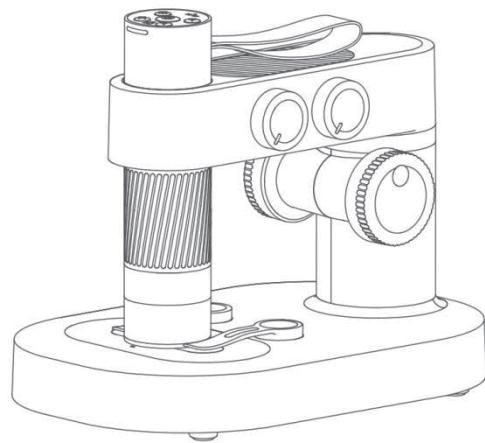


# DDL-M1 Intelligent Microscope

## Operating Instruction V1.0





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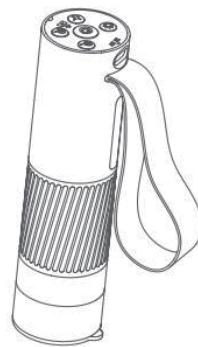
## Notice for Use

- ☞ Please read this manual carefully and use it correctly.
- ☞ Pay attention to the protection of the lens part, be sure to close the lens cover after use, to avoid dust or foreign matter.
- ☞ This microscope can be used by hand, or can be inserted into the base as a table. Pay attention to the strength of the insertion to avoid damaging the components.
- ☞ When placing the specimen, please pay attention to the position, and place it as far as possible in the center of the lens right below. Avoid having a bad experience with blurred objects.

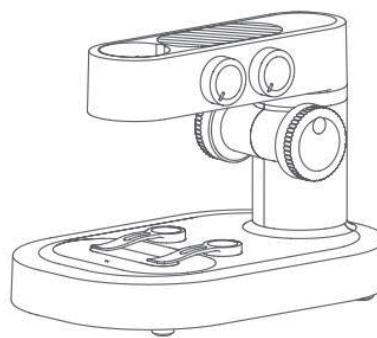
## Product Introduction

### ① Microscope Installation Instructions

Microscope Structure



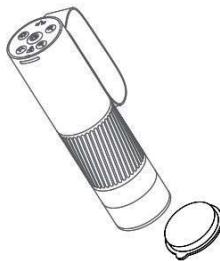
Microscope monomer



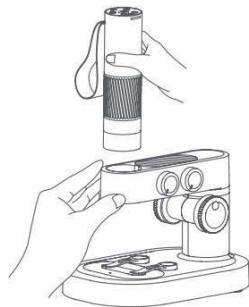
Microscope base

## ② Microscope Stand Installation Instruction

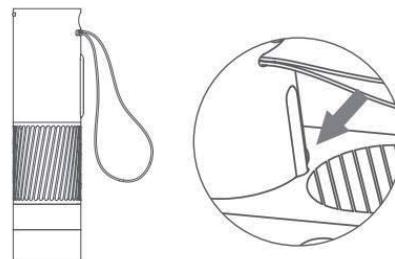
**Step 1.** Remove the cover of the microscope monomer lens.



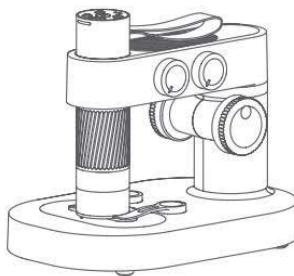
**Step 3.** Holding the base with one hand, insert the microscope monomer vertically down into the mounting hole.



**Step 2.** Hand strap facing the rear, the rear slot should be aligned with the mounting hole.



**Step 4.** Insert it to the bottom (focus wheel is all exposed).

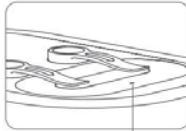


### ③ Charging Instruction



The indicator light on microscope monomer

- When the microscope monomer is low battery, the power indicator blue light flashes quickly.
- The red light is always on when charging, and the indicator goes off when full.
- During charging, if there is slight heat in the microscope shell and battery, please rest assured that it is normal.

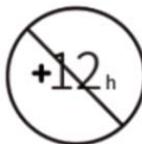


The indicator light on microscope base

- When the microscope base is low battery, the power indicator light flashes red.
- The red light is always on when charging, and the green light is always on when full.

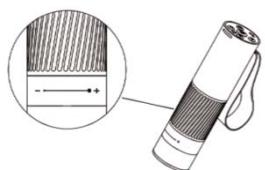
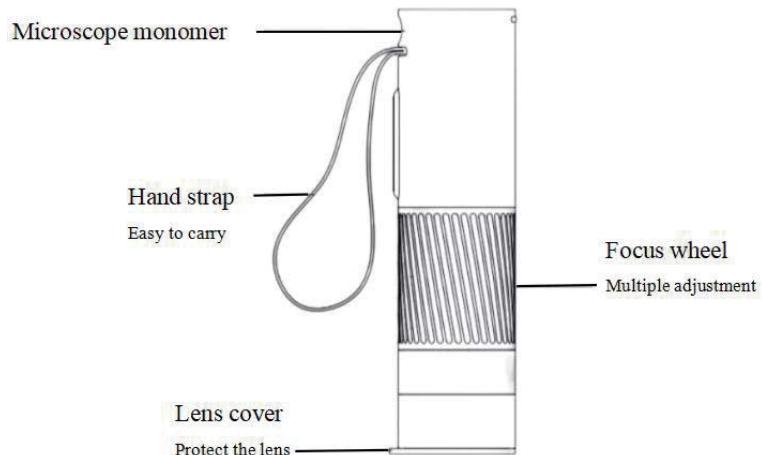


You can charge device by your daily phone charger, computer, or power bank.



Charging time should not exceed 12h to avoid affecting the battery life.

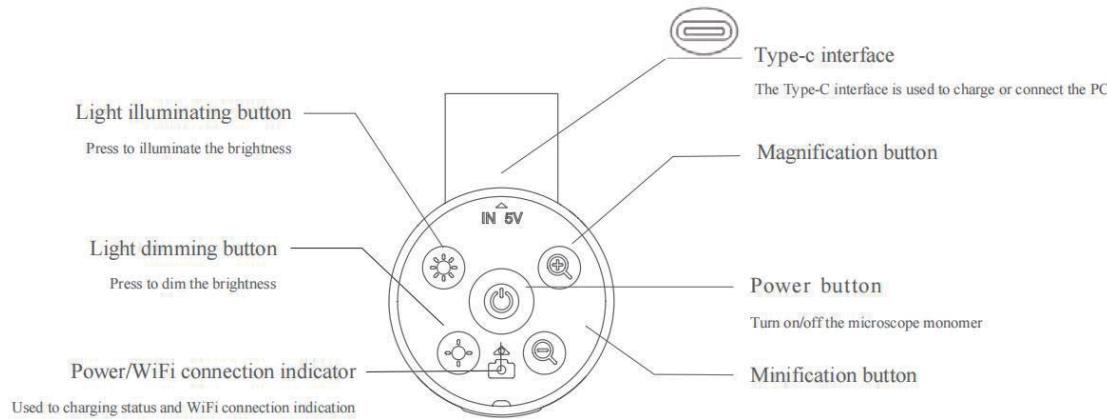
#### ④ Microscope Monomer Introduction



##### Focus wheel:

- Counterclockwise rotation: zoom in
- Clockwise rotation: zoom out

(Notice: There are two magnifications to rotate the focus wheel at the same distance. Lifting knob on the base and magnification /minification button can also be adjusted for multiple, when adjusted the focus wheel, lifting knob and magnification /minification button together, the maximum magnification is 400 times.)



**Power button:** Long press the button for 3s, and the light on the microscope monomer or the light on the microscope base will light up, which means the microscope has been turned on. Press for 3s again, when the light goes out, means the microscope has been turned off.



**Power/WiFi connection indicator:** When the battery is low, the blue light flashes quickly. When charging, the red light is always on. The blue light is always on when WiFi is successfully connected, and the blue light flashes when WiFi is not connected.

## 5 How to Use the Microscope

- ❖ Hold the upper part of the microscope with one hand, the tip of the finger can be put into the hand strap to avoid falling.



- ❖ Turn on the microscope by pressing the power button.



- ❖ Connect the microscope and mobile app via WiFi.



- ❖ Remove the lens cover.



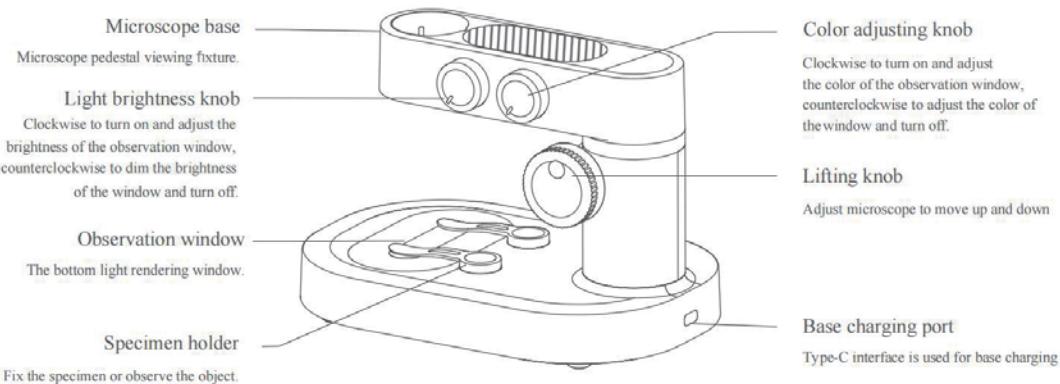
❖ Align the lens of the microscope at the object to be observed.



❖ Rotate the focus wheel with the other hand and observe the display of the phone. At this time, you can adjust the focus wheel to the best viewing ratio.



## ⑥ Microscope Base Introduction



### Opening and closing the microscope base

- 👉 Turn the light brightness knob clockwise and hear a “click”, the observation window will light up, which means the microscope base has been opened.
- 👉 Turn the light brightness knob counterclockwise and hear a “click”, the observation window will go out, which means the microscope base has been closed.

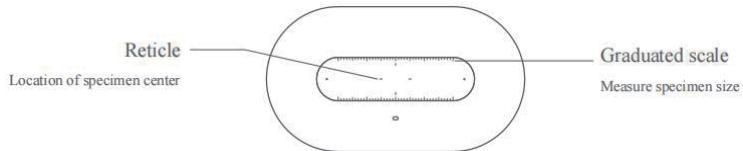
(Note: After the microscope base is closed, be sure to close the microscope monomer and cover the lens cover at the same time.)



### Specimen holder: Fix the specimen or observe the object.

- The holder adopts magnetic suction type, which can be adsorbed in place as long as it is close to the mounting part of the base.
- The bottom of the specimen holder and the adsorption position of the base are cleaned regularly to avoid adsorption of other metal substances.

### Observation Window Introduction



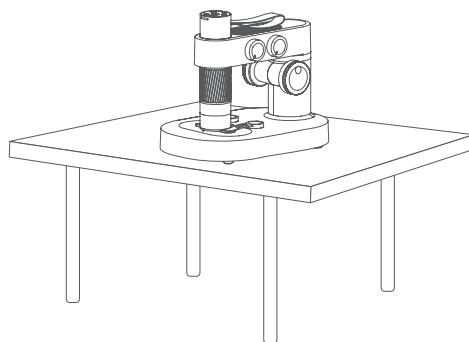
- The observation panel should be cleaned regularly to avoid oil stains, which may affect the observation experience.

### Light adjustment function description of observation window:

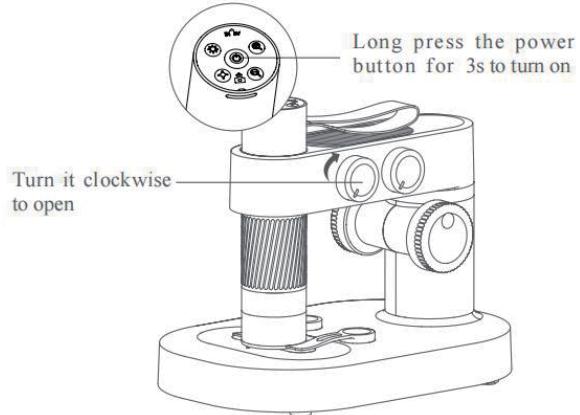
- The intensity and weakening of the light will have different effects on the outline and details of the specimen. Please pay attention to the adjustment and use.
- Different colors of lights can bring different color renderings to the specimens, and the appropriate color lighting renders the observation effect better.

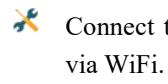
## 7 How to Use the Microscope Base

🔧 Place the microscope on a stable table and avoid shaking or falling.

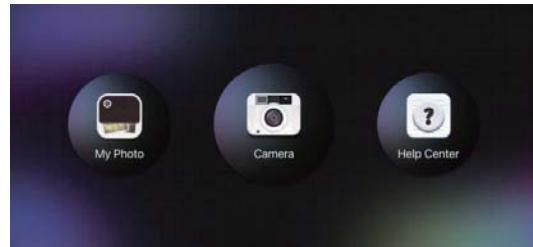


🔧 Turn on the microscope monomer and base.

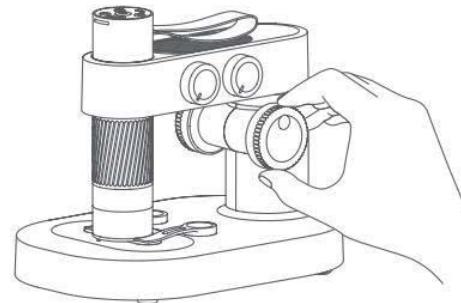




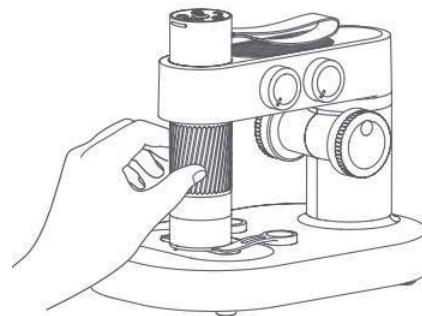
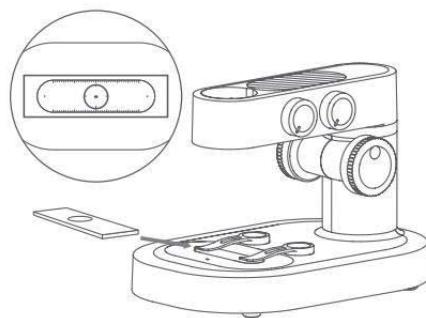
Connect the microscope and mobile app via WiFi.



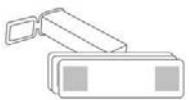
Adjust the microscope lifting knob, so that the microscope monomer is at a appropriate height, easy to place the object of observation.



- ❖ Place the observation object on the bottom observation panel and place it in the center of the reticle of the observation panel.(Be sure to make the side with the cover glass face up, and don't put it upside down.)
- ❖ Rotate the focus wheel and observe the display of the phone. At this time, you can slowly adjust to the best observation magnification.(Adjust the observation height and focal length to achieve other multiple observations.)



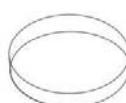
## ⑧ Accessories and tools



Biologic section  
specimen \*10



Blank slides and coverslips \*10  
(Cover glass: round/square are shipped randomly)



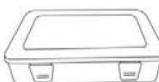
Petri dish \*2



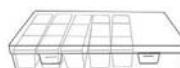
Tweezers



Dropper



Tool storage box



Specimen collection box



Collect bottles \*3



An popular science book  
(Affiliated gifts are not for sale)



An observation record book



Data cable



Specimen fixation clip \*2

*(Notice : If you purchased the simple version, the accessories only contains 5 biologic section specimens, 5 blank slides, data cable and 2 specimen fixation clip.)*

## APP Usage Guide

### ① How to Use on Android/iOS



#### Step 1: Download APP

**IOS:** Search iWeiCamera in the App store, download and install it, or scan the following QR code to select IOS version for installation.

**Android:** Scan the following QR code to select Android (Google play) version (international user) or Android (China) version (Chinese user) download and install it; or input the following URL in the browser download and install it.



IOS/Android downloading QR code

Or enter the following address in your browser to download it:

**Windows:** <http://static-new.dangdangli.com/a.exe>

**MAC:** <http://static-new.dangdangli.com/aMac.dmg>



### Step 2: Turn on the microscope

Long press the Power button 3s, when the blue indicator light is flashing, which means the device is turned on.



### Step 3: Connect the microscope to IOS/Android device

Open the smartphone's WiFi setting, find the name of WiFi : wifi\_camera\_wifi30\_xxxx, click to connect, then run APP, you will see the main interface at this APP.



## ② How to Use on PC

### For Windows

#### ① Step 1 Download Software

Please login <https://soft.hvSCam.com>,click the third link and download the software,then click the Next step→Receive→Install→Finish.

(Notice:If you were Win10 system,this software is not necessary,you can directly search Camera in Windows for find it and click on.For other system,please download the corresponding app)

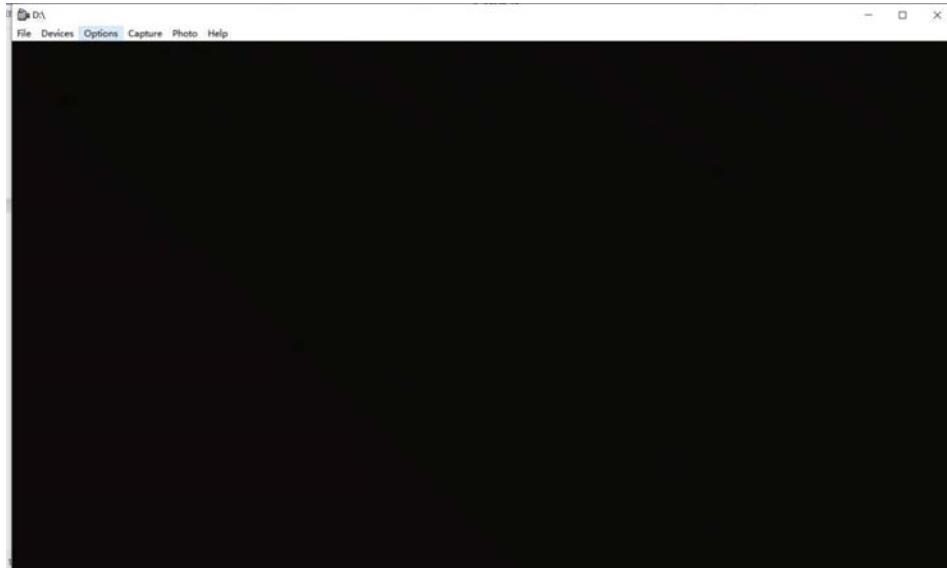


The image shows a software download page for Windows. At the top, there are language selection buttons: a Chinese flag for '简体中文' and an American flag for 'English'. Below these, there are three download options, each with an icon and a link:

- HiViewSetup1.4 for mac**  
Support: S1 S2 S3 S4 X4 H2 H3 W01  
[Click to read the instructions](#)
- HiViewSetup1.4 for windows**  
Support: S1 S2 S3 S4 X4 H2 H3 W01 DM3  
[Click to read the instructions](#)
- Amcap v3.0.9 for windows**  
Support: DM1 DM2 DM3 DM4 W01  
[Click to read the instructions](#)



**Step 2** Run “amcap”,you will see the below interface after enter the app:

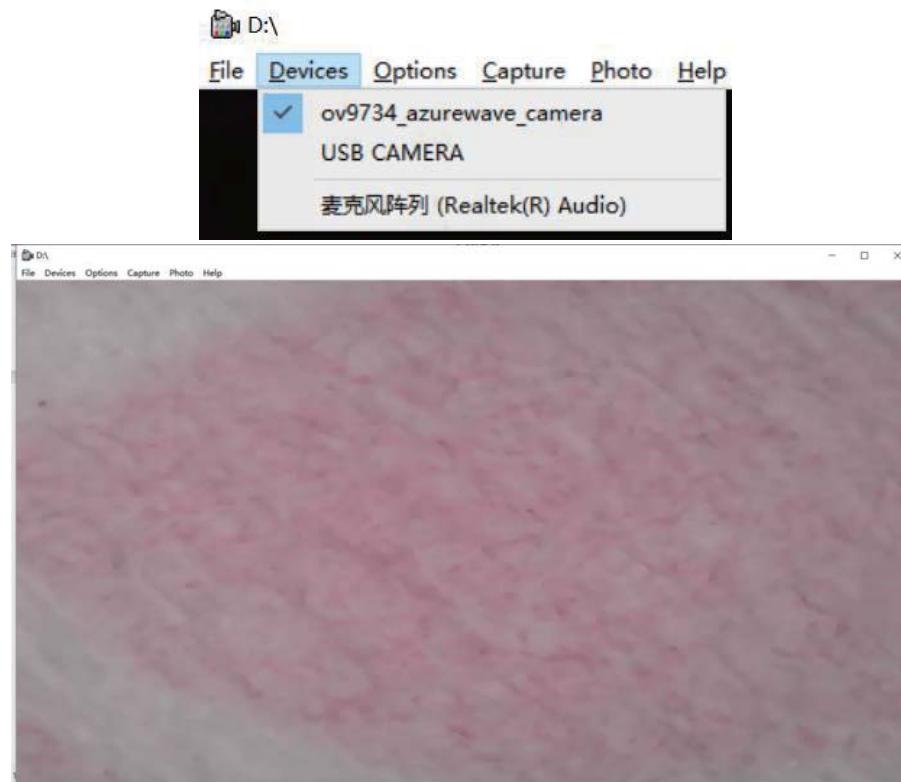


**Step 3** Connect the device with PC via USB cable,then long press Power button 3s to turn on the device.

*(Notice:do not turn on the device before connect,or you won't be able to see the picture,if you turn on before connect,that means opened the WiFi connect with smartphone)*



**Step 4** Click “Devices” in menu bar, then click “USB CAMERA” to select the microscope equipment name:



## For MAC

### ④ Step 1 Download Software

Please login <https://soft.hvSCam.com>,please select the HiViewSetup1.4 for mac.Then, download the software, as shown in the figure:

 简体中文 |  English

#### HiViewSetup1.4 for mac

Support:S1 S2 S3 S4 X4 H2 H3 W01

 Click to read the instructions

#### HiViewSetup1.4 for windows

Support:S1 S2 S3 S4 X4 H2 H3 W01 DM3

 Click to read the instructions

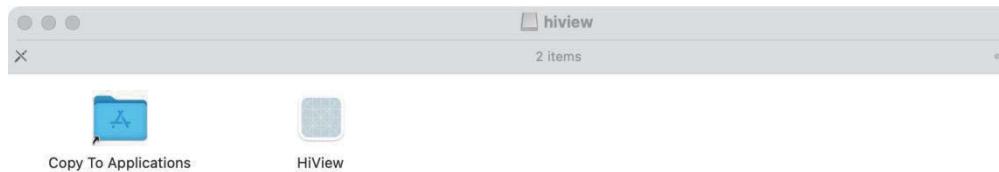
#### Amcap v3.0.9 for windows

Support DM1 DM2 DM3 DM4 W01

 Click to read the instructions

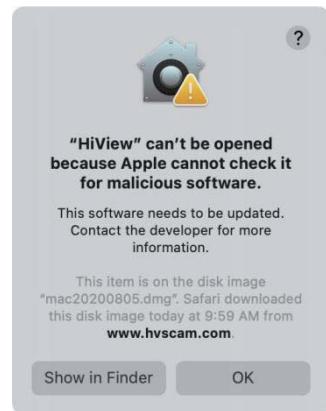


**Step 2** Double click and open HiView, The following information will appear. Then, click next step:



Connect your microscope to a mac computer or laptop via the USB cable. Then, open the software,

If there are safety tips:



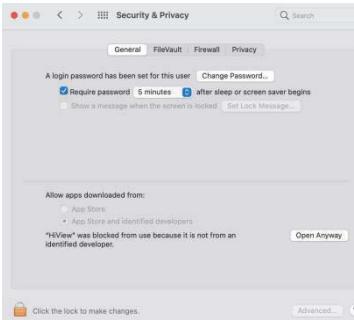
### The solution is as follows:

- ✖ System Preference



- ✖ Open the Security & Privacy, select General and AppStore and identified developers.

- ✖ Select “Open Anyway”



- ✖ The opening interface of software is as shown in the figure.

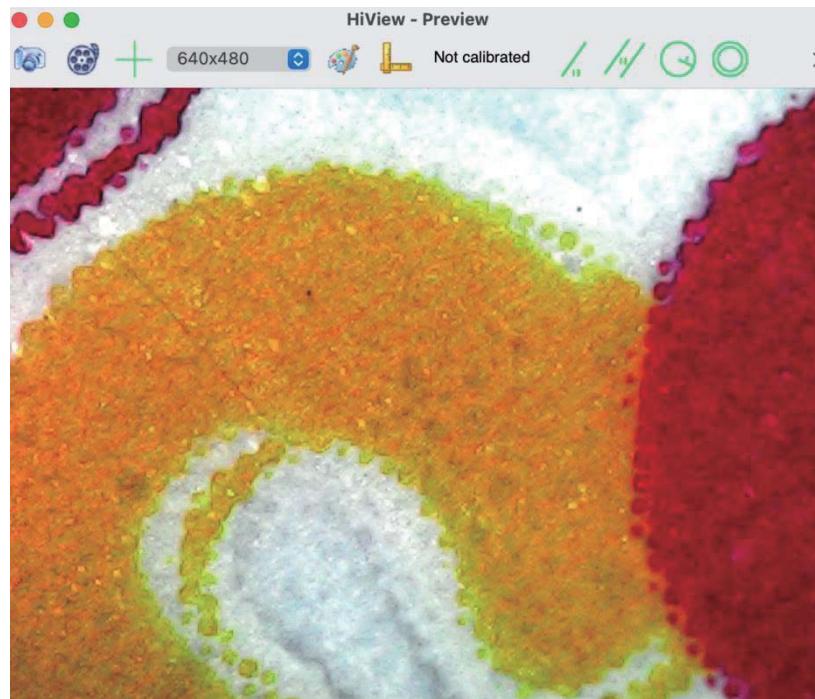


- ✖ Allow HiView below to access your camera.





### Step 3 Software Home Page



## Microscope Trouble Shooting

PROBLEM	WHY	SOLUTION
Heating during charging	In the process of charging the current is large and the battery calorific value is high,which is a normal phenomenon.	A normal phenomenon.
The APP failed to connect/suddenly went offline	①The distance is too far ②The equipment is out of power ③The equipment failure	①Repeat connection at close range ②Charge the device ③Turn off the APP and restart the device before using it ④Send for repair
The device cannot be charged	①The charging interface is not firmly inserted ②No power access ③The equipment failure	①Plug interface again ②Plug in ③Send for repair
The device is not working properly	Internal damage caused by water drenching,collision and other reasons	Send for repair *Man-made damage cannot send for repair.

PROBLEM	WHY	SOLUTION
The device cannot connect to the computer software terminal	①The interface is not plugged tightly ②The data cable is damaged ③The connecting cable with data transmission function is not used	①Plug interface again ②Replace the data cable ③Replace the data cable with data transmission function before connecting to use
The lens showed a blurred image	Ambient temperature changes dramatically,causing the lens to fog	Wait for the temperature to stabilize,use it after the fog disappears for a period of time
Specimens were observed with foreign bodies and were not observed clearly	The specimen surface is dirty and the observation panel is dirty	Wipe the specimen surface and observe the surface of the panel
The shell is broken and cracked due to falling and impact	Damage caused by external use	Man-made damage is not covered by the three guarantees
The product cannot be turned off or the buttons are malfunctioning	System halted	Please plug in the power to reset and restart

(Notice: When APP is connected to the microscope,please turn on the positioning permissions of mobile phone/tablet)

## Product Performance failure table

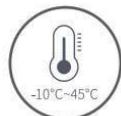
Name	Performance failure
Microscope monomer	The microscope monomer cannot turn on
	The microscope monomer light doesn't work
	The microscope monomer cannot be focused
	The microscope monomer cannot connect with APP
	Unable to charge properly
Microscope base	The base can't turn on
	Unable to charge properly
	The illuminating/dimming button doesn't work properly

*(Notice: The product,accessories,user interface and other illustrations in the manual are schematic diagrams for reference only.Due to the update and upgrade of the product,there may be some differences between the actual product and the schematic diagram.Please refer to the actual product.)*

## Storage Environment

- ⚠ Story in cool and dry place for daily use, avoid direct sunlight.
- ⚠ Avoid storing microscopes in places where there is a risk of falling, which may cause lens deviation or other damage to the microscope, as well as other irreparable damage.

## Operating Environment



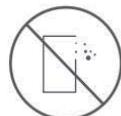
Please use the device at a temperature of -10°~45°



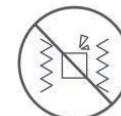
Please prevent the device from getting wet with water, beverages or corrosive liquids.



Please keep the device away from heat source, open flame, flammable and explosive gas(liquid)



Please avoid dust entering the device lens and inside.



Please prevent the device from being hit and shaken violently.

*Notice: At low temperature, the available capacity of the battery will be reduced to varying degrees.*





**FCC Caution:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.