WiFi Camera Eyepiece

User's Manual
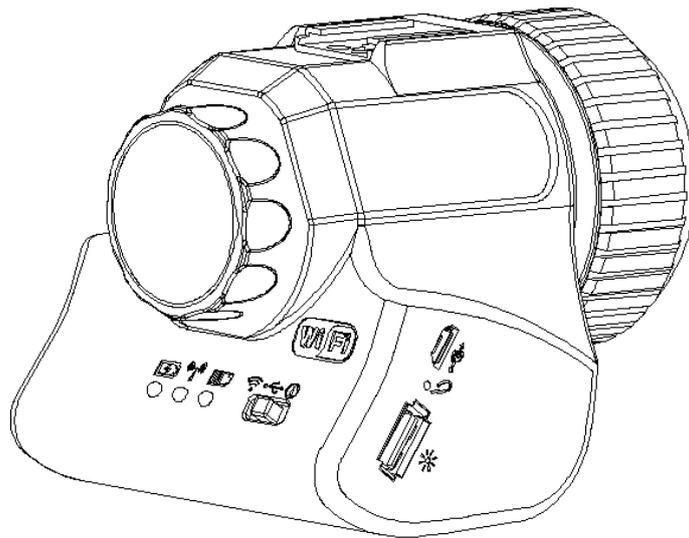
Content

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）、Windows 10（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
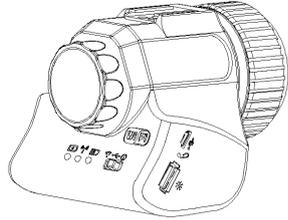
1. Main body
2. Installation disk

3. USB Power adaptor
4. Micro USB Cable
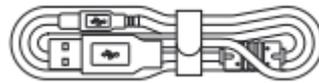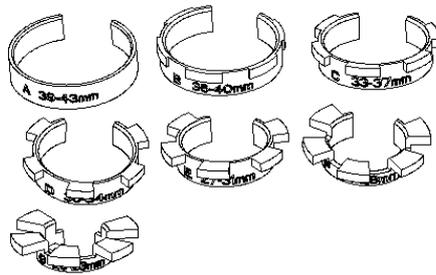
5．Lantern Ring
6、Reset pin

7、Metal holder and mobile phone bracket(select accessories)
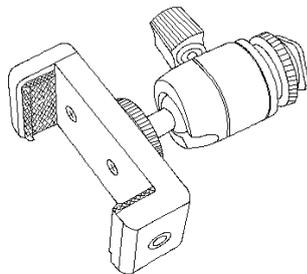
Chapter 4 Function Introduction

4.1 Name and function for body units of eyepiece
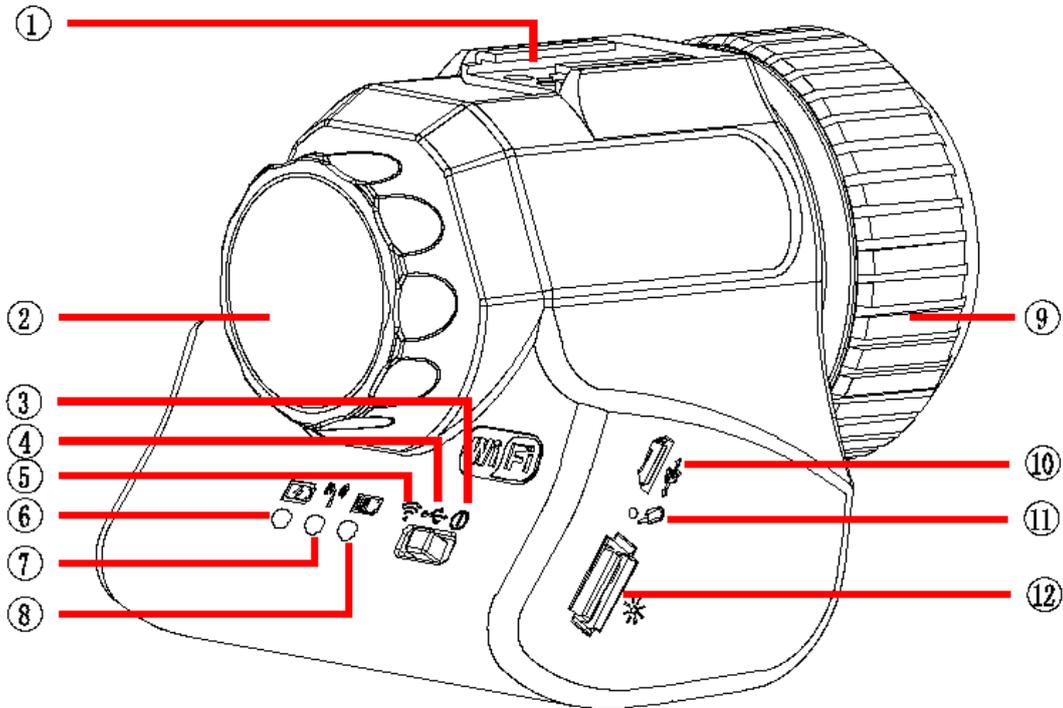
①Hot shoe (Hot shoe stop dog)　②Eye height regulation ring　③Power off

④Wired Work Mode　　　　　　⑤WiFi work mode　　　　　⑥Charge indicator

⑦WiFi indicator　　　　　　　⑧Battery indicator　　　　　⑨Chuck screw ring

⑩Micro USB port　　　　　　　⑪Reset hole　　　　　　　　⑫Macro USB port A

4.1.1 Buttons & Component Function

1. Work mode switch
（1）wifi work mode

During turning on wifi mode, WiFi Camera Eyepiece will work wirelessly. At this time, the devices which have the wifi function can connect with the WiFi Camera Eyepiece and begin operation.

◇The details of the video image operation during this mode is in 《User Manual of DECUT-WIFI for iOS English》 wireless usage.

（2）**USB Cable Work Mode**

During turning on USB Cable work mode，WiFi Camera 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 DECUT-WIFI English》Wired DECUT-WIFI uses.

（3）**Power off Work Mode**

When turning off the WiFi Camera 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 abnormity, 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 WiFi Camera Eyepiece is connecting adaptor with USB Cable; Connect PC with USB Cable, and turn on the USB Cable work mode, WiFi Camera 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

	Built-in chuck	:	this unit, fixed on the ocular, is coordinated with the chuck screw ring for contracting and tightening. Its inside circle, matched with different lantern rings, is applicable for various ocular connection.
	Eye height regulating ring	:	this unit is built in with swivel bolt. Through rotating the regulating ring, you can adjust the distance between the lens and the eyepiece to achieve desirable eye height.
	Chuck screw ring	:	Surface with knurl is handy for usage. Inside with taper thread makes the built-in chuck coordinated with the lantern ring more tight and safe.
	Lantern ring	:	altogether there are 7 lantern rings. With application range of 20-43mm (no lantern ring for eyepiece of 42-46mm), the WiFi Camera Eyepiece can be applied to various kinds of eyepieces. You can choose the suitable lantern ring for different eyepieces.
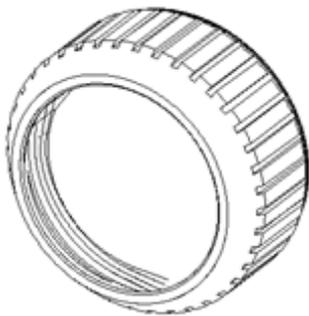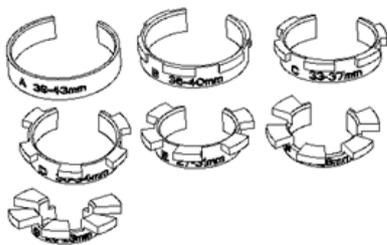
4.3 Accessories Introduction
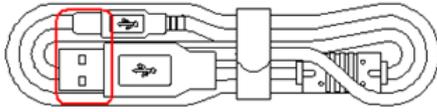
| | USB Cable | : | Charge the WiFi microscope eyepiece camera from the USB port in PC or adaptor. that makes the data transmission stable, effective, and safer. |

| | 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. |
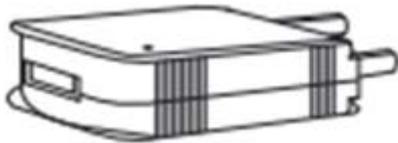
Chapter 5 Product Application Specifications

5.1   second 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 DECUT-WIFI. (For detailed operational methods, please refer to *User Manual of DECUT-WIFI English*)

5.1.2 Wireless WiFi Mode

1. Switch the WiFi Camera Eyepiece   button to WiFi mode.

2. Connect the device (mobile phone, tablet and computer etc.) to WiFi
   (WiFiCamera_xxxxxx，Code：12345678)

3. Open the software
   Open the PC wireless software DECUT-WIFI (Click the "Connect wireless device" in the software interface and select " Wireless Device" in the camera option.)

Open the mobile device software DECUT-WIFI. (For detailed operation, please refer to *User Manual of DECUT-WIFI for Android English*)

5.2   WiFi Camera Eyepiece assembly and disassembly

### 5.2.1 Assembly of   WiFi Camera Eyepiece and microscope

1. According to the size of the microscope eyepiece diameter, select the appropriate adapter(seven adapters, diameter from 20 ~ 46mm); for eyepiece diameter in 42-46mm, no adapter is needed.
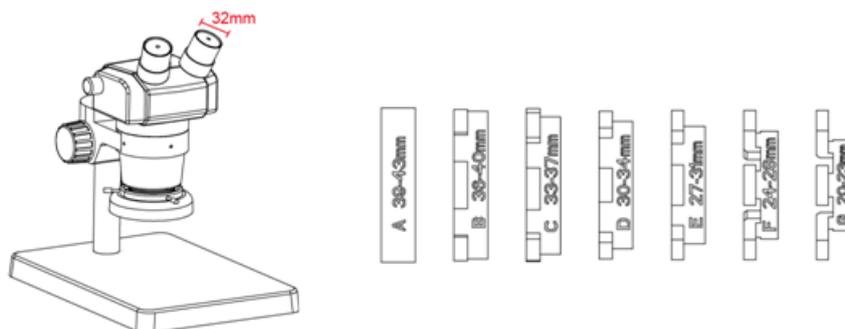
2. For example: eyepiece diameter , choose adapter # D (30-34mm) , put into the chuck, remove the eyepiece, flat on the inner jacket, tighten the swivel.
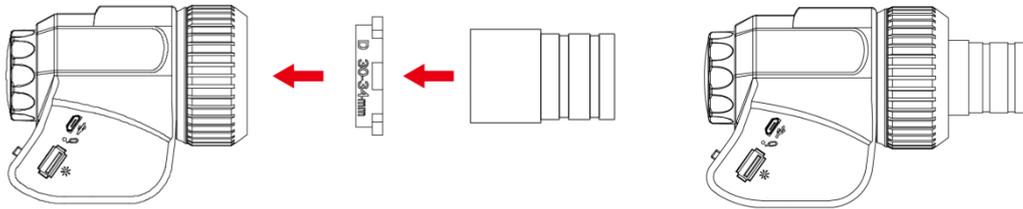

3. Insert into microscope eyepiece tube, start work modes (both USB and WiFi work modes available).

4. Adjust the focal length of the exit pupil until the tangent circle white image Consistent with the visual effect. Adjust the microscope working distance and zoom knob to the proper position. Installation complete.
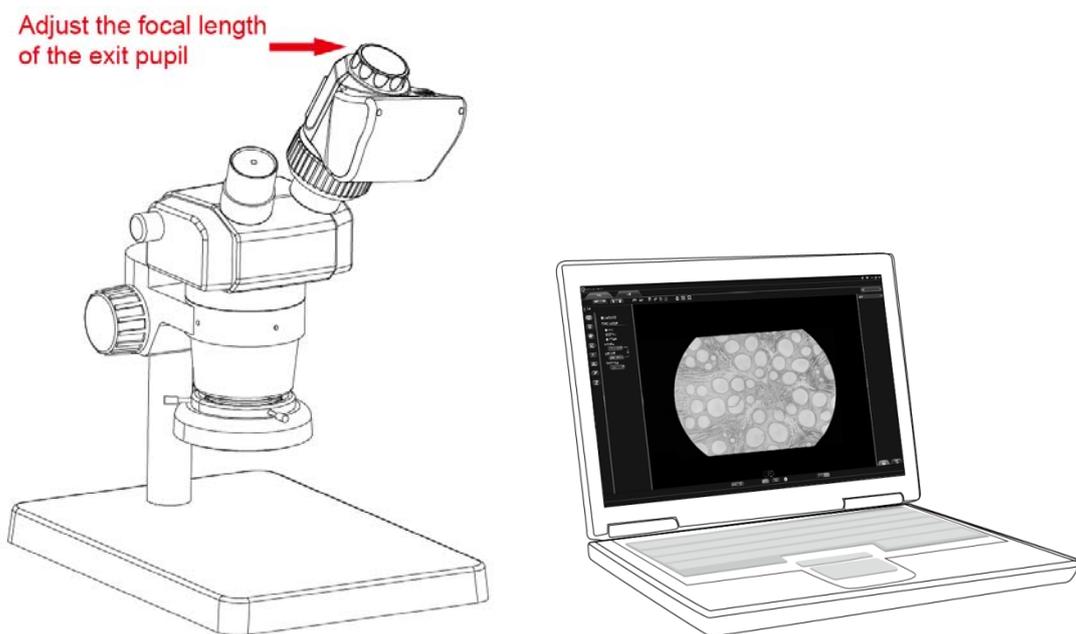
5.2.2 Assembly of WiFi Camera Eyepiece and Spotting Scopes

1.According to the size of the Spotting Scopes eyepiece diameter, select the appropriate adapter(seven adapters, diameter from 20 ~ 46mm); for eyepiece diameter in 42-46mm, no adapter is needed.
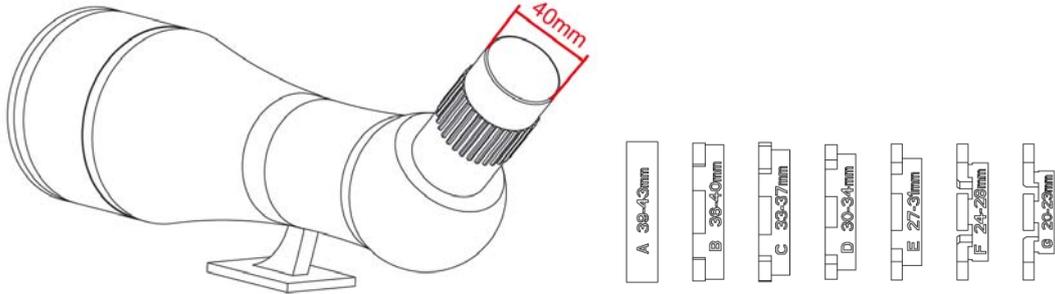
2. For example: for φ40mm eyepiece, choose the torus A, put into bottom of after loose it's adapter
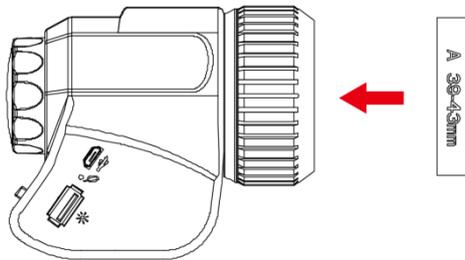
3. Screw together with the torus into spotting scopes' eyepiece.
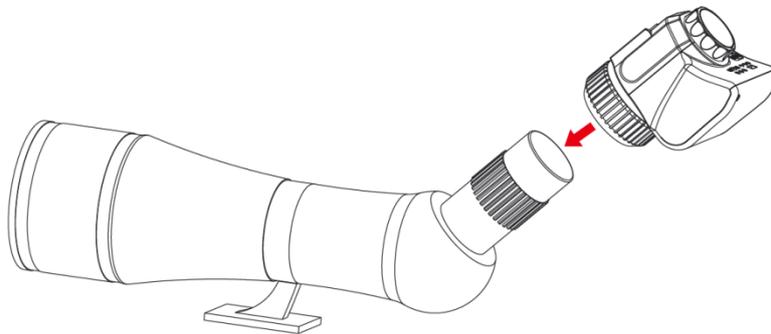
4. Turn on working mode , start software/app, adjust exit pupil until gettting a round image(same view as observation from eyes) , adjust spotting scope's maganification and start to use.
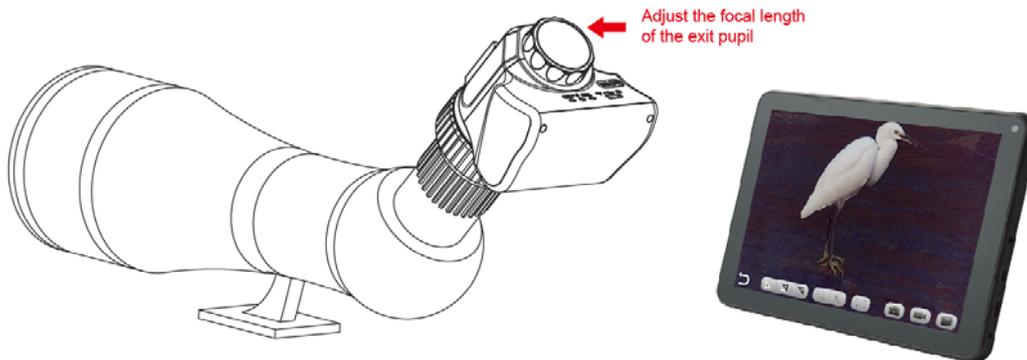
Chapter 6 Instructions

6.1 USB Wired Work Mode

6.1.1 Install DECUT-WIFI Software

Put the appendant disc into the DVD driver of your computer, click DECUT-WIFI 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 DECUT-WIFI 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 WiFi microscope eyepiece camera soundly and align the lens to the observation object.
(2) Execute the DECUT-WIFI software under the desktop of system to observe your needed image.

6.1.4 Start to Use

(1)Connect the WiFi Camera Eyepiece to the microscope (telescope) according to requirements.
(2)Open the WiFi Camera Eyepiece and connect the device.
(3)Adjust the microscope (telescope) or adjust the adjustment ring of the WiFi Camera Eyepiece to observe the object.
(4)For detailed specifications, please refer to *User Manual of DECUT-WIFI English.*

6.2 WiFi Work Mode-IOS System

6.2.1 Install DECUT-WIFI for iOS software

Download and install DECUT-WIFI 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 Camera Eyepiece flashes blue.

(2) Setup for IPAD or IPHONE system- Connect the WiFi Camera Eyepiece with WiFI. WiFi name: WiFiCamera_xxxxxx, Code：12345678

6.2.3 Open Software

(1) Place the WiFi microscope eyepiece camera soundly and align the lens to the observation object.
(2) Execute the DECUT-WIFI software under the desktop of system to observe your needed image.

6.2.4 Start to Use

(1)Connect the WiFi Camera Eyepiece to the microscope (telescope) according to requirements.
(2)Open the WiFi Camera Eyepiece and connect the device.
(3)Adjust the microscope (telescope) or adjust the adjustment ring of the WiFi Camera Eyepiece to observe the object.
(4)For detailed specifications, please refer to *User Manual of DECUT-WIFI for iOS English.*

6.3 WiFi Work Mode-Android System

6.3.1 Install DECUT-WIFI for Android Software

You can use one of the following two methods when installing software.
(1) Download and install DECUT-WIFI software on Google play.
(2) Copy the DECUT-WIFI 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 Camera Eyepiece flashes blue.

(2) Setup for IPAD or IPHONE system- Connect the WiFi Camera Eyepiece with WiFI. WiFi name: WiFiCamera_xxxxxx, Code：12345678

6.3.3 Open Software

(1) Place the WiFi microscope eyepiece camera soundly and align the lens to the observation object.

(2) Execute the DECUT-WIFI 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 DECUT-WIFI for Android English.*