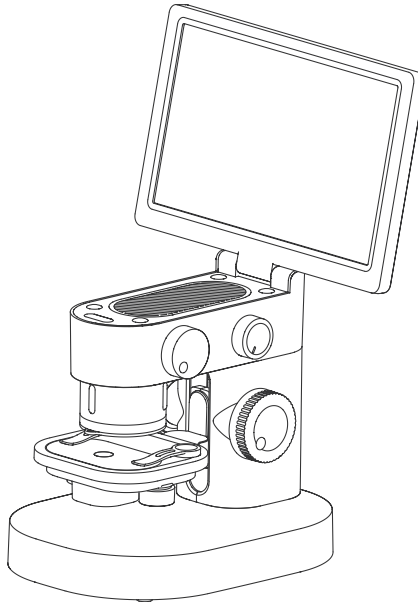




# Intelligent Microscope T1

**Instruction Manual V 2.0**





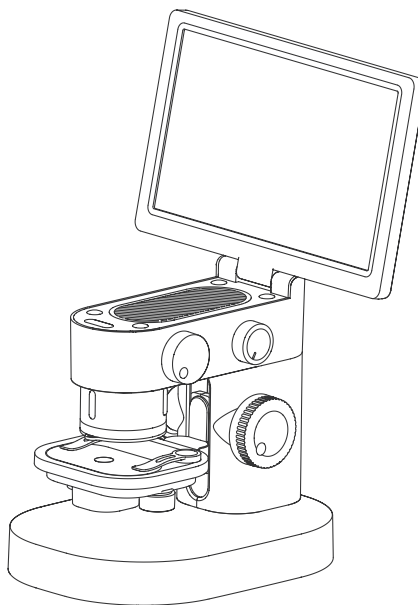
Please read this user manual carefully! Better reading experience!  
Please keep the manual properly!

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# 1. Product Overview

-  Thank you for purchasing this intelligent microscope, hereinafter referred to as “microscope”.
-  Please read this manual carefully and keep it properly before use. Do not use the microscope without any instructions.



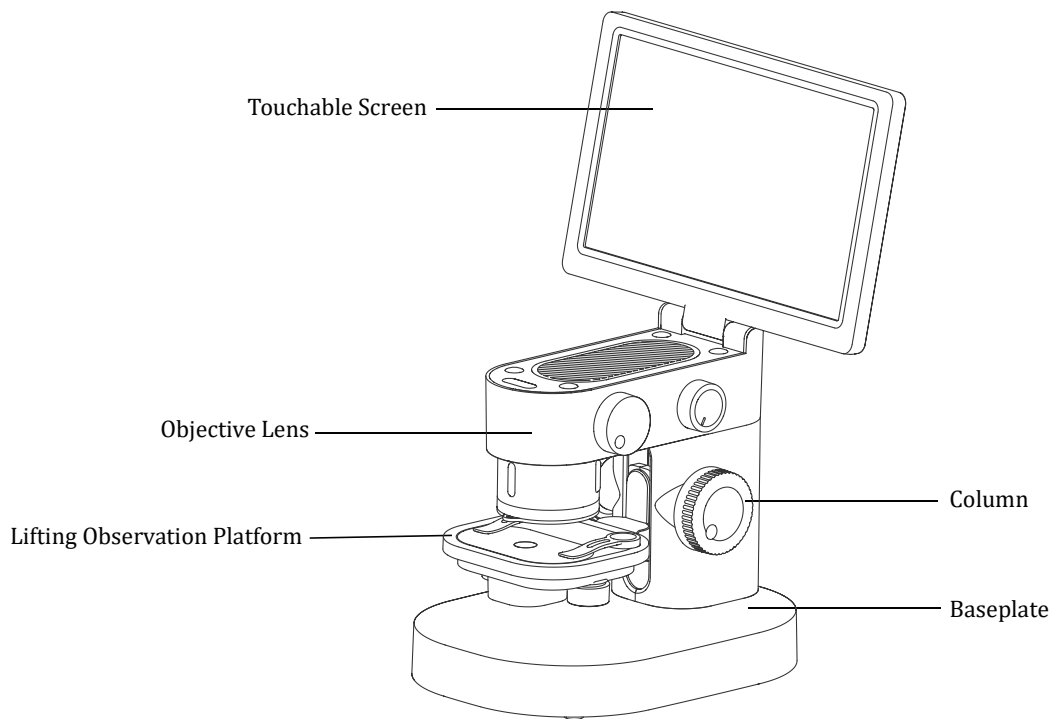
## 2. General Notes

-  Please read this manual carefully and use it correctly.
-  Pay attention to protect the lens part, be sure to close the lens cover after use, to avoid dust or foreign matter.
-  Pay attention to protect the display screen, be sure to close the screen after use, to avoid defiling.
-  The observation table of this microscope is a lifting table, please keep the table clean and do not press it heavily.
-  When placing specimens or other observation objects, please pay attention to the placement position. It should be placed in the center of the lens as far as possible to avoid unclear objects, which will bring bad observation experience.

### 3. Product Introduction

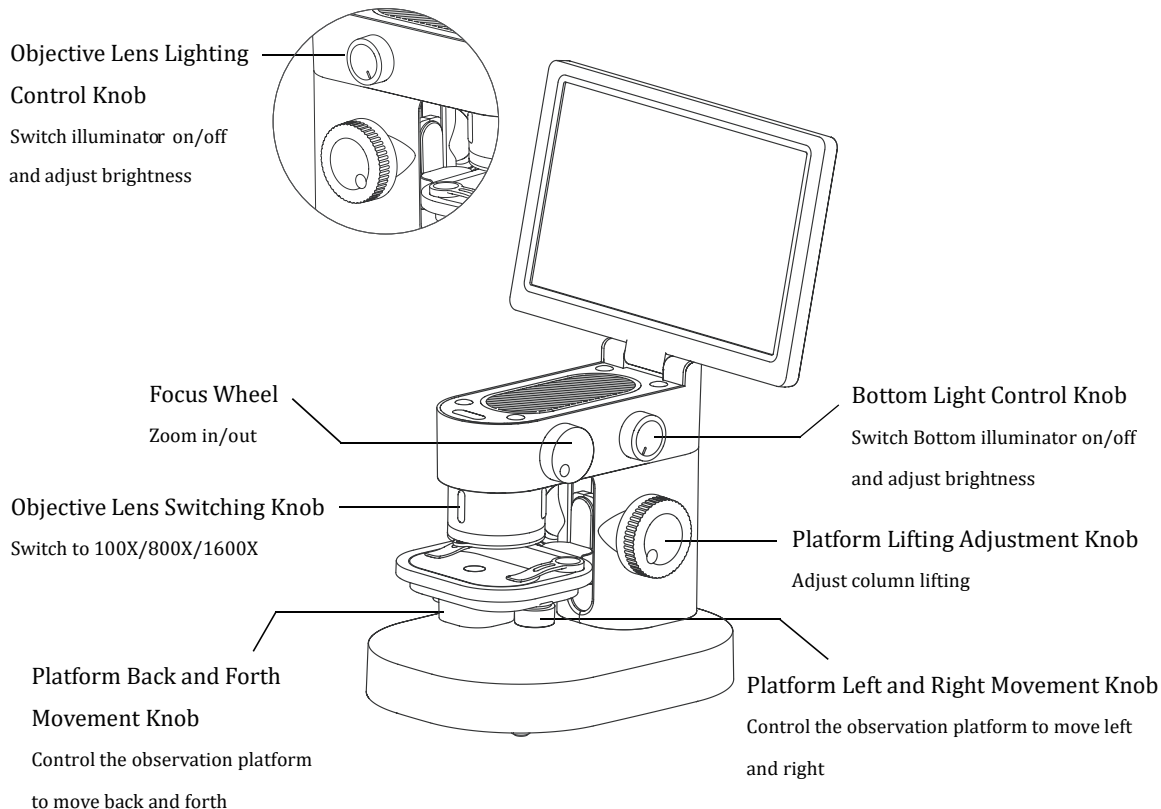


#### Microscope Overview



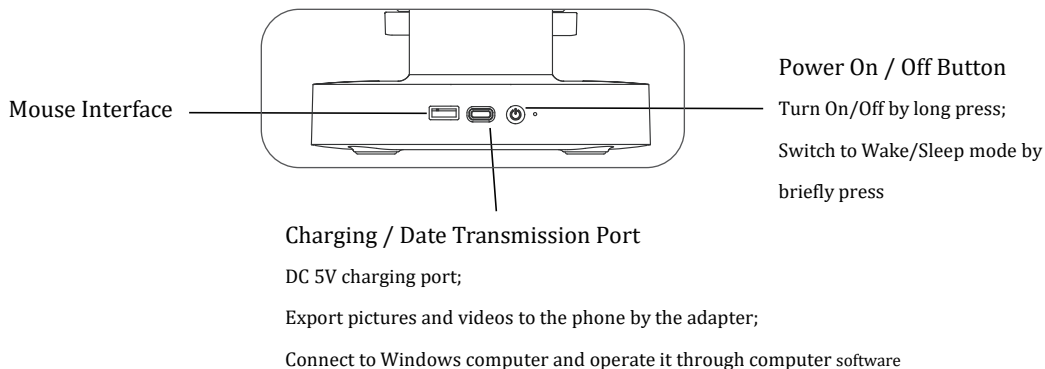


## Knob Function Description

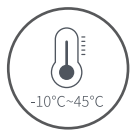




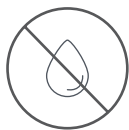
## Interface Introduction



## Use Environment



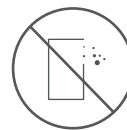
Please use at a temperature of -10°~45°



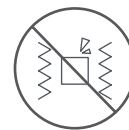
Please prevent from getting wet with water, beverages, or corrosive liquids



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



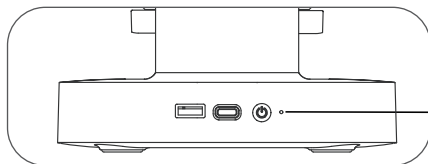
Please avoid dust from entering the lens and inside of the device



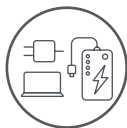
Do not slam or shake



## Charging Introduction



The red light is on when charging,  
and the green light is on when fully charged



Device can be charged by cell  
phone adapter computer or  
power bank.



It is recommended that the charging  
time should not exceed 12 hours to  
avoid affecting the life of the battery.

If the microscope housing and battery get hot during charging, please rest assured that this is a normal phenomenon.

## Storage Environment



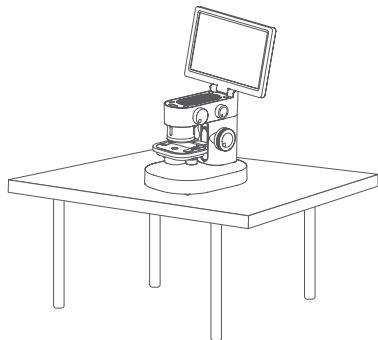
For daily use, please store it in a cool, dry place and avoid direct sunlight.



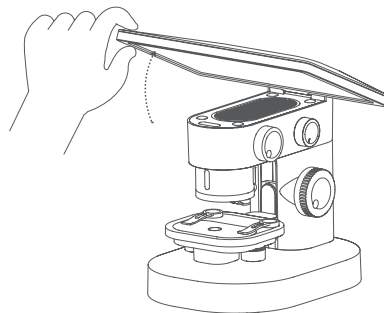
Do not store the microscope in an unstable place, which may cause lens shift or other damage to the microscope, as well as other irreparable damage.

## 4. Operating Instruction

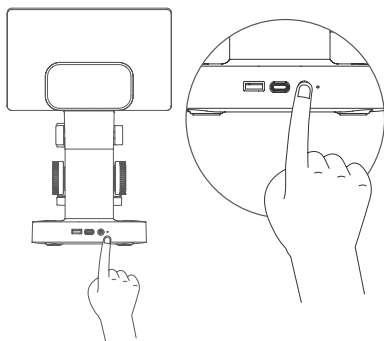
① Place the device stably



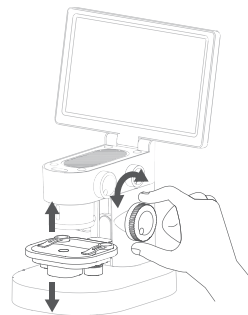
② Open the screen



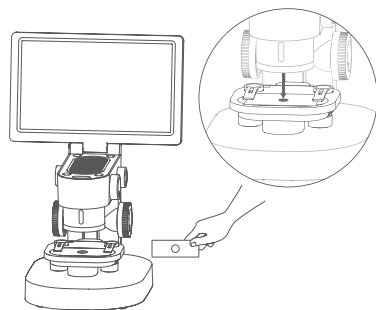
③ Turn on the microscope by pressing the power button



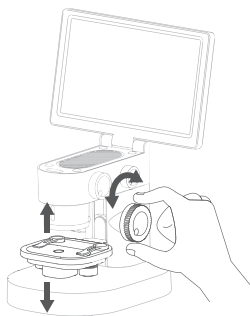
④ Adjust the screen to the suitable height



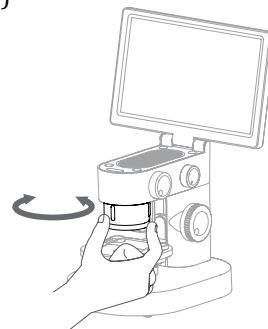
⑤ Remove the lens cover, place the object on the observation table (note: the object should be facing the eyepiece)



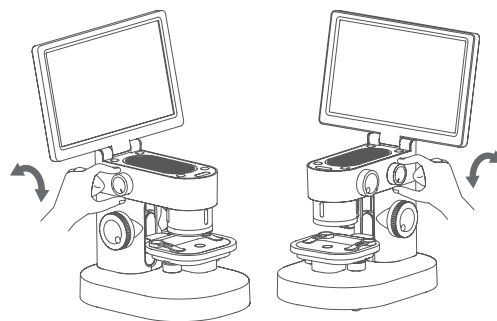
⑦ Adjust the observation table to the appropriate height



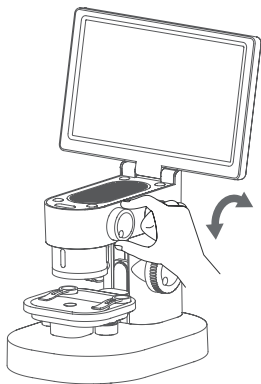
⑥ Switch to the appropriate multiple (note: the object should be facing the eyepiece)



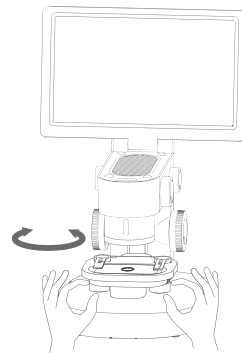
⑧ Adjust bottom and top lights as required



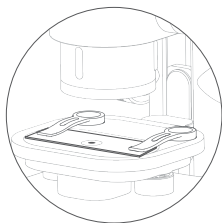
- ⑨ Focus to show a clear picture on the screen



- ⑩ Adjust the observation position by adjusting the movement knob under the observation table



**Operational Formula for Microscope:** Large multiples should be close to, small multiples should be far away. Coarse adjustment by lifting, fine adjustment by knob (coarse adjustment to see the observation, and then fine adjustment)



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

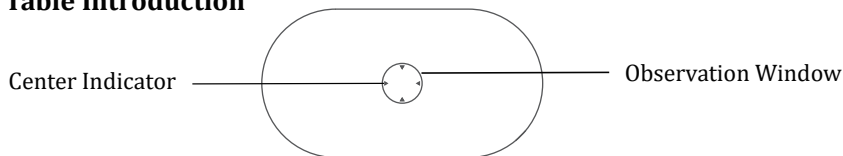



The bracket is magnetic and it can be adsorbed into place as long as it is close to the mounting part of the base.




The bottom of the specimen holder and the adsorption position of the base should be cleaned regularly to avoid adsorption of other metal objects.

## Observation Table Introduction

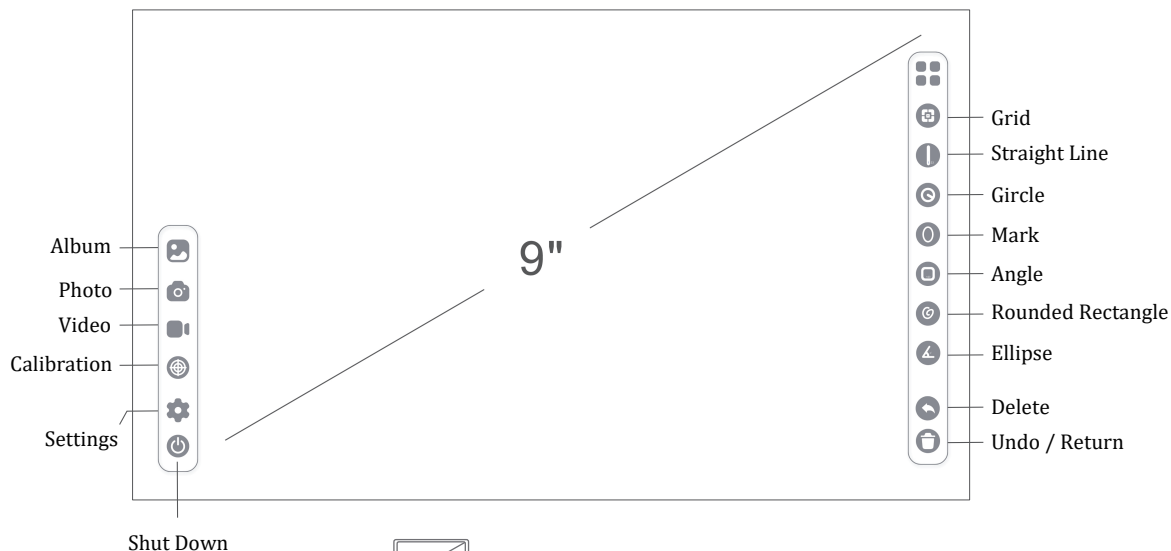


-  The observation panel should be cleaned regularly to avoid oil stains, which may affect the observation experience.

### 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.

## 5. Display Interface Introduction



Tap the screen to call / hide the function options screen



### Album

Save, view, and edit photos and videos that have been taken



### Photo

Take pictures of object



### Video

Take videos of object



## Calibration

Calibrate the  
measured dimensions



## Settings

Language: English/Chinese

Time : Date/Time

Sleep: Close/ 3 min / 5 min / 10 min / 15 min

Timed shutdown: Close/ 5 min/ 10 min / 30 min / 1 hour

TF switch: Switch in / out

Cam switch: Switch in / out



## Shut Down

Turn off the device



## Grid

Click to  
open/close  
the grid



## Straight Line

Measure the length of  
the observation object



## Circle

Measure S(area),  
C(perimeter), D(diameter)  
of the selected area



## Mark

Mark on the  
interface



## Angle

Measure the angle  
of the observation  
object



## Rounded Rectangle

Measure S(area), C(perimeter) of  
the selected area



## Ellipse

Measure S(area),  
D(diameter) of the



## Delete

Delete all dimensions  
on the interface  
selected area



## Undo / Return

Undo the previous action

## 6. Operating in External Equipment Mode

### 1) Mobile Phone Connection Mode



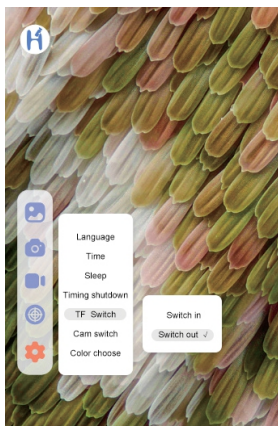
Purpose:

Read or copy the pictures and videos in the microscope memory with your mobile phone.

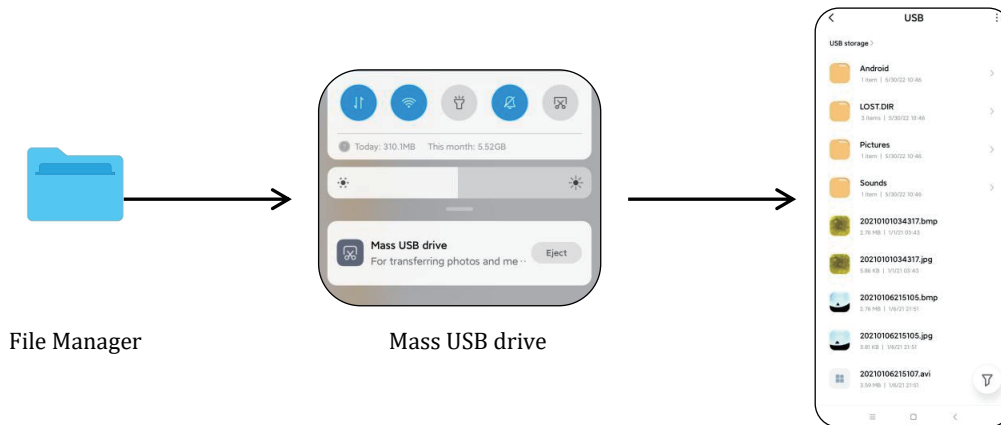


Operation method:

- ① Plug the data cable into the DC5V charging port, plug the adapter into the mobile phone, and connect the data cable with the adapter.
- ② Open the T1 microscope and click **Settings** → **TF switch** → **Switch out**, then the screen becomes dark.



③ Open the mobile phone → File manager. At this time, you can see a USB storage device. After opening, you can see all the pictures and videos in the microscope memory.



## 2) PC Connection Mode

Purpose:

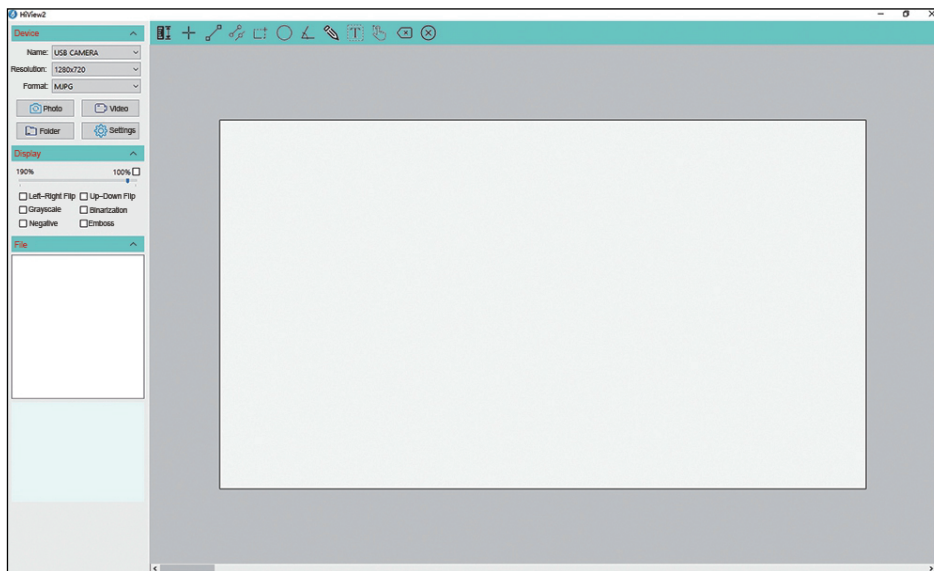
Directly connect to the computer, use the computer software to observe and operate.

Operation Method:

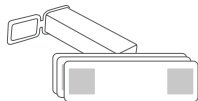
- ① Plug the data cable into the DC5V charging port of T1 microscope, and connect one end to the USB interface of computer.
- ② Open "**hiView**" computer software.

## Software Download Instructions

- ① For Windows 8, Windows 10 or higher system, search "**hiView**" in the **Microsoft Store** to download it.
- ② For Windows 7 and Windows XP, download the software from the website: **http://soft.hvscam.com**
- ③ For Mac OS X 10.5 or higher system, search "**hiView**" in the **APP Store** to download it.



## 7. Accessories and Tools



Biological Section Specimen \*10



Adapter



Data Cable



Retaining Clip\*2

## 8. Troubleshooting of Microscope

Problem Phenomenon	Reason	Processing Method
During charging, the device heats up	During charging, the current is large and the calorific value of the battery is high, which is a normal phenomenon	Normal state

The device cannot be charged	<p>①The charging interface is not firmly plugged in</p> <p>②No power connection</p>	①Unplug the interface ②Connect the power
The device cannot be connected to the computer software	The interface is not plugged tightly, the data line is damaged, and the connecting line with data transmission function is not used	Reseat the interface, replace the data cable, replace the data cable with data transmission function, and then connect it for use
Lens display image blur	The ambient temperature changes sharply, causing the lens to fog	Wait for the temperature to be constant and use it after the fog disappears for a period of time
There are foreign bodies in the specimen and the observation is not clear	The surface of the specimen is dirty, and the panel is dirty	Wipe the surface of the specimen and the surface of the observation panel
The product cannot be turned off or the key fails	Crash	Please reset and restart

## Overall Parameters of Microscope

<b>Product Name</b>	Intelligent Microscope T1
<b>Product Color</b>	Gray/ White/ Yellow
<b>Battery Capacity</b>	3500mAh
<b>Texture Of Material</b>	ABS+PC
<b>Net Weight</b>	about 1.38kg
<b>Operating Temperature</b>	10°C ~ 45°C
<b>Input Parameter</b>	DC5V
<b>Product Size</b>	214x224x324mm