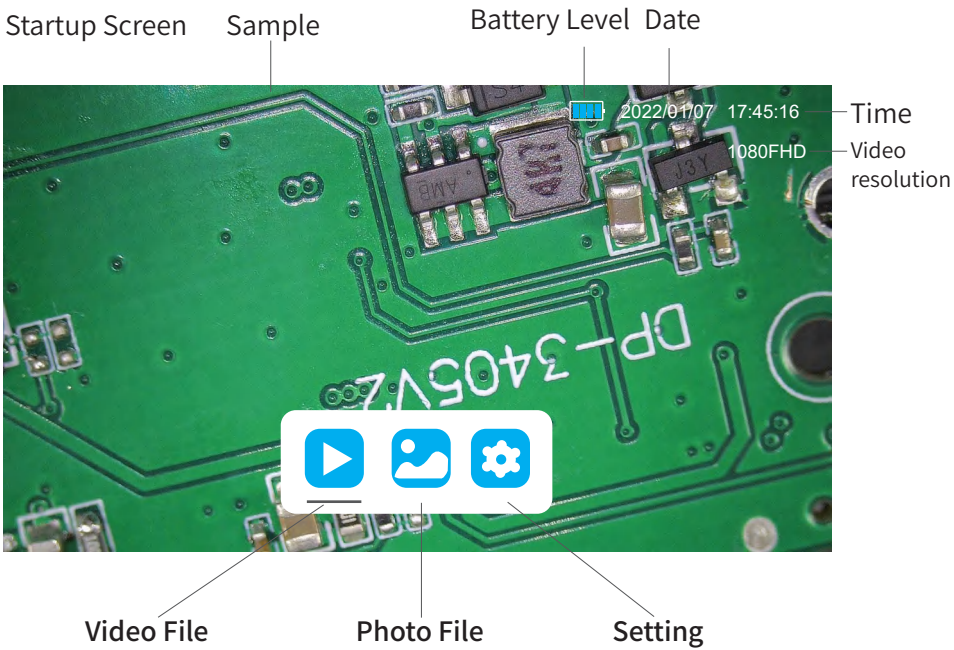
Overall Parameters of Microscope

Screen	Screen size	10.1″ IPS
	Screen resolution	1024*600P
Other	Model	W10
	Input voltage&current	5V/2A
	Battery capacity	4000mAh lithium battery
	Working time	2.5hrs
	Charging time	2.5hrs
	TF capacity	Support expansion 0-64GB Only support high-speed storage cardof class 10 or above, not including class 10

Overall Parameters of Microscope

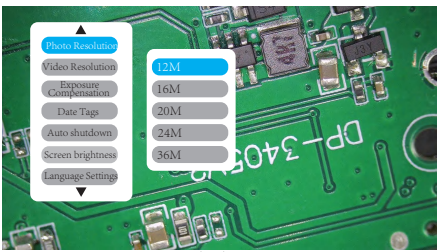
Other	Material	Aluminum Alloy+ABS+PC
	Operating temperature	-10°C ~55°C
	Camera temperature	-10°C ~55°C
	Light source	8 high brightness LEDs 2个LED fill light
	Operating systems	Windows 7and above MacOS 11.0 and above
	Languages	Simplified Chinese/Traditional chinese/English/Français/ Deutsch Español/Italiano/Português/ Japanese

System Interface Guide

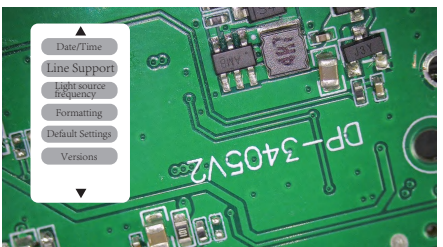


System Interface Guide

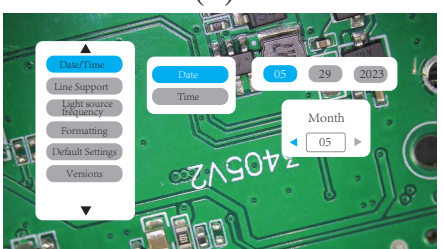
Settings Interface Functions



(1)



(2)



(3)

1. Setting: After powering on, the device defaults to the observation mode. Click " ⊞ " button and then click the " ▶ " button to select settings " ⚙ ", click" ✓ "button to enter the settings page, as shown in pictures (1) and (2):

2. Date/Time: Click " ◀ "" ▶ "button to select Date/Time and then click " ✓ "button to enter the settings page. Click " ✓ "button once to switch between year/month/day, and click" ◀ "" ▶ " button to adjust the digits, as shown in pictures (3):

System Interface Guide

Settings Interface Functions

Photo Resolution

Adjust the size of the output image resolution, the higher the resolution, the clearer the image, but the more memory it occupies. The image resolution is divided into：2M、3M、5M、8M、 10M、12M、16M、20M、24M、36M、 48M。

Video Resolution

Change the output video resolution, the higher the resolution, the clearer the image, but the more memory it occupies. The video resolution is divided into720P/1080P.

Exposure Compensation

Exposure compensation is a method of exposure control, with a range of about ±3-3EV. If the ambient light is dim, you can increase the exposure value (such as adjusting to +1EV, +2EV) to highlight the clarity of the image.

Date Tags

Turn on/off the display of date label.

System Interface Guide

Settings Interface Functions

Auto shutdown

Set the automatic shutdown time for the device, you can choose to automatically shut down or turn off the function after 5-60minutes.

Language Settings

Switch device language (Simplified Chinese/Traditional chinese/English/-Français/ Deutsch Español/Italiano/Português/ Japanese)

Line Support

Turn on/off the line assistance function.

Formatting

Initialize the TF card.

Screen brightness

Adjust the device screen brightness (10%-100%) according to the observation needs.

Date/Time

Set the date and time

Light source frequency

Select 60-50Hz in the frequency of the light source.

Default Settings

Restore system default settings.

Versions

Device system version.

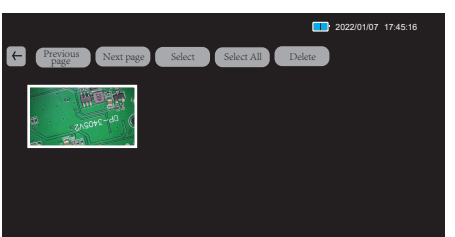
System Interface Guide

- If the device has sufficient battery power, you can use it directly. The following are the operating instructions without charging.

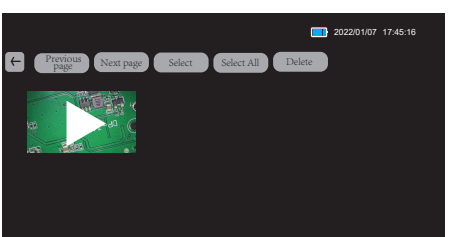
- If you want to use the device while charging, please refer to the settings on page 24.

1. Take a photo / Record a video: After powering on, the device defaults to the observation mode. Click " " button for taking a photo or click " " button for recording and click ," " button once for ending the record.

2. Photo Preview: Click " " button to enter menu mode, click " ▶ " button to select , " " , click " " button to enter the photo browsing page, as shown in pictures (1).



(1)



(2)

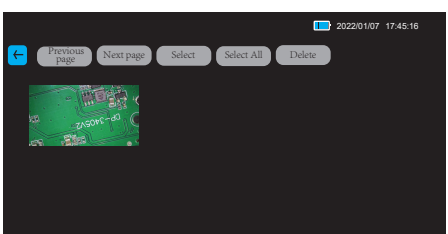
System Interface Guide

3. Video Playback: Click " ▪▪ " button to enter menu mode, click " ▶ " button to select , " ▶ ", click " ✓ " button to enter the video browsing page, as shown in pictures (2).

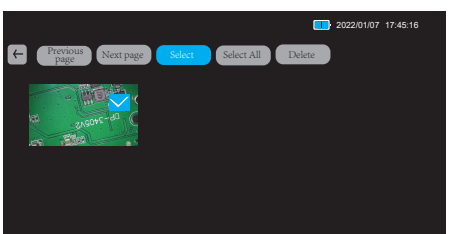
4. When browsing page, click " ▪▪ " button 1-2 times to position it at the top left corner of the screen " ← " , as shown in pictures (3):

a. Page switching: Click " ◀ " " ▶ " button to select "Previous Page/Next Page" and click " ✓ "button to flip the page.

b. Delete file: click " ◀ " " ▶ " button to select Select , click " ✓ " button to select, click " ▪▪ " button to locate to Select as shown in pictures (4), and then click " ▶ "button to select Delete , click " ✓ "button to finish.



(3)

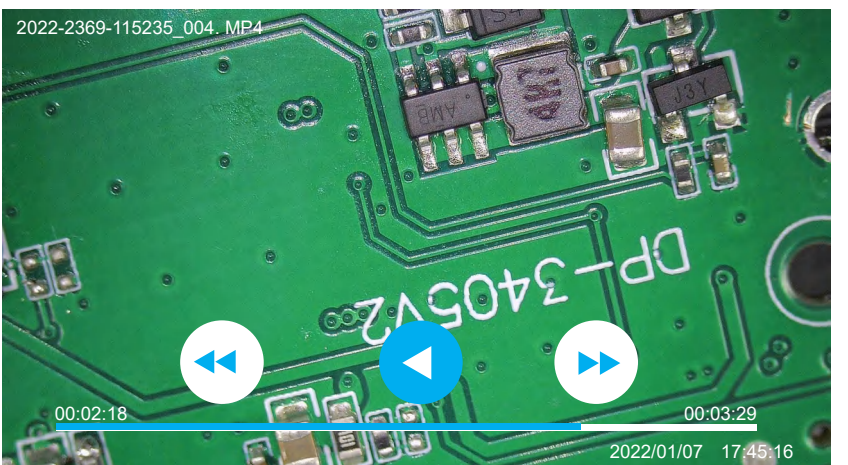


(4)

System Interface Guide

5. When viewing photos in full-screen mode click " ◀ "" ▶ "botton for page turning .

6. When video playback, click " ◀ " button to rewind, click " ▶ " button to fast forward, click" ⌵ "button to pause/start. As shown :



Usage Instructions on computer

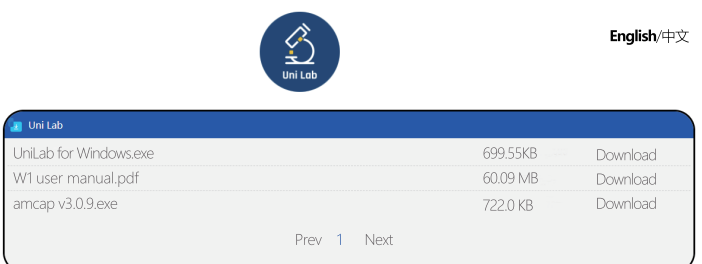
Different systems require different software. Please choose and download the corresponding software based on your system.

Download for Windows system (Supports Windows 7/8/9/10/11 or higher versions):

① When using Windows 7 and above,download the application "UniLab"

Download link：http://www.weetool.net

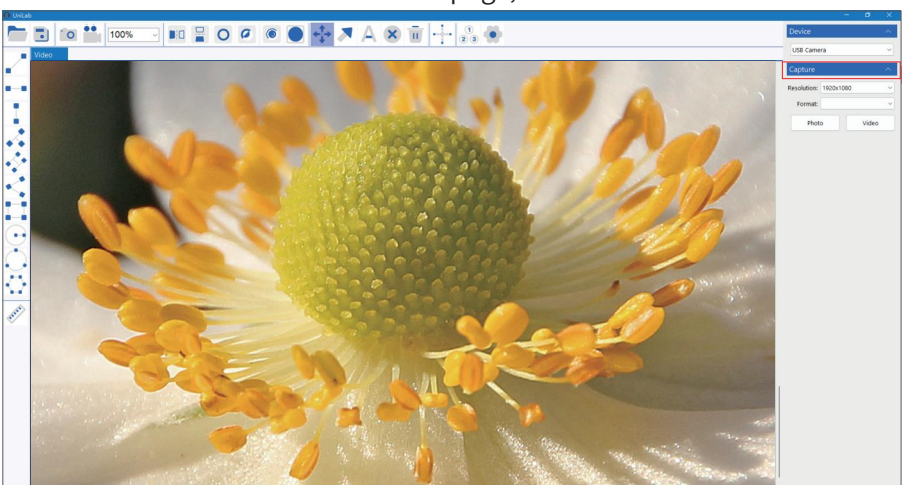
Select **UniLab for Windows** or **amcap v3.0.9** for loading, as shown：



Usage Instructions on computer

② When using Windows 10 and higher versions, search for the software in the Microsoft Store"**UniLab**" or use the pre-installed software on your computer called " **Camera** "

Software "unilab" page, as shown:



Usage Instructions on computer

Software “Camera” page, as shown:

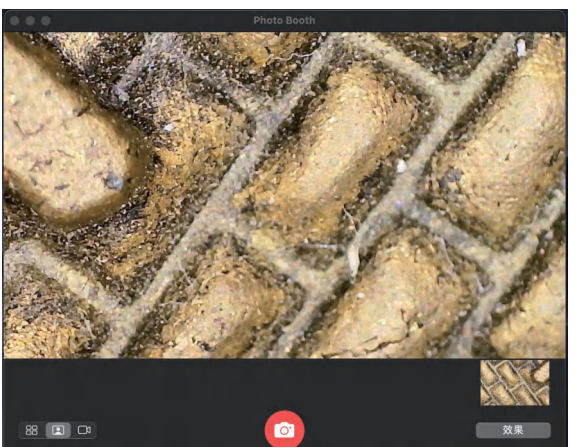
Note: To switch the camera, click button located at the top right corner of the screen. If the image still cannot be captured, please adjust the privacy settings of your camera.

Usage Instructions on computer

For Apple systems (Supports macOS X 11.0 or higher versions):

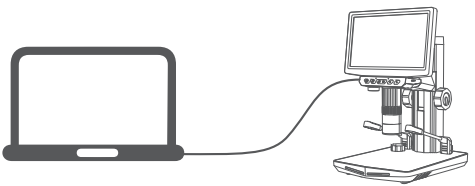
③ Using the pre-installed software on your Apple computer called "**Photo Booth**"

Software "Photo Booth" page, as shown:



Usage Instructions on computer

1. Connect the Type-C cable that comes with the original packaging to USB port of the computer.



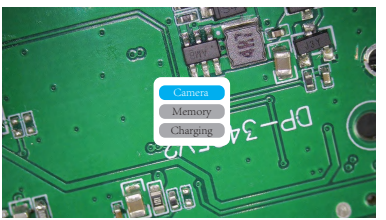
2. After powering on，click " ▶ "button to select Camera as shown in pictures(1), click , " ⊘ " button as shown in pictures (2), You can watch by opening the software on your computer. (Please refer to pages 21-24 for the software startup page.)

Note: At this time, the microscope screen does not display images, and the button functions cannot be used. This is a normal phenomenon. (The brightness adjustment button, focus ring, and power button can be used normally.)

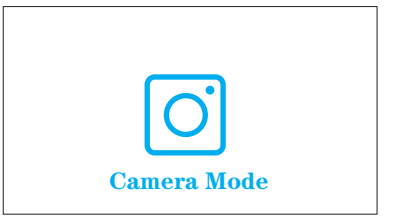
3. After powering on，click " ▶ " button to select Memory as shown in pictures(1), click , " ⊘ " button as shown in pictures (3), You can read, write, and format on the computer side.

4. After powering on，click " ▶ " button to select Charging as shown in pictures(1), click , " ⊘ " button as shown in pictures (4), At this time, the microscope directly displays the observed object.

Usage Instructions on computer

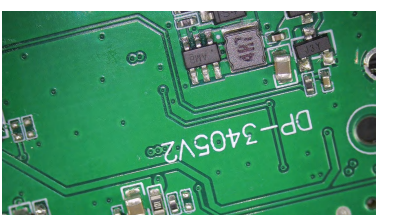


(1)



(2)

(3)



(4)

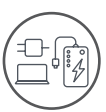
Microscope Troubleshooting

Problem description	Causes	Solutions
Device cannot be charged.	① The charging port is not securely plugged in. ② No power source is connected. ③ Device malfunction.	① Re-plug the interface firmly. ② Connect the power supply.
Device cannot connect to computer software side.	Loose connection, damaged data cable, or not using a connection cable with data transfer functionality.	Re-plug the interface, replace the data cable, or use a data cable with data transmission function to reconnect and use.
The image blurriness caused by the lens.	①The object is not directly below the camera lens. ②The focal length is not adjusted to the optimal position. ③The lighting is not being used correctly. ④The lens is fogged up	① Check the placement of the object. ②Refocus. ③Adjust the lighting properly. ④Wait for the temperature to stabilize. Use it again after the fog has dissipated for a while.
Product cannot be turned off or buttons are unresponsive.	Crash	Please perform a reset and restart.

Operating Environment

Storage Environment

- Store in a cool, dry place away from direct sunlight for daily use
- Avoid storing the microscope in places where there is a risk of falling. Falling may cause deviation of the internal lenses or damage to other components, as well as other irreparable damage issues.



You can charge the microscope using a regular phone charger, computer, or power bank.

Please do not exceed 12 hours of charging time to avoid affecting the battery's lifespan.

- During the charging process, it is normal for the microscope shell and battery to have slight heating, please use it with confidence.

Please use it in an environment between -10°C and 45°C.

Please avoid themicroscope being splashed with water, drinks, or corrosive liquids.

Please avoid placing the microscope near heat sources, open flames, and flammable or explosive gases or liquids.

Please avoid impacting and violently shaking the microscope.

Address: Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

Imported to AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW 2122 Australia

Imported to USA: Sanven Technology Ltd., Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

EC REP
SHUNSHUN GmbH
Römeräcker 9 Z2021,76351
Linkenheim-Hochstetten, Germany

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