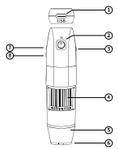
500X130mm 双面印刷

高清电子数码显微镜

用户使用手册

产品及部件拍口定义示意说明



1) Type-C充电接口/与电脑连接视频流数据传输接口
2) 电源开关键/拍照键
3) 照明灯光亮度调节轮
4) 焦距调节轮
5) 照明灯罩
6) 防尘盖
7) 图像放小键/数据流切换键
8) 图像放大键/无线信号转换键

按键功能及使用说明

Type-C充电接口

1.设备低电时请接充电器进行充电，充电中亮红色指示灯当充满电指示灯变成蓝灯。
2.可透配目前市场上的各种手机充电器。

大约1.5小时左右可充满电

照明灯光亮度调节轮

在使用过程中可根据个人需要调节照明灯亮度。可关只在设备开机状态下才能打开。

电源开关键/状态指示灯光

1.开关键：关机状态下按住2秒开机，使用过程中短按一下进行拍照，并有状态下按住3秒灯灭关机。
2.状态指示灯光：本产品支持AP，STA，PC三模式，为了更好的体验增加了三种颜色的灯光显示。

缩小键
放大键

1.图缩小键：短按进行图像缩小，按住5秒可打开PC CAM模式此时按键会切换到USB口输出模到电脑上显示高清视频，需要转换键请切换到手机端时长按此按键5秒可完成程序切换。

2.图放大键：在设备工作状态下每按按一次图像会进行一个等级放大，并且长按5秒左右两端模式切换，原为AP模式，将STA模式双模式切换，AP模式指示灯显灯闪烁，STA模式指示灯绿灯闪烁。

焦距调节滚轮

1.⟷焦距调节滚轮：当设备处于工作状态中，旋转此滚轮可以调节焦距，对观察物体进行对焦以便清楚地看到观察物品的小细节。

产品参数

像素	2.0M Pixels
放大倍数	500 times and 1000 times
拍照分辨率	2.0M Pixels
调焦范围	手动调焦(5-100mm)
无线连接	10m (直线距离)
图片格式	10m (直线距离)
视频格式	MP4/AVI
固定帧数	25f/s
USB-Cable接口	TYPE-C数据线
支持系统	Android, IOS. Windows&Mac OS
配件清单	电子显微镜主机 可调支架(选配) TYPE-C数据线 包装盒 说明书 十字螺丝刀

指示灯及连接设备

指示灯

1. 红灯闪烁 – – – – – – – – – – – – – – – – 设备低电提示
   红灯亮(充电状态下) – – – – – – – – – – – – – – 充电中
2. 蓝灯闪烁 – – – – 本设备正在等待手机WF连接
   蓝灯长亮 – – – – – – – – – – – – 已经与手机正常连接
   蓝灯亮(充电状态下) – – – – – – – – – – – – 充电完成
3. 绿灯长亮 – – – – – – – – – – – – – – – – 已经打开USB模式
   绿灯闪烁 – – – 已打开AP模式尝试与指定的热点连接
   绿灯呼吸状态 – – 设备已经与设定好的热点连接成功
4. 关机状态下指示灯关闭

AP模式连接设备

1. 长按电源键 ⏻ 两秒绿灯闪烁，打开照明灯光亮度调节轮 ⟷（在使用过程中可根据个人需要调节照明灯亮度，灯光只在设备开机状态下才能打开）。
2. 长按五秒本机，切换长按APP连接模式。
3. 打开应用程序"XRCam"。

注：手机端要打开应用的使力权限，长摄像头权限）

STA模式连接设备（开机即用，免去设备Wi-Fi连接的麻烦操作）

1.成功连接设备后，打开应用程序"XRCam"，点击左上角"+"添加设备。

注：热点名不能有空格和分号
• 该设备属于2.4G频段设备，STA模式下无法与5G信号连接。
• 指示灯为绿灯闪烁，表示正在打开STA模式请等候至此热点连接中，正常连接后绿灯至为常亮灯，此时可进行直播的热点显示手机发出的可见设备连接同一个热点发现可以正常使用设备。
• STA模式下设备会保存热点名及密码，下次开机设备会默认发生打开STA模式，只要在对应的热点处等范围内会自动连接。（在5秒钟内按不到指定的热点，设备会自动转为AP模式或再次长按强大键5秒再次转为为STA模式）
• STA模式使用过程中也可通过长按放大键5秒转为为AP模式。

打开设备

长按设备开机键2秒，指示灯亮，并影显示当前状态为开机正常。

焦距以及照度调节

拍照及录视频的状态下，对准需测量目标并轻微调整焦距调节轮 ⟷ 调节焦距，同时根据光照环境适当调度亮度 ⟷ 调节镜头的LED光照亮度，以达到最清晰可放大效定。

拍照

1.轻按显微镜电源键 ⏻
2.点击屏幕拍照图标 📷

录像

1.点击屏幕录制图标 🎥 开始录制，再次点击则停止录制。

查看录像内容

1.点击屏幕文件图标 🗀 查看录制内容。

注：AP模式可实时录制、拍照、录视频、查看文件、对比、旋转、放大、缩小、设置等操作。

在Windows电脑上使用此产品

1.在浏览器上输入网址
http://www.xdsisemi.com/icshow-184-252-1.html
下载并安装Amcap软件。
2.长按≈ 或可调5秒钟打长亮进入到USB Camera模式。
3.通过USB数据线连接到电脑，并打开安装的Amcap软件。

4.点击菜单栏Options→Preview开启实时预览

注：数据线插入到产品后若松动会造成画面传输错误黑屏，需及时更换新的数据线。

在Mac电脑上使用此产品

1.在"设置"窗口的应用程序目录中找到Photo Booth；
2.用USB数据线连接到电脑，长按监视器开关键 ⏻3秒开机，并打开PC模式；
3.点击Photo Booth进行，并选择Camera-USB CAMERA。

充电及指示灯工作状态

充电

1.当设备电量在电不足时，请采用标准的DC-5V输出充电适配器及时给设备充电，在充电过程中使用设备，可能会或存在出现的情况从而影响产品的使用寿命；
2.设备内置聚合物锂电池，充满后可连续使用2小时以上，充电时间约1小时；
3.可采用移动电源给设备充电。

注:充电时注意充电器的输出电压为DC5V，建议采用手机原装充电器为产品充电，绝不可采用高于5V的充电器，导致造成有损伤设备。

充电指示灯

1.充电红色指示灯亮，充满红色指示灯熄灭；
2.设备开机后，强灯开始闪烁，WiFi连上后强灯常亮；
3.当设备电量不够出现低电提示时红灯快闪。

声明

1. 设备上WiFi信号为热点传输，并非互联网始导游LAN；
2.安卓手机存连上产品WiFi热点后无法使用移动网络，而iPhone苹果手机仍然支持使用移动网络。这与手机系统有关，产品自由无法解决此问题。但可以使用设备的STA模式与手机连接或可以不占用手机的互联网通道。

注意事项

1.请设备属于精密微像产品，请勿敲打、摔击、挤压和摔落等设备；
2.需要查询键电话，请接今当地电池使用环境条件；
3.不每梁部手的中间者长时间存储在潮湿的地方；
4.不得在热后下长时间暴晒本设备；
5.请勿在有较大水蒸气的环境下使用，需要直接接头保持在整机状；
6.不得和刺激性腐蚀类物品，会直接不可恢复的故障；
7.产品每次用完，请及时收纳保管，不要将雪花的品放；
8.不得使用碱性清洁剂擦拭本设备，会造成损坏；
9.设备长时间不使用，请充每一月至少充电一次；

故障描述及排除

如果设备无法正常工作，请仔细阅读以下内容以寻求解决方法。

故障现象	解决方法
无图像	1. 观察指示灯状态确认设备是否已经正确连上手机或者iPad (区分灯长亮现状只切换USB模式)，所以APP上没有图像，重切换到无线模式。 2. 尝试关闭设备并重新打开； 3. 尝试关闭APP并重新启动； 4.重启打开照明灯光亮度调节轮
图像不清晰	1. 检查防尘罩是否打开，检查镜头是否干净； 2. 通过滚轮调整焦距。
设备死机	确认是否低电，充完电再尝试重启设备；
ios设备拍照闪退	确认APP访问储存权限，和摄像头权限。

请遵循电子产品的使用条款，合理使用本设备，如因问题发时与本公司或授权代理联系。

规格参数如有交正，恕不另行通知，一切以产品包装箱内的产品为参照为准。

最终解释权归本公司所有！

5. Keep it away from the sun, high temperature, and humid environments.
6. Do not use strong instruments to scratch the lens surface, which will cause irreparable failure.
7. Each time the product is used up, please timely storage and storage, do not throw randomly.
8. Do not use corrosive detergent to wipe the equipment, which will cause damage.
9. The equipment is not used for a long time, it is recommended to charge at least once every month.

Fault Description And Troubleshooting

If the device is not working properly, please read the following carefully for a solution.

SYMPTOM	SOLUTION
No images	1. Observe the indicator status to confirm whether the device has been correctly connected to the mobile phone or iPad (the green light is long and the video mode is only switched to USB mode, so there is no image on the APP, and it needs to be switched to wireless mode. 2. Turn off the device and turn it on again. 3. Close the APP and restart it. 4. Adjust or turn on the lamp brightness adjustment wheel.
Image is not clear	1. Check whether the dust cover is open and whether the lens is clean. 2. Use the roller to adjust the focal length.
Equipment crash	Confirm whether the battery is low, and try to restart the device after charging.
The ios device fails to take a photo	Confirm APP access storage permissions, and camera permissions.

Please follow the terms of use of electronic products and use the equipment reasonably. If in doubt, please contact the company or authorized agents in time.

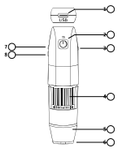
The specifications are subject to revision and are not subject to other information. The product manual in the product packaging box shall prevail.

The right of final interpretation belongs to the company!

HIGH DEFINITION ELECTRONIC DIGITAL MICROSCOPE

USER MANUAL

Product Description



1) Type-C charging interface/Video streaming data transmission interface connected to the computer
2) Power switch/photo button
3) Lamp brightness adjustment wheel
4) Focal length adjustment wheel
5) Lighting lampshade
6) Dust cover
7) Image reduction key/data stream switch key
8) Image magnification key/wireless signal conversion key

Key Description

Type-C Charging Interface

1. Connect the charger for charging when the equipment is low, and the bright red indicator light during the charging.
   Full of charging indicators into blue lights.
2. It can adapt to various mobile phone chargers on the market.

It can be fully charged in about 1.5 hours

Lighting Brightness Adjustment

1. During the use process, you can adjust the brightness of the lighting according to personal needs.The light can only be turned on when the device is turned on.

Power button/Indicator light

1.power button: Press 2 seconds to turn on the shutdown state and click to take pictures during the use. Press the shutdown in the start state for 3 seconds to shut down.

2.Indicator light: This product supports AP, STA, and PC models. It has made three colors of lighting instructions for a better experience.

Enlarge Button
Narrow Button

1.⊡Shrink Button: Short pressing the image to reduce the image. Press and hold it for 5 seconds to turn on the PC CAM mode and enter the computer preview mode. Press 5 seconds to switch to the mobile phone preview mode.

2.⊞Magnifying Button: Click the button to enlarge the picture in the working state, and press for 5 seconds to switch the AP/STA mode for 5 seconds. AP mode blue light, STA mode green light.

Focus Adjustment Roller

1.⟷ Focus Adjusting Roller: In the working state, the rotating roller regulates the focal length to adjust the details of the focus observation of the items.

Product Parameters

Pixel	2.0M Pixels
Gain	500 times and 1000 times
Division Rate	2.0M Pixels
Scope	Manually adjust the focal length (5-100mm)
Wireless Connections	10m (Straight-line Distance)
Image Format	10m (Straight-line Distance)
Video Format	MP4/AVI
Fixed Frame Number	25f/s
Unpluggable Interface	Type-C Data Cable
Support System	Android, iOS. Windows&Mac OS
Parts List	Electron Microscope Host Adjustable Support (Optional) Type-c Data Cable Packing Box Specification Phillips Screwdriver

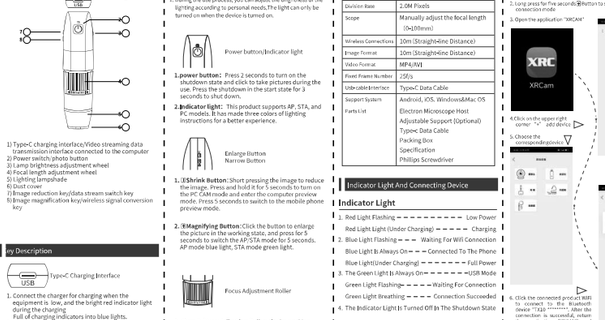
Indicator Light And Connecting Device

Indicator Light

1. Red Light Flashing – – – – – – – – – – Low Power
   Red Light (Under Charging) – – – – – Charging
2. Blue Light Flashing – – – Waiting For Wifi Connection
   Blue Light (Always On – – – Connected To The Phone
   Blue Light (Under Charging) – – – – – – Full Power
3. The Green Light Is Always On – – – – – – USB Mode
   Green Light Flashing– – – – Waiting For Connection
   Green Light Breathing – – – Connection Succeeded
4. The Indicator Light Is Turned Off In The Shutdown State

AP mode connection device

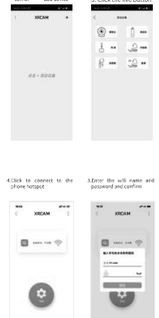
1. Long press the power button (⏻) for two seconds of green lights and flash, turn on the lighting light adjustment wheel ⟷ (During the use process, the lighting of the lighting can be adjusted according to individual needs. The light can only be turned on in the state of the device.)
2. Long press for five seconds ⊞ button to switch to the blue light AP connection mode
3. Open the application "XRCAM"



(Note: Mobile phones need to open the application of the applications, and camera permissions)

STA Mode Connection Device (Automatic power-on connection)

1. After successfully connecting the device, open the application "XRCAM"



Note:
- The hot spot must not have space and dividend numbers
- The device is 2.4G band device. The STA mode cannot be connected to the 5G signal.
- The indicator light flickering in the green light, indicating that is opening the STA mode to search for the specified hotspot connection, the green light is normally on after the connection, the breathing light, at this time, acting as the connected hotspot is the mobile phone, or the mobile phone connects the same hot spot with the device to use the equipment normally.
- The device will save hot spots and passwords in the STA mode. The next time the best device will default to open the STA mode by default, as long as it is automatically connected with the specified hotspot within the range. If the hotspot is not found or not the device, automatically turn to AP mode. Long press the power button 5 seconds to STA mode).
- In STA mode, long press the magnification key for 5 seconds to enter AP mode, and the blue light flashes.

Pc Mode Connection Device

1. The device is connected to the computer with a USB through USB under normal boot state.
2. Long press and reduce the keys for 5 seconds, indicate the green light is long and enter the PC mode.
3. Open the computer with application "AMCAP" to observe HD image on the big-screen large screen.

Outdoor Remote Live Broadcast

1. Enable device STA module" mode connection device (For details please refer to the "STA mode "Formulating Equipment" AP mode connection device ").
2. Open the Douyin APP, open the screen recording live broadcast, you can live in real time.

Use This Product On Ios & Android Device

App Download

IOS device: Search XRCAM in the App Store, and click Installation after successful acquisition.

Android international version: search and install XRCAM in Google Play.

Android Chinese Version: Use a mobile browser to scan the QR code to download and install.

You can also scan the QR code through your mobile phone download and install.

In order to ensure that the APP can run normally, you need to open the permission to access the camera and allow the access to access the mobile phone memory.

Open The Device

Press and hold the device power button for 3 seconds, the indicator light is on, and the current state is normal.

Focus And Brightness Adjustment

In the state of taking pictures and video recording, aiming at the target of observation and slightly adjust the focal length of the roller ⟷ Adjust the focal length, and at the same time, the light of the lens is adjusted according to the lighting environment of the light environment to achieve the clearest magnification.

Photograph

1.Short pressing the microscope power button ⏻
2.Click on the screen to take a photo icon 📷

Videos

1. Click on the screen to record icons (🎥) to start recording, and click again to stop recording.

View Video Content

1. Click the screen file icon (🗀) to view the recording content.

Note: APP can conduct real-time observation, camera, video recording, viewing files, comparison, rotation, zooming, reduction, setting and other operations.

Use This Product On Windows Computer

1. Enter the URL on the browser
   http://www.xdsisemi.com/icshow-184-252-1.html
   Download and install AMCAP software.
2. Press Reduction button of green lights for 5 seconds to enter the USB Camera mode.
3. Connect to the computer via USB cable and open the installed Amcap software.

4. Click on the menu bar Options→Preview to open the real-time preview

Note: If the data cable is loose, it will cause the screen to transmit an error black screen. Nice data cables need to be replaced in time.

Use This Product On Your Mac Computer

1. Locate Photo Booth in the applications directory of the Access computer.
2. Connect to the computer with the USB data cable, long press the microscope switch for 3 seconds, and turn on the PC mode.
3. Click Photo Booth to run and select Camera-USB CAMERA.

Charging And Indicator Working Status

Charging

1. Please use the 5V-5V charging adapter to charge the device in time. Using the device during charging may affect the battery life.
2. The device has built-in polymer lithium battery, which can be used continuously for more than 2 hours after full, and the charging time is about 1 hour.
3. Mobile power can be used to charge the device.

Note: The charging voltage is DC5V, it is recommended to use the original mobile phone charger as the product.
Charging, greater than DC5V charger, may cause circuit failure, damage the product.

Charging light

1. The charging red light is on, and the full red light is off.
2. After the device is turned on, the blue light starts to blink, and the blue light is steady on after the WiFi is connected.
3. When the device battery is insufficient, the Red light flashes quickly.

Statement

1. The WiFi signal on the device is a hotspot transmission, not an Internet signal source LAN;
2. Android phones can not use the mobile network after connecting to the product WiFi hotspot, while iPhone and Apple phones still support the use of mobile network. This is related to the mobile phone system. The product cannot solve this problem. However, you can use the STA mode of the device to connect with the mobile phone without occupying the Internet channel of the mobile phone.

Matters Needing Attention

1. The equipment belongs to precision imaging products, do not knock, impact, squeeze and fall this product;
2. Battery polymer lithium battery, please comply with the local battery recycling terms;
3. Do not place the equipment or store in a humid place for a long time;
4. Do not be exposed to the equipment in the hot sun for a long time;
5. Do not use it in environments with large water vapor, easy to cause blurred lens or motherboard damage;
6. Do not use sharp instruments to scratch the lens surface, which will cause irreparable failure;
7. Each time the product is used up, please timely storage and storage, do not throw randomly;
8. Do not use corrosive detergent to wipe the equipment, which will cause damage;
9. The equipment is not used for a long time, it is recommended to charge at least once every month.

Fault Description And Troubleshooting

If the device is not working properly, please read the following carefully for a solution.

SYMPTOM	SOLUTION
No images	1. Observe the indicator status to confirm whether the device has been correctly connected to the mobile phone or iPad (the green light is long and the video mode is only switched to USB mode, so there is no image on the APP, and it needs to be switched to wireless mode. 2. Turn off the device and turn it on again. 3. Close the APP and restart it. 4. Adjust or turn on the lamp brightness adjustment wheel.
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FCC Warning Statement

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

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.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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