WIFI Electron Microscope

Model: F290

What In The Box
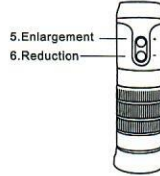
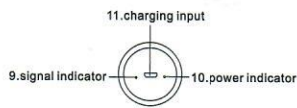1* WIFI Electron Microscope

1*Charging/data Cable

1* Spare lampshade

Structure Introduction

1.Light adjust wheel

2.Long press to power on/off
Short press to take a photo

3.Focal length adjustment

4.Dust cover

5.Enlargement

6.Reduction

8.LED light

7.Camera

9.signal indicator

11.charging input

10.power indicator

APP Download

1.On phone:

1) IOS device
Download APP "DM WiFi" from "Apple App Store" or scan the QR code below and install it.

APP Store → DM WiFi → QR code

2) Android device
Download APP "DM WiFi" form "Google Play" or scan the QR code below, and install it.

Google Play → DM WiFi → QR code

2.On PC:

1) Windows system
Download "ViewPlayCap" via link:
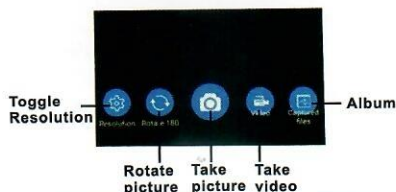http://www.51scope.cn/files/setup.rar

2) Mac OS system

Open the original mac software: "QuickTime Player" or "Photo Booth".

Connect & Use

1. On phone:

a. Power on the WiFi Electron Microscope.
b. Search wifi signal "DM WiFi_XXXX" with your smart phone, click it to connect to wifi successfully. (No need password)
c. Open the APP, then you can see the real-time video.
d. Adjust the height of the microscope and twist the focus wheel until you can see the clear picture.

Toggle Resolution — Album
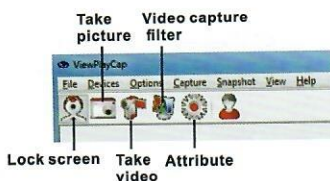Rotate picture — Take picture — Take video

If you want to save pictures or videos to the mobile album, you need to provide "DM WiFi" permission to access the local album when using the software.

2. On PC:

1) Windows System

a. Power on the microscope.
b. Connect the microscope with the USB port of the computer through the data cable.
c. Open the software, click "Device"- "General-UVC" option to see the picture. If there is no "General-UVC" option, please check whether the computer has the "General-UVC" driver. If there isn't, please download and install it on the internet, after successfully installation, you can use the software normally.
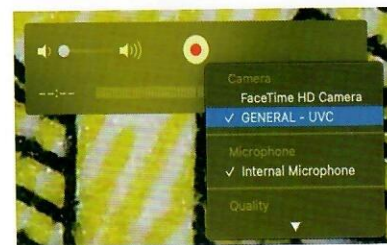d. Adjusting the height of the microscope and twist the focus wheel until you can see the clear picture.

Take picture — Video capture filter
Lock screen — Take video — Attribute

Windows system considerations:

1. The "Take picture" button and "+-" button on the device does not work at this time.

2. When you connect to the computer, if you want to take a picture, you need to click the "Take picture" button on the computer.

3. If you want to record a video, you need to:
   1) click the "file" tab of the menu bar first, next click "set capture file" option, then you can create a video file.
   2) click the "Take video" button to start recording, and click again to end recording.

3) open the previously created video file to view the video.
4. If you want to turn off the device, you just need to press the "+" and "Take picture" button on the device together.

2) Mac OS System

"QuickTime Player"

First, connect the microscope to the computer through the data cable, turn on the microscope, then open "QuickTime Player", click list arrow on the right side of the recording button, select the "GENERAL-UVC" tab, then you can see the picture.

"Photo Booth"

First, connect the computer to the microscope through the data cable, turn on the microscope, open the "Photo Booth" software, click "Camera" - "Genera-UVC" tab, then you can see the picture.

Mac OS system considerations:

1. When using Mac OS system, if you want to take photos and videos, just click the corresponding function button in "QuickTime Player" and "Photo Booth".

2. The "Take picture" button and "+-" button on the device does not work at this time.

3. If you want to turn off the device, you just need to press the "+" and "Take picture" button on the device together.

Technical Parameter

Network Standard	IEE 802.11 b/g/n
Image Sensor	High Performance Sensor
Sensor Size	1/4
Magnification	50-1000 Times
Lens Structure	2G+IP
Camera Light Source	8 Adjustable LED light
Operating Temperature	32 to 113 ℉ (0-45℃)
Battery	800mAh Lithium Battery
Charging/Working Time	2 Hour/2Hour
Power Input	DC 5V/1A
Focal Length	0.1cm~200cm
Camera Resolution	640*480P 1280*720P 1920*1080P
Picture Format	PNG
Video Format	Mp4

Charging

1. Please charge the equipment with 5V/1A USB charger. Don't use 12v charger.
2. When charging, the red indicator light is on, and when charging fully, the light is off.
3. This lithium battery is 800 mAh, it will take 2 hours to fully charge, and it can be used for about 2 hours after charging.
4. When the power is low, the video may not be smooth. Please use it after fully charged.

QUESTIONS AND ANSWERS

1. Which systems can the device be compatible with?

A: Mobile phone support: IOS/Android.

PC support: Windows/Mac, not support other systems such as Linux/Chrome OS.

2. Can this be attached to a camera?

A: Sorry, it can't.

3. Is the device waterproof and can it be used in water?

A: Sorry, our microscope has no waterproof function. You'd better avoid water entering the microscope otherwise it may cause damage to the device.

4. What's the function of the "+" "-" button on the device?

A: They just simply amplify picture, which will reduce the picture quality after amplification, non vector amplification.

5. When I use it on my computer, where are the photos I took saved?

A: When you use it on the computer, after you take a picture, you need to copy first, and then paste the picture to the place you want to save.

6. Does it record sounds?

A: No, it doesn't record sound.

7. Why can't I use my mobile phone to search the WiFi signal of the microscope when I connect the microscope to the computer with a data cable?

A: When you connect the microscope to the computer with data cable, the microscope will default that you want to use the computer to observe the image, so the phone can't search for microscope WiFi signal.

8. Can more than two devices connect to it at the same time?

A: Sorry, you can only view picture in real-time on one device at a time.

9. I just got it and connected it to my computer, it looks like the "+" "-" buttons doesn't work?

A: The "+-" button on the product only can be used on smart phone. On computer, we can only use fixed focal length.

10. Why do I use another data cable to connect the microscope to the computer, open the software and operate according to the instructions, but I can't see the picture?

A: When connecting the microscope to the computer with the data cable, make sure that the data cable you use has data transmission function, not just charging function. Because some data cable only have charging function and without data transmission function.

WARRANTY

● Before use, remove the lens protection cover, but do not remove the lens protector, otherwise the lens may be damaged during use. After use, remember to press the lens cover back in place.

● If there is a crash during the use, please press the "+" button and "Take picture" button on the device together, and then restart the device to restore the normal state.

● This product is not impact resistant and can not be used for any other purpose.

● Prevent foreign matter and liquids from entering, which may cause electric shock or product damage.

● Do not use the camera when condensation forms inside the lens, don't use the device until the water naturally evaporates.

● If the device is not in use, shut down the device.

● If the battery is exposed to high temperatures, the battery may explode, don't throw the battery into a fire, properly handle used batteries.

● Please use 5V voltage to charge.

Correct Disposal Of This Product

(Waste Electrical & Electronic Equipment) This marking shown on the product or its literature, indicates that it should not be with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household user should contact either the retailer where they purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling. Business users should contact their, supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Customer Service

If any problem, question or concern, please feel free to contact us via email, we will provide you the best solution according to your issue.

CE FC RoHS