



ACCU-SCOPE®

Manual



SKYE
View™

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Chapter 1: Notes and Safety Requirements

1.1 Caution 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°C ~ 50°C
Storage temperature: -20°C ~ 60°C
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. Do not attempt to dry it yourself (e.g. with a hair dryer).
- (9) To prevent microscope from being tipped 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 image quality on the computer screen during preview. Artifacts like various circles or spots on the screen may be caused by dirt on the lens. When cleaning, please use professional lens tissue or other professional detergent to remove the dirt on the lens.
- (12) Registered trademark and copyright: Copyright ownership of this product belongs to ACCU-SCOPE Inc. No organizations or individuals shall photocopy, print, or translate to another language any part of this document without expressed written authorization by ACCU-SCOPE.

Chapter 2: Software System Requirements

2.1 System Requirements for USB Work Mode

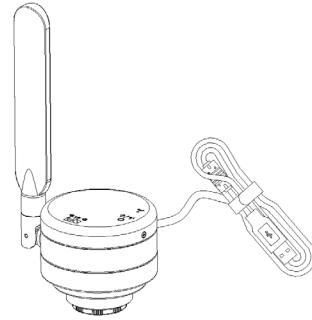
- Windows 7, 8, or 10. 64-bit only.
- Dual core **3 GHz** or higher CPU
- USB **2.0** high-speed interface or USB2.0 compatible interface
- DVD-ROM driver (only needed when installing software)
- **8G or more memory**
- At least **10 GB available hard-disk space**

2.2 System Requirements for WiFi Work Mode

- Android 5.0 or above for Android device.
- iOS 8.0 or above for iOS/Apple device.
- Wireless network hardware must support the 802.11n/ac protocol (5G mode).

Chapter 3: Packing list

1. WiFi Digital Camera



2. USB Power Adapter



Chapter 4: Function Introduction

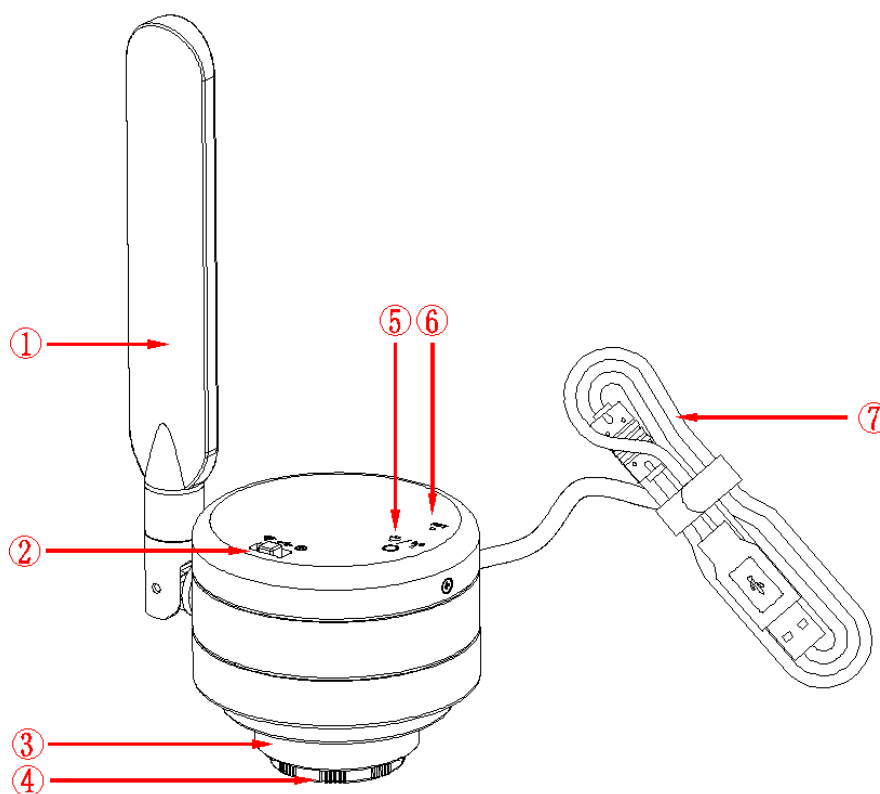
4.1 Name and function of body units of WiFi Digital Camera

4.1.1 Body Introduction:

WiFi Digital Camera:

Standard C-mount WiFi Digital Camera is also suitable for 23.3mm, 30mm and 30.5mm adapter rings, connects to microscopes in multiple ways; the new 5MP light-sensitive CMOS chip significantly reduces the image noise, provides fast data transmission speed, excellent color rendition, clear image, and storage convenience. Ideal for use in industrial production, teaching, material analysis, clinical examination, machine vision, etc.

4.1.2 Function for body units of WiFi Digital Camera



① **Antenna:** External antenna.

② **Toggle key:**

Three positions:

- ◆ Toggle left (WiFi Icon): wireless WiFi mode enabled.
- ◆ Toggle middle (USB Icon): PC mode enabled.
- ◆ Toggle right (switch Icon): Power off.

1. Note: Input rated current of 500mA under USB connection mode; input rated

current 1500mA under WiFi connection mode.

③ **C-mount thread:** camera can be installed using a standard C-mount microscope adapter; other adapters can be use to install the camera using different microscope interfaces (refer to Chapter 5 for specifications).

④ **Dustproof Cover:** remove before use. Provides dust prevention and chip protection prior to installation.

⑤ **LED Lights:**

Two color Lights:

- USB mode: Red lights
- WiFi mode: Flashing blue lights.

⑥ **WiFi signal switch/reset button hole**



Note: The default WiFi output signal is 5G; 2.4G and 5G signals can be switched by pressing the reset hole with a straightened paper clip for 1-3 seconds.

Short press: press 1-3 seconds to switch WiFi signals (2.4G to 5G, and vice versa)

Long press: more than 10 seconds, restores the default Settings

⑦ **USB line:** USB power supply.

Chapter 5: Product Assembly Guide

5.1 WiFi Digital Camera assembly and disassembly

5.1.1 WiFi Digital Camera Assembly with Microscopes

1. Connect to Microscope with Standard C-Mount

- (1) Unscrew the plastic dustproof cover at the bottom of the WiFi Digital Camera. Remove the protective film off the filter in the cavity (See Picture 1).
- (2) Screw the WiFi Digital Camera to other microscopes (Standard C-Mount) (See Picture 2).
- (3) Connect the camera to the computer and start the software.

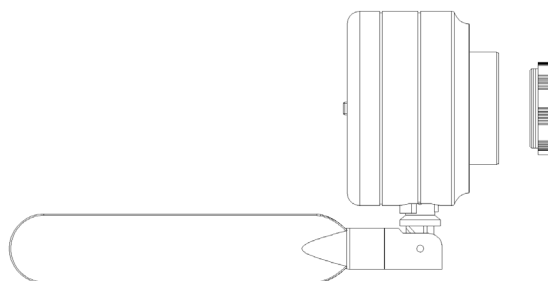


Fig. 1

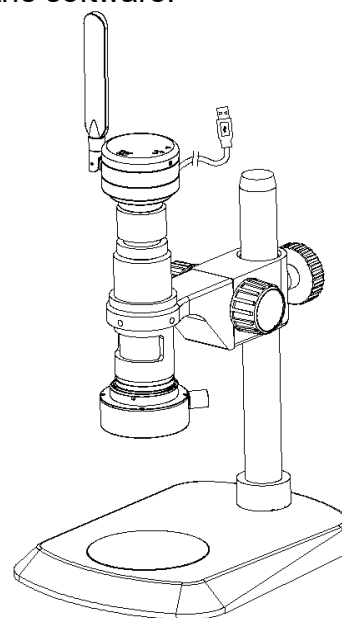


Fig. 2

2. Connect to Stereo Microscope

- (1) Unscrew the dustproof cover of the WiFi Digital Camera, take the protective film on the filter of the cavity.
- (2) Connect the camera to C-mount adapter (for trinocular stereo microscope) or eyetube adapter (See Fig. 3 and 4).
- (3) Insert other end of camera adapter into trinocular port or into eyetube (Fig. 5. Remove eyepiece first).

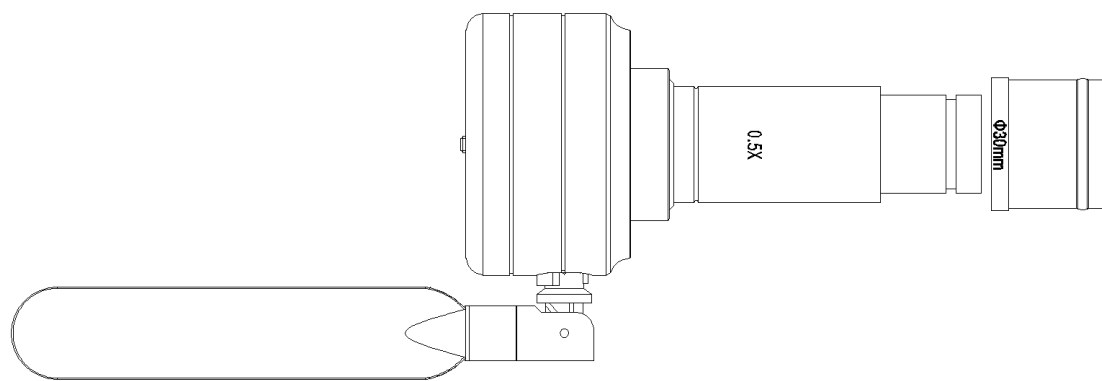


Fig. 3

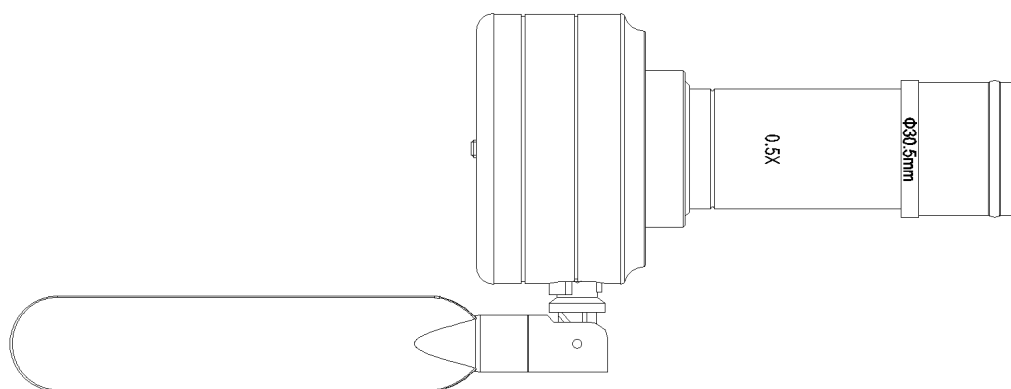


Fig. 4

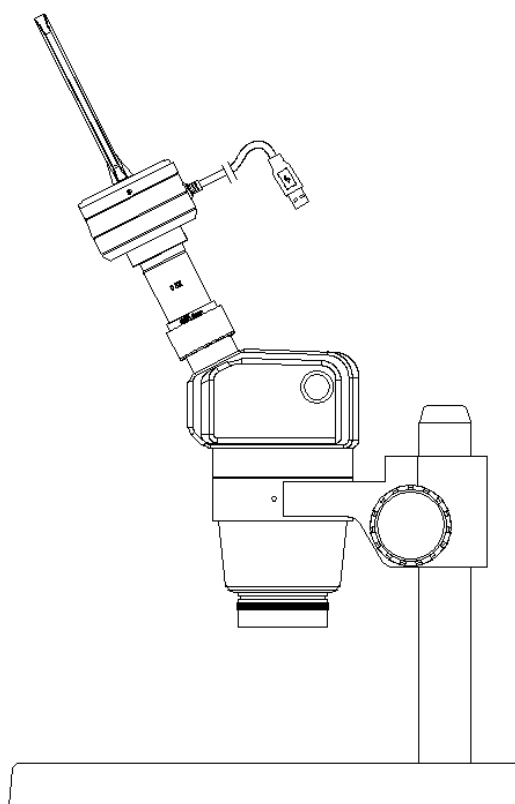


Fig. 5

5.1.2 WiFi Digital Camera Disassembly

1. Disassembly with Standard C-Mount WiFi Digital Camera

- (1) Turn off the software and unplug the USB cable.
- (2) Remove the WiFi Digital Camera with C-Mount adapter from the microscope.
- (3) Remove the C-Mount adapter from the camera.
- (4) Screw the plastic dustproof cover onto the C-Mount.
- (5) Secure the WiFi Digital Camera to avoid dropping.

2. Disassembly with Stereo Microscope

- (1) Turn off the software and unplug the USB cable.
- (2) Remove the WiFi Digital Camera with adapter from the microscope.
- (3) Remove the adapter from the camera.
- (4) Screw the plastic dustproof cover onto the C-Mount.
- (5) Secure the WiFi Digital Camera to avoid dropping.
- (6) If the eyetube was used, replace the eyepiece.

Chapter 6 Instructions

6.1 USB Wired Work Mode

6.1.1 Install SKYE View™ 2 Software

Download the Windows PC installer file by navigating to accu-scope.com > Support > Software & Updates, and scroll to locate SKYE View Software. **NOTE:** only SKYE View 2 software is compatible with SKYE WiFi 2 cameras.

6.1.2 To Connect Device

- (1) Connect the USB-A port of the USB cable to the USB port of the computer.
- (2) Turn the WiFi Digital Camera work mode switch to USB work mode. A reminder to install the device's driver may appear when you first use the WiFi mode. The camera and system will automatically finish installation.

6.1.3 Open Software

- (1) Ensure that the WiFi Digital Camera is secured to the microscope, and focus on the sample for observation.
- (2) Launch the SKYE View 2 software in your computer to observe your needed image.

6.1.4 Start to Use

- (1) Using the eyepieces, focus on the sample.
- (2) Observe the live image in the software. If available, adjust the camera adapter to focus the image on the monitor so that it matches the image seen in the eyepieces.
- (3) For more detailed instructions, please refer to User Manual of SKYE View 2 software.

6.2 WiFi Work Mode - iOS System

6.2.1 Install SKYE View 2 app for iOS

Download and install SKYE View 2 from the Apple APP Store. Be sure to download the correct version – only SKYE View 2 will operate this camera.

6.2.2 To Connect Device

- (1) Connect the USB-A port of the USB cable to the USB port of the USB power adapter. Plug the USB power adapter into a 110V power outlet.
- (2) Turn the work mode switch of the WiFi Digital Camera to WiFi work mode. After about 20 seconds, the WiFi indicator in the WiFi camera stops flashing and stays on.
- (3) In the Settings of the iOS device, choose WiFi Digital Camera as the WiFi network. The camera will appear as WiFi name: WiFiCamera_xxxxxx (2.4G mode) or WiFiCamera_5G_xxxxxx (5G mode).
- (4) Enter the password to connect: 12345678

6.2.3 Open Software

- (1) Ensure that the WiFi Digital Camera is secured to the microscope, and focus on the sample for observation.
- (2) Launch the SKYE View 2 app on your mobile device.

6.2.4 Start to Use

- (1) Touch the icon to observe the image.
- (2) For more detailed instructions, please refer to User Manual of SKYE View 2 app for iOS.

6.3 WiFi Work Mode - Android System

6.3.1 Install SKYE View 2 app for Android

Download and install SKYE View 2 from Google Play. Be sure to download the correct version – only SKYE View 2 will operate this camera.

6.3.2 To Connect Device

- (1) Turn the work mode switch of the WiFi Digital Camera to WiFi work mode. After about 20 seconds, the WiFi indicator in the WiFi camera stops flashing and stays on.
- (2) In the Settings of the Android device, choose WiFi Digital Camera as the WiFi network. The camera will appear as WiFi name: WiFiCamera_xxxxxx (2.4G mode) or WiFiCamera_5G_xxxxxx (5G mode).
- (3) Enter the password to connect: 12345678

6.3.3 Open Software

- (1) Ensure that the WiFi Digital Camera is secured to the microscope, and focus on the sample for observation.
- (2) Launch the SKYE View 2 app on your mobile device.

6.3.4 Start to Use

- (1) Touch the icon to observe the image.
- (2) For more detailed instructions, please refer to User Manual of SKYE View 2 app for Android.

Chapter 7 Disclaimer

1. In order to protect the legitimate rights and interests of users, please carefully read the instructions, disclaimers and safety instructions provided with this product before using it. The company reserves the right to update the above documents. Please operate the product according to the instructions and safety instructions.

2. Once you begin to use the product, you shall be deemed to have read, understood, recognized and accepted all terms and contents of the product's instructions, disclaimers and safety instructions. Users undertake to be responsible for their actions and all consequences. User undertakes to use the product only for legitimate purposes and agrees to these terms and any relevant policies or guidelines that the company may establish.

3. In the process of using this product, please strictly abide by and execute the requirements including but not limited to the instructions and safety instructions. All personal injuries, accidents, property losses, legal disputes and other adverse events that cause conflicts of interest caused by violation of the safety instructions or irresistible factors shall be borne by users themselves, and the company shall not assume any responsibility.

4. Safety instructions:

- 1) please do not use wet hands to plug and unplug the power supply of the equipment.
- 2) please be sure to use a regular brand power socket, and make sure the grounding is well grounded to prevent electric shock.
- 3) please be sure to make regular safety checks on sockets and plugs to avoid potential electrical safety hazards caused by aging and short circuit.
- 4) please be sure not to use the product in a humid or hot environment to ensure the safety of the product.
- 5) please be sure to loosen bundle cords of the power cable before using, to avoid electromagnetic induction and heating, thus increasing the heat dissipation speed.
- 6) please be sure not to use the product equipment or socket or other places in high or easy to fall, so as to avoid damage.
- 7) before opening the socket power supply, please be sure to turn off the load power switch of the product equipment.
- 8) the company reserves the rights to improve product, upgrade technology and change parameters without prior notice.