Content

CHAPTER 1 NOTES AND SAFETY REQUIREMENTS -------------------------- - 1 -
  1.1 Cautions and Notes--------------------------------------------- - 1 -

CHAPTER 2 SOFTWARE SYSTEM REQUIREMENTS ------------------------ - 2 -
  2.1 System Requirements under USB Work Mode---------------------- - 2 -
  2.2 System Requirements under WiFi Work Mode--------------------- - 2 -

CHAPTER 3 PACKAGE LIST ----------------------------------------- - 3 -

CHAPTER 4 FUNCTION INTRODUCTION ------------------------------- - 4 -
  4.1 Name and function for body units of Monocular Electron Microscope ------- - 4 -
    4.1.1 Buttons & Component Function------------------------------- - 5 -
  4.2 Units introduction for the device body------------------------ - 6 -
  4.3 Introduction of Each Unit------------------------------------ - 7 -

CHAPTER 5 PRODUCT APPLICATION SPECIFICATIONS ------------------ - 8 -
  5.1 Generation eyepiece work mode------------------------------- - 8 -
    5.1.1 Wired USB mode------------------------------------------ - 8 -
    5.1.2 Wireless WiFi Mode-------------------------------------- - 8 -
  5.2 Specifications for monocular electronic microscope--------- - 8 -

CHAPTER 6 INSTRUCTIONS ------------------------------------------ - 10 -
  6.1 USB Wired Work Mode---------------------------------------- - 10 -
    6.1.1 Install Oasis Scientific Software------------------------ - 10 -
    6.1.2 To Connect Device--------------------------------------- - 10 -
    6.1.3 Open Software------------------------------------------- - 10 -
    6.1.4 Start to Use-------------------------------------------- - 10 -
  6.2 WiFi Work Mode-IOS System----------------------------------- - 11 -
    6.2.1 Install Ucam Plus for iOS software---------------------- - 11 -
    6.2.2 To Connect Device--------------------------------------- - 11 -
    6.2.3 Open Software------------------------------------------- - 11 -
    6.2.4 Start to Use-------------------------------------------- - 11 -
  6.3 WiFi Work Mode-Android System-------------------------------- - 11 -
    6.3.1 Install Ucam Plus for Android Software------------------- - 11 -
    6.3.2 To Connect Device--------------------------------------- - 12 -
    6.3.3 Open Software------------------------------------------- - 12 -
    6.3.4 Start to Use-------------------------------------------- - 12 -
Chapter 1 Notes and Safety Requirements

1.1 Cautions and Notes

(1) To avoid danger or damage incurred to the lens, do not touch the lens or sensor directly with your fingers.

(2) To avoid failure or electric shock hazard and so on, do not disassemble or modify the internal structure of the device.

(3) Do not plug in or unplug the USB port when hands are wet.

(4) Do not use alcohol and other organic solvents to clean.

(5) If the lens or sensor is dirty or damp, you should better use dry and non-linen fabric or professional lens tissue to wipe them. To avoid scratches on the surface, do not touch the lens with your fingers. Wipe the lens or sensor lightly.

(6) The products are not specifically designed for an outdoor use. Do not expose it to outdoor environment without any protection. Excessive temperature and humidity will damage the lens. Please avoid using the product under the following environment: high temperature or high humidity environment, places with direct sunlight, dirt or vibration and places near heat source.

(7) Please use and store in the following environment:
   Operating temperature: -10℃~ 50℃
   Storage temperature: -20℃~ 60℃
   Operating Humidity: 30~80%RH
   Storage Humidity: 10~60%RH

(8) If any foreign matter, water or liquid enter into the device by accident, disconnect the USB cable immediately. Please send it to the maintenance center and do not use the hair dryer to dry it by yourself.

(9) To prevent microscope from being tripped over or dropped, please put away the device's USB cables in use or standby.

(10) To avoid electric shock by accident, please power off microscope before you move your computer or laptop.

(11) The cleanliness of the device lens will directly affect clarity degree of contents from the computer screen during preview. Problems like various circles or spots on the screen may mostly be incurred by dirt on the lens. When cleaning, please use professional lens tissue or other professional detergent to clear the dirt on the lens.
Chapter 2 Software System Requirements

2.1 System Requirements under USB Work Mode

- Windows XP SP3, Windows 7 (32 or 64 bits), Windows 8 (32 or 64 bits), Windows 8.1 (32 or 64 bits).
- Dual core 1.6 GHz or higher CPU
- USB 2.0 high-speed interface or USB2.0 compatible interface
- DVD-ROM driver (only needed when installing software)
- 2G or more memory
- At least 4 GB available hard-disk space

2.2 System Requirements under WiFi Work Mode

- 2.3 or above version for Android system.
- 5.0 or above version for IOS system.
Chapter 3 Package list

1. Main body

2. Installation disk

3. USB Power adaptor

4. Micro USB Cable

5. Dustproof bag
Chapter 4 Function Introduction

4.1 Name and function for body units of Monocular Electron Microscope

1. Supporting column  
2. Fixed bolt  
3. Bracket hand wheel  
4. Adjustment bracket  
5. Pedestal  
6. Electronic Eyepiece  
7. Monocular Microscope  
8. Manual screw  
9. Magnification Adjustment Ring  
10. Light-compensating lamp  
11. Regulation switch wheel of the light-compensating lamp
4.1.1 Buttons & Component Function

1. Work mode switch
   (1) WiFi work mode
       During turning on WiFi mode, the Electronic Eyepiece will work wirelessly. At this time, the devices which have the WiFi function can connect with the Electronic Eyepiece and begin operation.
       ◇ The details of the video image operation during this mode is in *User Manual of Ucam Plus for iOS English* wireless usage.
   
   (2) USB Cable Work Mode
       During turning on USB Cable work mode, the Electronic Eyepiece can connect PC with USB Cable and begin operation.
       ◇ The details of the video image operation during this mode is in *User Manual of Oasis Scientific English* Wired Oasis Scientific uses.

   (3) Power off Work Mode
       When turning off the Electronic Eyepiece, it will stop working.

2. LED indicator
   (1) Charge indicator
       Charge the eyepiece after the device is connected with adapter USB.
       The flash speed of the indicator is relevant to the battery quantity.
       Flash every 1.5 seconds for low or no battery power.
       Flash every 2.5 seconds for medium quantity power.
       Flash every 4 seconds for high battery power.
       Green light for full battery.
       For charge abnormality, the indicator flashes red for every 0.5 seconds.
       For high-temperature battery, the indicator keeps red.
(2) WiFi indicator
Switch the button to activate: start WiFi mode⇔WiFi indicator turns blue
Flash ⇔image output
Flash speed⇔The bigger the wifi data quantity, the quicker the flash frequency.

(3) Battery indicator
High battery power: green
Low battery power: red
No battery power: the device turns into power off after the red light flashes 30 times. Resetting the switch is necessary for normal work.
While the red light flashes, the device can continue working with charging.

3. USB port
Charge the Electronic Eyepiece is connecting adaptor with USB Cable; Connect PC with USB Cable, and turn on the USB Cable work mode, Electronic Eyepiece will start wired working.

4. Reset button
Push the reset button for 1 second for WiFi restart, and 6 seconds for default of the WiFi function.

4.2 Units introduction for the device body

Electronic eyepiece : with standard C port, the electronic eyepiece adopts new-generation COMS with actual pixel of 5 billion sensor chip for maximum picture noisy point. The device adopts unique WiFi technique to realize various observing channel such as through mobile phone or tablets, and also allows simultaneous watching by many people, avoiding the trouble of repeated focusing.

Microscope : with standard C port, the microscope can realize afocal zoom from 0.7 to 5. You can adjust the magnification of the microscope according to requirements to observe objects under different magnification.
Light-compensating lamp: it contains 16 lamps, arranged in annular form, providing balanced and sufficient light. The lamp can realize power supply by connecting to adapter and you can control the light degree by adjusting the level switch of the lamp power button.

Focusing bracket: adjusting the tightness degree of the fastening screw to move the bracket up and down on the column. Rotate the bracket hand wheel to adjust the height accurately, realizing fine adjustment of the object distance and making the picture more clearly.

4.3 Introduction of Each Unit

USB Cable: Charge the WiFi microscope eyepiece camera from the USB port in PC or adaptor. that makes the data transmission stable, effective, and safer.

Power adaptor: Charge the eyepiece with USB Cable. This adaptor is simple and small, and the rated operational voltage is between AC100V-240V, 50-60Hz.
Chapter 5 Product Application Specifications

5.1 Generation eyepiece work mode

5.1.1 Wired USB mode
1. Use USB cable to connect the eyepiece with computer.
2. Switch the eyepiece button to USB mode.
3. Open the software Oasis Scientific. (For detailed operational methods, please refer to User Manual of Oasis Scientific English)

5.1.2 Wireless WiFi Mode
1. Switch the electronic eyepiece button to WiFi mode.
2. Connect the device (mobile phone, tablet and computer etc.) to WiFi(VideoWiFi-xxxxxx, Code: 12345678)
3. Open the software
   Open the PC wireless software Oasis Scientific (Click the “Connect wireless device” in the software interface and select " Wireless Device" in the camera option.)
   Open the mobile device software Ucam Plus. (For detailed operation, please refer to User Manual of Ucam Plus for Android English)

5.2 Specifications for monocular electronic microscope
1. Connect the electronic eyepiece to devices (computer or mobile device) and open the software.
2. Connect the fill light to adapter for power supply.
3. Place the observed object on the pedestal right under the microscope.
4. Unscrew the fastening bolt, adjust the bracket by moving up and down and adjust the height of the microscope (until the computer displays pictures clearly).
5. Adjust the magnification to the maximum (5 times).
6. Adjust the bracket hand wheel until the picture displays clearly.
7. Start to use.
Chapter 6 Instructions

6.1 USB Wired Work Mode

6.1.1 Install Oasis Scientific Software

Put the appendant disc into the DVD driver of your computer, click Oasis Scientific Install file and finish the installation of the application software according to the software reminder. For detailed install methods, please refer to User Manual of Oasis Scientific English.

6.1.2 To Connect Device

(1) Connect the attached USB cable Micro USB end (small one) to the USB port of the WiFi microscope eyepiece camera and the USB-A port (big one) of the USB cable to the USB port of the computer.

(2) Turn the WiFi microscope eyepiece camera work mode switch to USB work mode. It may appear the reminder for installing device’s driver when you first use the WiFi microscope eyepiece camera and then system will finish installation automatically.

6.1.3 Open Software

(1) Place the monocular electronic microscope and put the observed objects right under the microscope.

(2) Run the Oasis Scientific software in the computer and observe the required image on the device.

6.1.4 Start to Use

(1) Connect the electronic eyepiece to the microscope according to requirements.

(2) Open the electronic eyepiece and connect the device.

(3) Adjust the microscope or electronic eyepiece button to observe the object.

(4) For detailed specifications, please refer to User Manual of Oasis Scientific English.
6.2 WiFi Work Mode-IOS System

6.2.1 Install Ucam Plus for iOS software

Download and install Ucam Plus Vision software in APP Store of Apple.

6.2.2 To Connect Device

(1) Switch the work mode of the WiFi electronic microscope to WiFi. Within 3 seconds, WiFi indicator inside the WiFi electronic eyepiece flashes blue.

(2) Setup for IPAD or IPHONE system- Connect the WiFi electronic eyepiece with WiFi. WiFi name: VideoWiFi-xxxxxx, Code: 12345678

6.2.3 Open Software

(1) Place the monocular electronic microscope and put the observed objects right under the microscope.

(2) Execute the Ucam Plus software under the desktop of system to observe your needed image.

6.2.4 Start to Use

For more detailed instructions, please refer to User Manual of Ucam Plus for iOS English.

6.3 WiFi Work Mode-Android System

6.3.1 Install Ucam Plus for Android Software

You can use one of the following two methods when installing software.

(1) Download and install Ucam Plus software on Google play.

(2) Copy the Ucam Plus for Android software to Android system for installation.
6.3.2 To Connect Device

(1) Switch the work mode of the WiFi electronic microscope to WiFi. Within 3 seconds, WiFi indicator inside the WiFi electronic eyepiece flashes blue.

(2) Setup for IPAD or IPHONE system- Connect the WiFi electronic eyepiece with WiFi. WiFi name: VideoWiFi-xxxxxx, Code: 12345678

6.3.3 Open Software

(1) Place the monocular electronic microscope and put the observed objects right under the microscope.

(2) Execute the Ucam Plus software under the desktop of system to observe your needed image.

6.3.4 Start to Use

For more detailed instructions, please refer to *User Manual of Ucam Plus for Android English*. 