Manual

ACCU-SCOPE®

SKYE WiFi™

Camera Set Up & Installation

KS063400G4-Ver1.0

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, it is 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 designed for 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 enters 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.
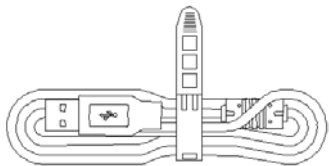- 5.0 or above version for iOS system.

Chapter 3 Package list

1. SKYE WiFi Camera
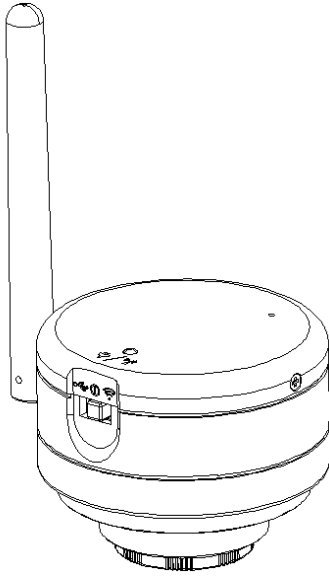
2. Installation disk

3. USB cable

4. USB power adapter

Chapter 4 Function Introduction

4.1 Name and function for body units of SKYE WiFi Camera

4.1.1 Body Introduction：

SKYE WiFi Camera ：

Standard C-mount SKYE WiFi Camera suitable for adapter ring of 23.3mm, 30mm and30.5mm, achieving connections with microscopes of different interfaces; the new 5-megapixel light-sensitive CMOS chips significantly reduce the image noise, bearing characteristics of quick transmission speed, excellent color rendition, clear image and storage convenience, etc., which can be widely used in industrial tubes, teaching, material analysis, clinical examination, machine vision, etc.

4.1.2 Function for body units of SKYE WiFi Camera
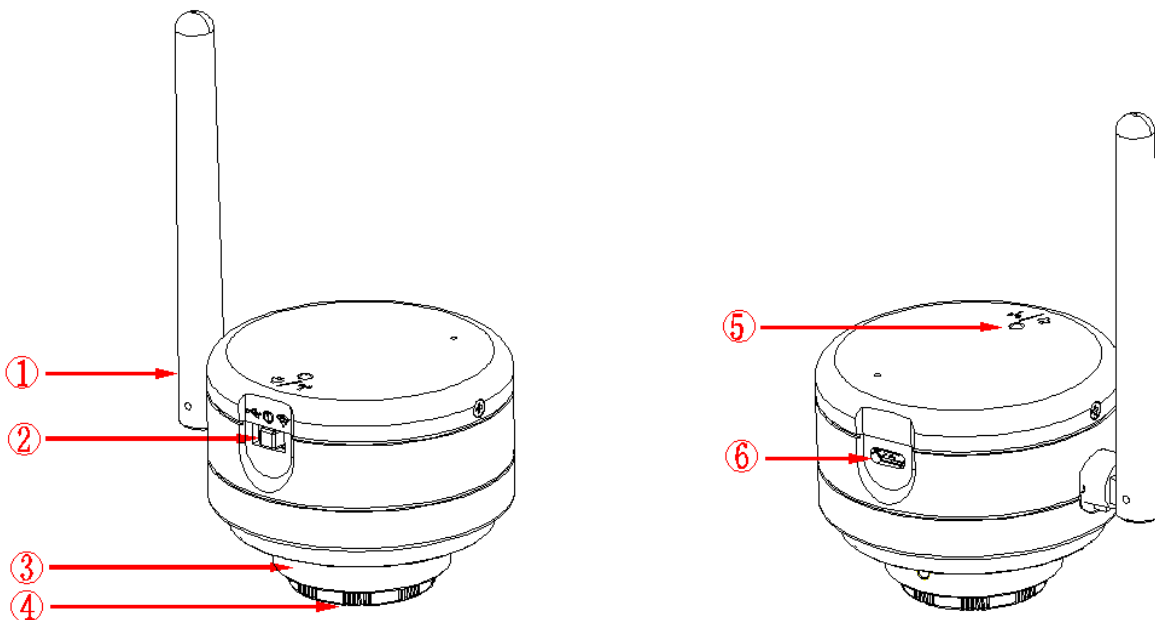
① **Antenna：** External antenna。

② **Toggle key：**

Divided into Three states：

- ◆ Toggle left（USB Icon）： PC enable。
- ◆ Toggle middle (switch Icon): shut down。
- ◆ Toggle right (WiFi Icon)： wireless WiFi enable。

③**C-mount thread:** camera can be installed using a standard C-mount adapter for microscope; or can install to a different microscope ports with different adapters (i.e. eyetube) – requires optional accessory.（For detailed specifications, please refer to Chapter 5）

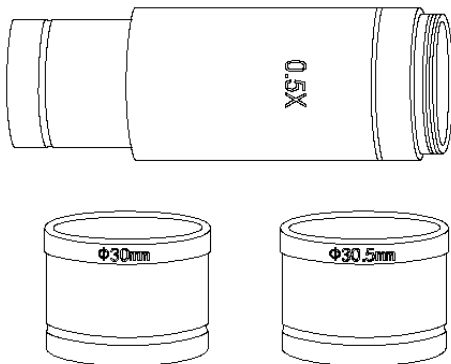④ **Dustproof Cover:** screw it out before use for dust prevention and chip protection.

⑤ **LED Lights:**

Two color Lights：
- ●USB State：Red lights
- ●WiFi State：Blinking blue lights.

⑥**Micro USB interface:** Operating charging and cable mode actions via USB interface.

4.2 Optional accessory Introduction

Adapter Ring for Eyetube (Optional Components): SKYE WiFi Camera can be equipped intomocroscopes of different calibers throughadapter ring and eyepiece. The Camera eyepiece body is of Standard C Port; 0.5X eyepiece is of 23.2mm; adapter ring is of 23.2/30mm, 23.2/30.5mm. According to different assembly methods, the equipment can be connected to eyepieces of different ports. Contact your microscope dealer for the appropriate accessories to fit your microscope.
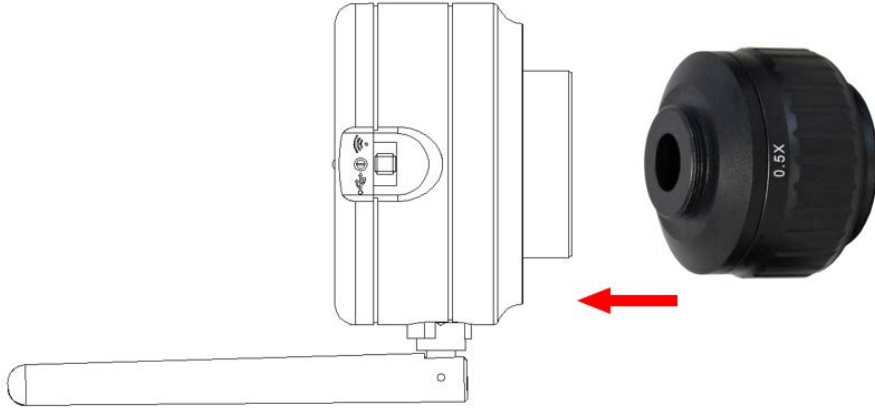
C-mount Adapter for Microscope Camera can be adapted to most manufactuer's microscopes. dealer for the appropriate C-mount model of microscope.

Photo Port: SKYE WiFi photo ports of most Contact your microscope adapter to fit your particular
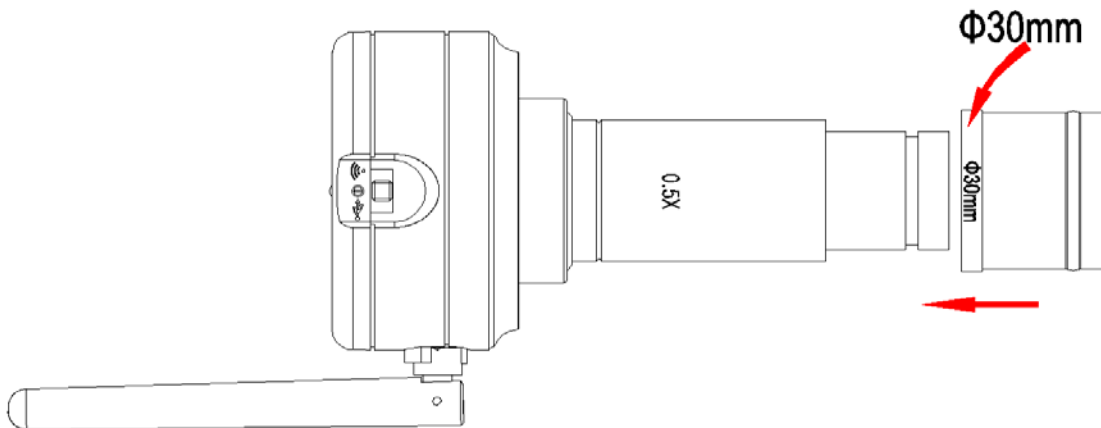
4.2.1 Connection methods and types

1. Install to a standard C-mount interface microscope

2. Install to a 23.2mm interface microscope
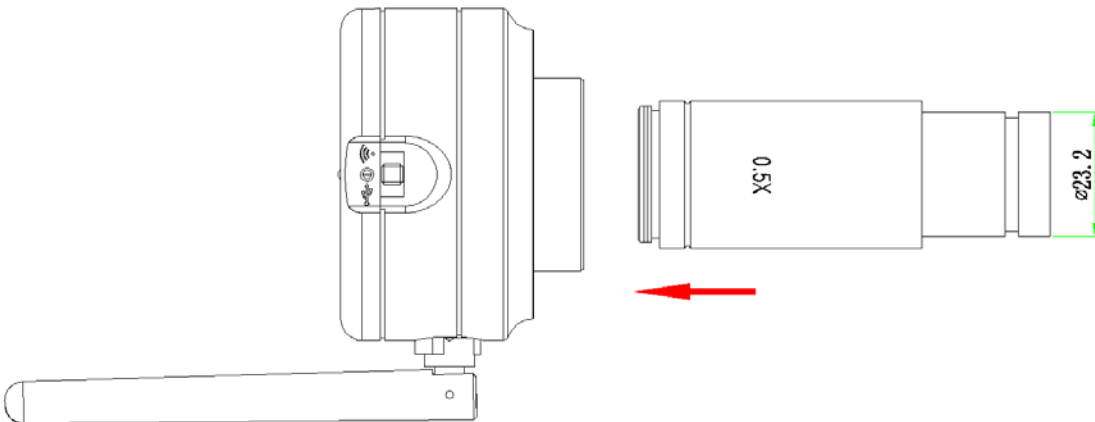
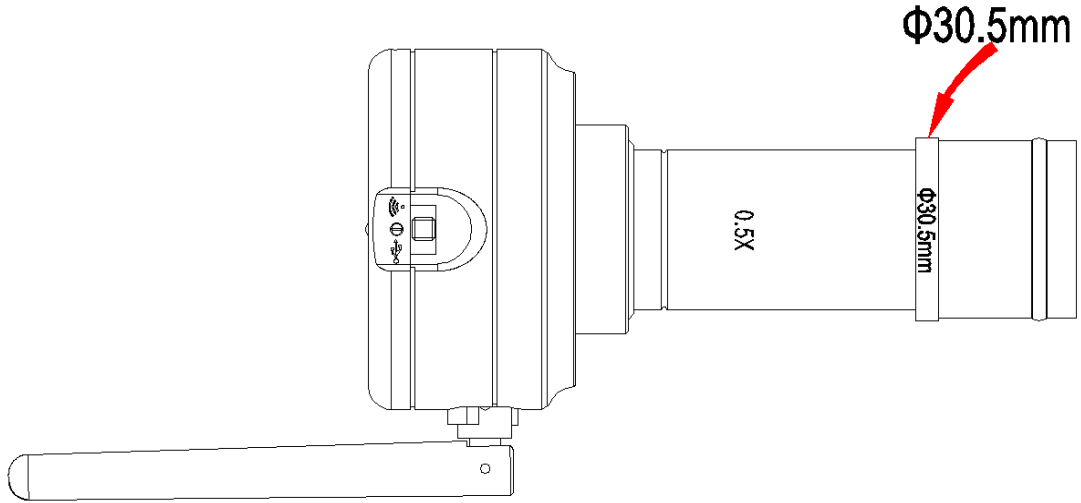
3．Install to a 30mm interface microscope

4．Install to a 30.5mm interface microscope

Φ30.5mm

Φ30.5mm

0.5X

Chapter 5 Product Assembly Guide

## 5.1 SKYE WiFi Camera assembly and disassembly

5.1.1 SKYE WiFi Camera Assemble with Microscopes

1．Connection of Microscope for Standard C-mount

（1）Unscrew the plastic dustproof cover at the bottom of the SKYE WiFi Camera, take the protective film on the filter of the cavity (See Picture 1).

（2）Screw the SKYE WiFi Camera to other microscopes (Standard C-mount) (See Picture 2).

（3）Connect the camera to the computer (WiFi or USB mode) and start the program.
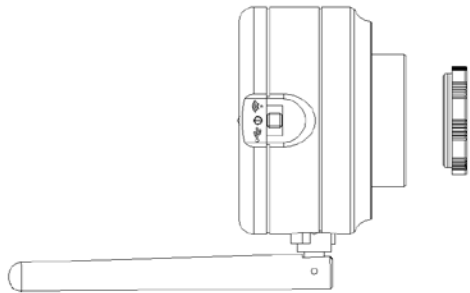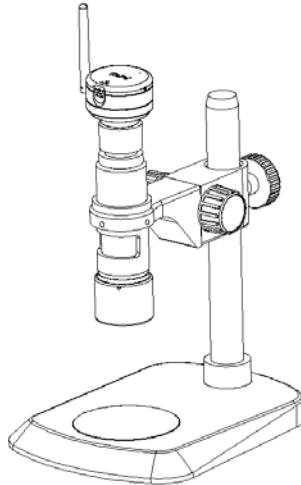
| Picture 1 | Picture 2 |

2. Connection with Stereomicroscope

（1）Unscrew the dustproof cover of the SKYE WiFi Camera, and remove protective film from in front of the sensor.

（2）Connect the camera to additional eyepiece adapter (See Picture 1 and 2).

（3）Narrow the eyepiece cover (or empty sleeve) into 23.2/30mm adapter ring (or 23.2/30.5mm adapter ring).

（4）Set the adapter ring with SKYE WiFi Camera to stereomicroscope (See Picture 3).
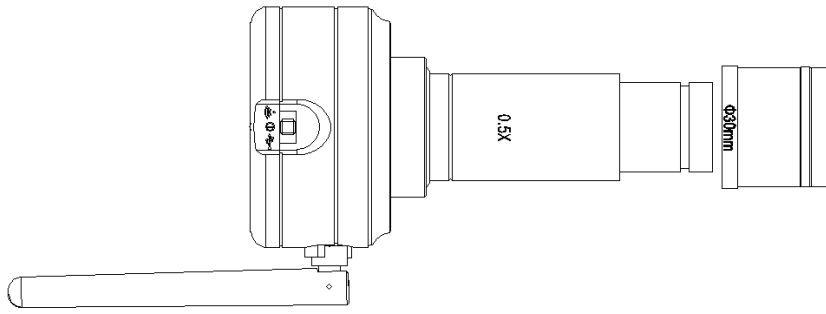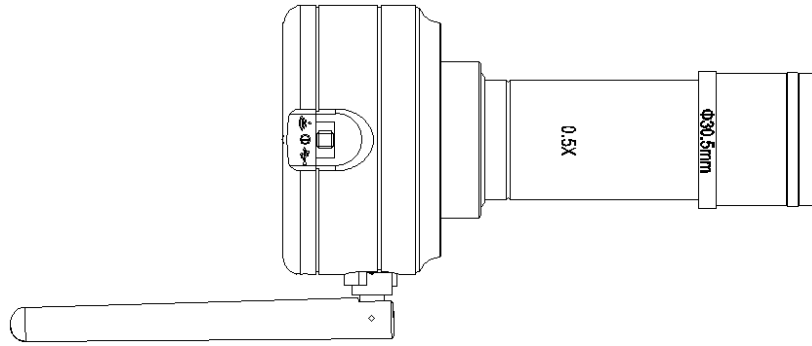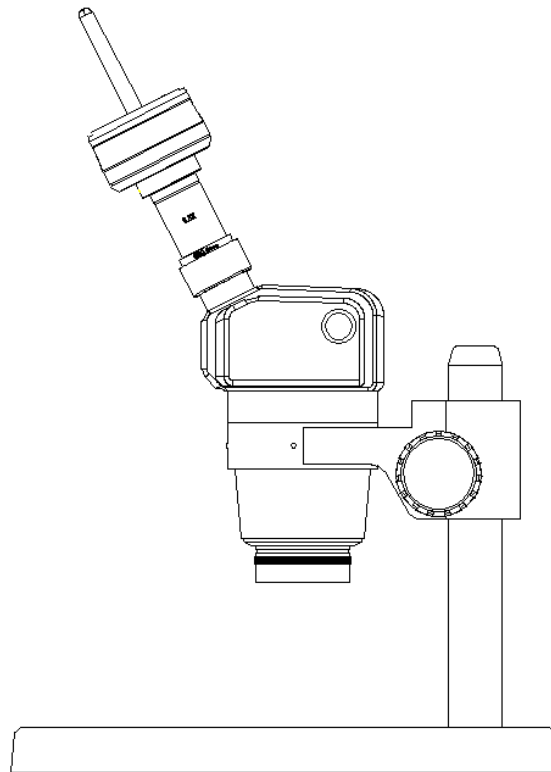
Picture 1

Picture 2

Picture 3

5.1.2 SKYE WiFi Camera Disassembly

1. Disassembly with Standard C-mount SKYE WiFi Camera
（1）Turn off the software and unplug the USB cable.
（2）Unscrew the SKYE WiFi Camera from the microscope camera adapter.
（3）Screw the plastic dustproof cover on.
（4）Put the SKYE WiFi Camera back in original box for safe storage.

2. Disassembly with Stereomicroscope
（1）Take the product and adapter ring out from the stereomicroscope.
（2）Disassemble the adapter ring and eyepiece from the product.
（3）Screw the plastic dustproof cover on.
（4）Put the SKYE WiFi Camera back in original box for safe storage.

Chapter 6 Instructions

6.1 USB Wired Work Mode

6.1.1 Install SKYE View Software

Put the included disc into the DVD driver of your computer, click SKYE View Install file and finish the installation of the application software according to the on-screen prompts. For detailed install methods, please refer to User Manual for SKYE View.

6.1.2 To Connect Device

(1) Connect the USB port of the SKYE WiFi Camera to the USB port of the computer.

(2) The device's driver may automatically install when you first use the
    SKYE WiFi Camera, and then system will finish installation automatically.

6.1.3 Open Software

(1) Attach the SKYE WiFi Camera to the microscope and, using the eyepieces, focus on the desired object.

(2) Execute the SKYE View software in your computer to observe your needed image.   You may need to switch the light path to send light to the camera.

6.1.4 Start to Use

(1) Connect the microscope to SKYE WiFi Camera when required.

(2) Turn on the SKYE WiFi Camera and connect to the device.

(3) Adjust the microscope or SKYE WiFi Camera button to view required objects.

(4) For more detailed instructions, please refer to User Manual of SKYE View.

6.2 WiFi Work Mode-iOS System

6.2.1 Install SKYE View for iOS software

Download and install SKYE View software in Apple APP Store.

6.2.2 To Connect Device

(1) Turn the work mode switch of the SKYE WiFi Camera to WiFi work mode. After 20 seconds, WiFi work indicator of SKYE WiFi Camera blinks.

(2) Setting under iPAD or iPhone system-connect SKYE WiFi Camera under WiFi, WiFi name: WiFiCamera-xxxxxx, default password: 12345678

6.2.3 Open Software

(1) Attach the SKYE WiFi Camera to the microscope and, using the eyepieces, focus on the desired object.

(2) Execute the SKYE View mobile app on your iOS device to observe your needed image. You may need to switch the light path to send light to the camera.

6.2.4 Start to Use

For more detailed instructions, please refer to User Manual of SKYE View for iOS.

6.3 WiFi Work Mode-Android System

6.3.1 Install SKYE Viewfor Android Software

You can use one of the following two methods when installing software.
(1) Download and install SKYE View software on Google Play.
(2) Copy the SKYE View for Android software to Android system for installation.

6.3.2 To Connect Device

(1) Turn the work mode switch of the SKYE WiFi Camera to WiFi work mode. After 20 seconds, WiFi work indicator of SKYE WiFi Camera blinks.

(2) Setting under Android mobile phone or tablet system-connect SKYE WiFi Camera under WiFi, WiFi name: WiFiCamera-xxxxxx, Default password: 12345678

6.3.3 Open Software

(1) Attach the SKYE WiFi Camera to the microscope and, using the eyepieces, focus on the desired object.

(2) Execute the SKYE View mobile app on your iOS device to observe your needed image.　You may need to switch the light path to send light to the camera.

6.3.4 Start to Use

For more detailed instructions, please refer to User Manual of SKYE View for Android.