KoPa WiFi Lab App

User Manual

V1.1

Content

1. Hardware requirements

Please confirm that the smart terminal device (mobile phones/ tablets) hardware must support the 5G WiFi IEEE802.11ac protocol, otherwise it will not be able to acquire the image correctly.

2. Operating system requirements

iOS system:

The list of iOS devices supporting 5G WiFi IEEE802.11ac is as follows:

iPhone X/ 8/ 8 Plus/7/ 7 Plus/6s/6s Plus/ 6/6 Plus

iPad Pro (12.9 inches, 2nd generation) / (12.9 inches, 1st generation) / (10.5 inches) / (9.7 inches)

iPad Air 2/iPad mini 4 and other new devices that support the 5G WiFi (11ac) protocol

Requires iOS 11.0 and later version.

Android system:
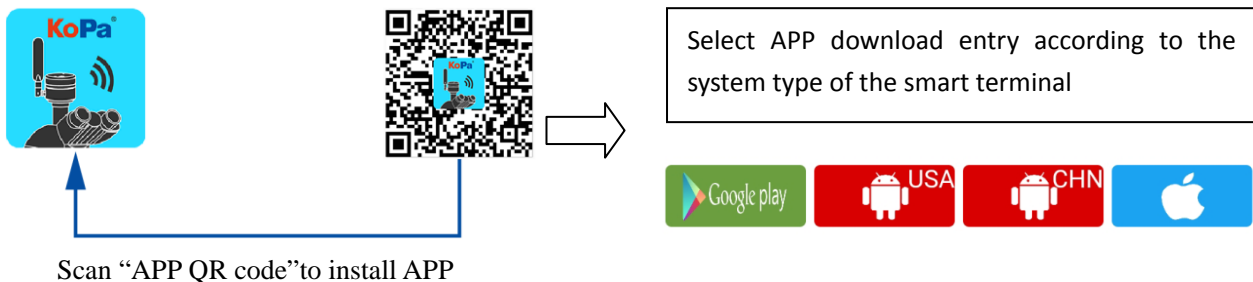
Android 5.0 and later version.

CPU: Dual core 1.7GHz and later version.

Memory RAM: 3G or more

Storage ROM: Recommended 8G or more

3. APP download and installation.

Use the smart terminal device to scan the QR code of the student camera and download and install [KoPa WiFi Lab] as prompted.

Select APP download entry according to the system type of the smart terminal

Scan "APP QR code"to install APP

After the APP download is complete, follow the prompts to allow installation and allow all authorizations.

Clicking "Not Allowed" will result in an inability to connect properly.

For Android users, if you can log in to the Google App Store, you can click one of the two buttons

 to download.

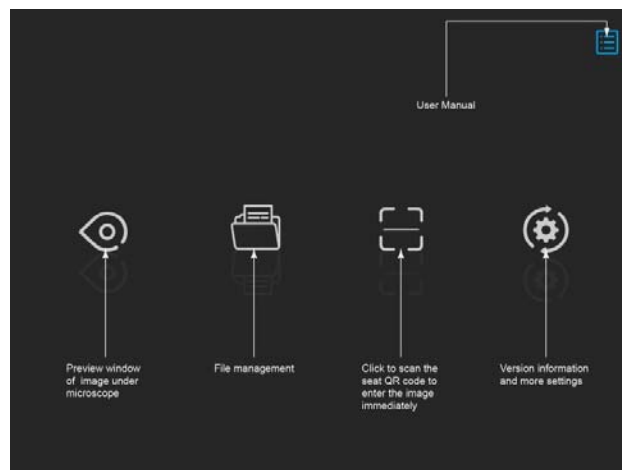For Android users in mainland China, please click the button to download

iOS system users please click the button to download

4. Connect and capture images by using the APP

After the APP is installed, the camera's serial number QR code on the camera body can be scanned using the built-in QR code scanner of the APP to directly connect and acquire images.

Scan "student seat QR code" within the APP

5. APP function introduction

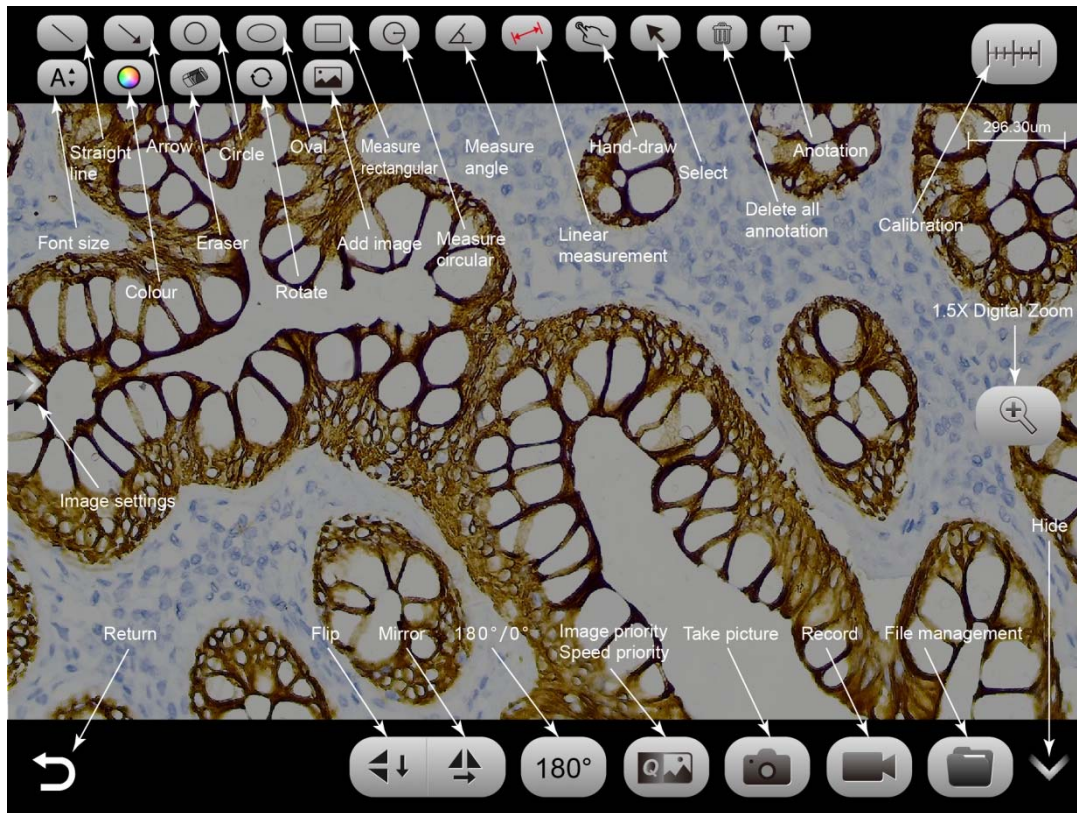|	Preview	：	Click here to enter the image preview window.
	File folder	：	View photo/video files.
	Scanning	：	Scan the camera's serial number QR code to acquire the image. To ensure preview speed, it is recommended that no more than 8 smart terminals connect to the same camera at the same time.
	Settings	：	APP settings.
	User instructions (top right corner)	：	Retrieve/hide user instructions.

6. Real-time preview window button introductions

This button toggles the preview mode to fast speed or high image quality. But the image taken is only the highest resolution by default.
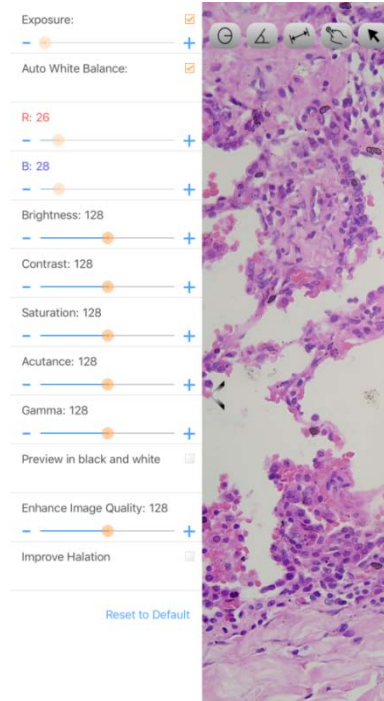
Annotation tools

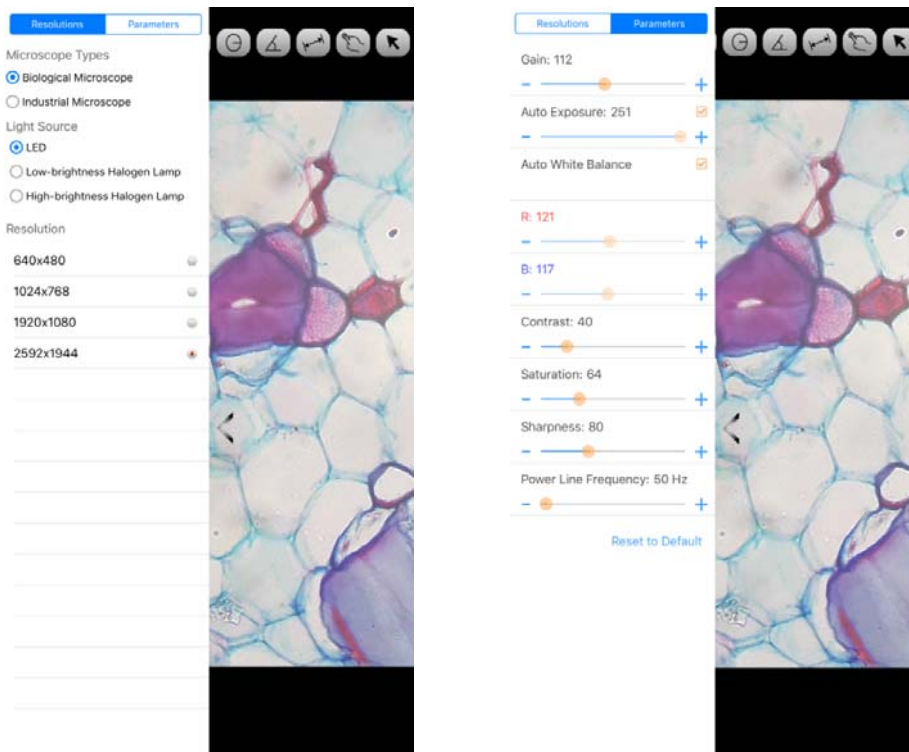Click the left arrow button in the preview window to bring up the image properties toolbar.

Image properties toolbar adapts to one of the following two modes depending on the product model.

Mode 1: Adjustable Exposure/White Balance/Brightness/Contrast/Saturation/Sharpness/Gamma/Black and White Preview (On/Off)/Overexposure Suppression/Image Enhancement/Restore Default Settings, as shown below

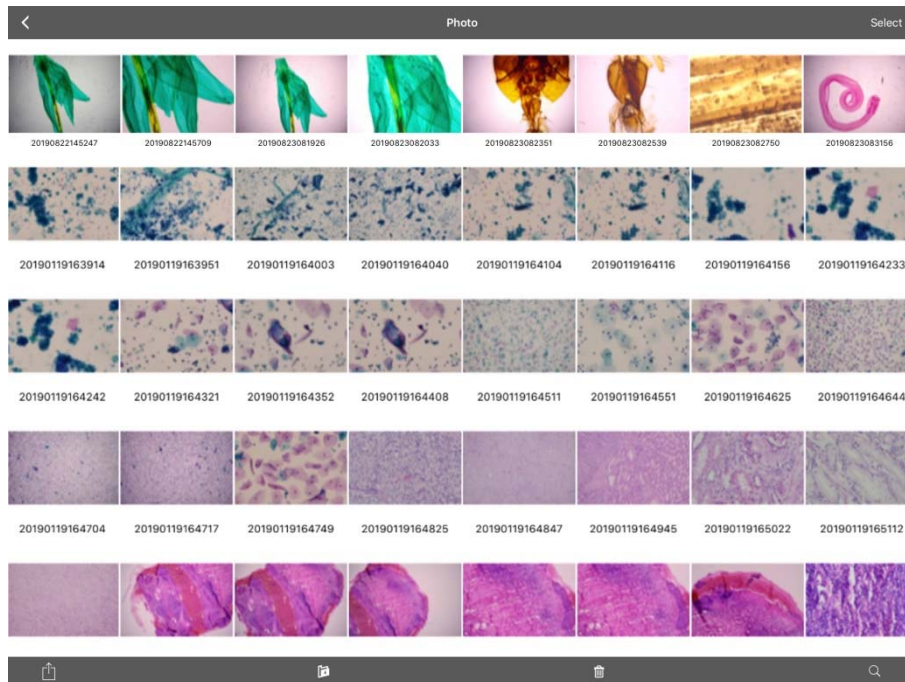Mode 2: Adjustable Microscope Type / Light Source / Resolution / Image Enhancement (Displayed at 3840×2160 resolution only) Brightness/Exposure/White Balance/Contrast/Saturation/Sharpness/Power Line/Restore Default Settings, as shown below

7. Folder management

7.1 Images management

Click on "Select" in the upper right corner to make single or multiple selections and then click on the bottom four buttons:
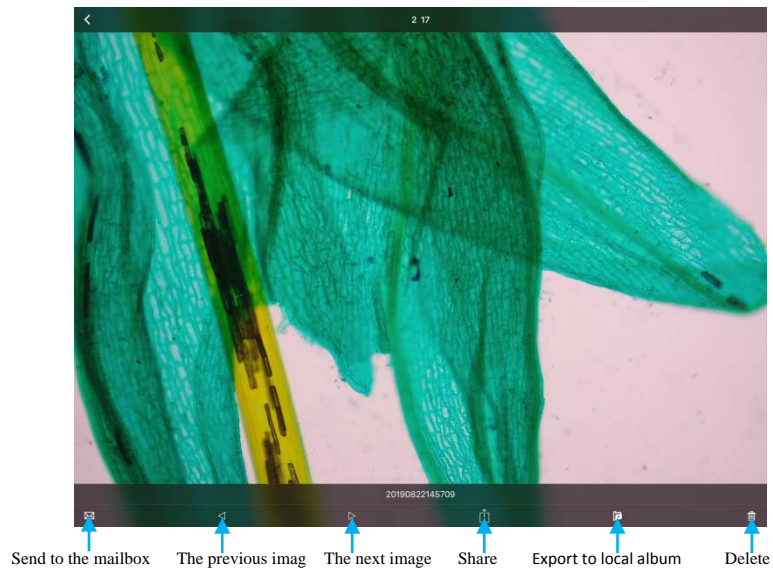- One-click export to local album

Note: Please select Allow APP to access your album by setting your smart terminal " Privacy - Photo" , otherwise it will prompt "Export fail".
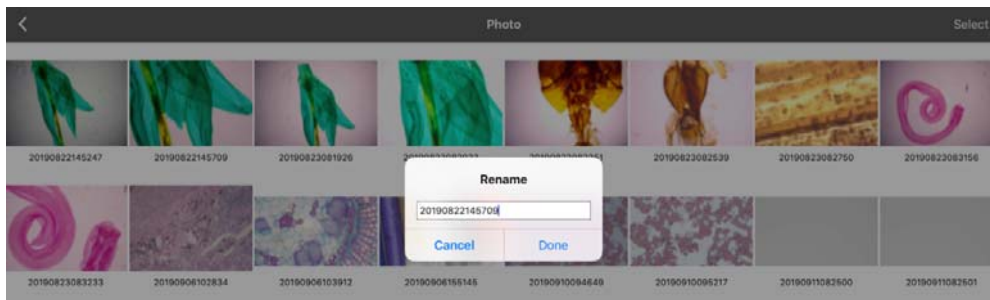- Share to social networks
- One-click delete
- Search image file by name

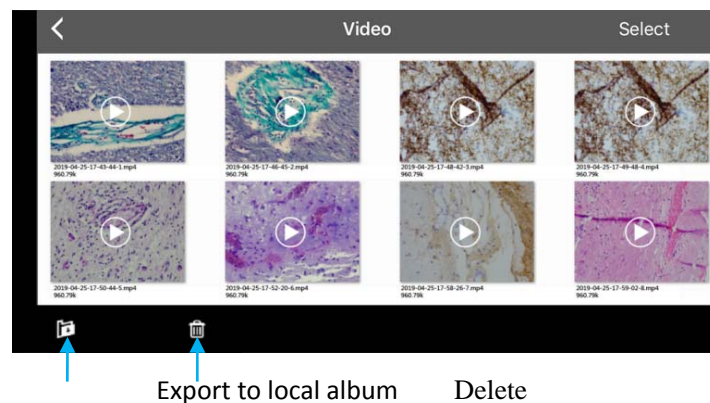Click to enter any image, the bottom button from left to right:
- send to the mailbox (the device needs to be installed in advance with the mailbox);
- the previous image;
- the next image;
- share a single image to the social network;
- export the image to the local Album;
- delete the picture

Send to the mailbox   The previous imag   The next image   Share   Export to local album   Delete

Click on the file name to rename.

7.2 Video management

Export to local album   Delete

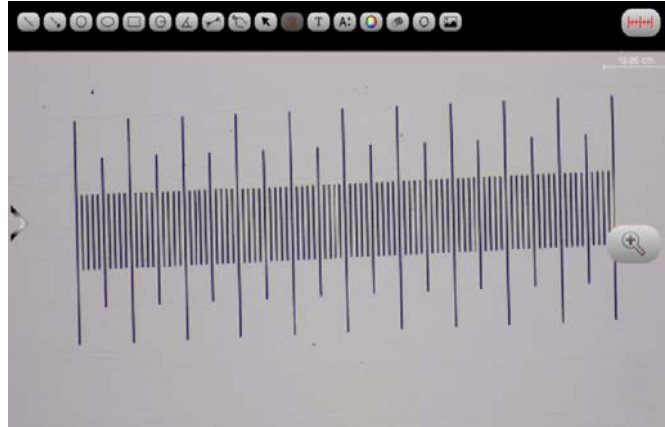Click "Select" in the top right corner and then click the button at the bottom.

- One-click export to local camera

Note: Please select Allow APP to access your album by setting your smart terminal " Privacy-Photo" otherwise it will prompt "Export fail".

- One-click delete
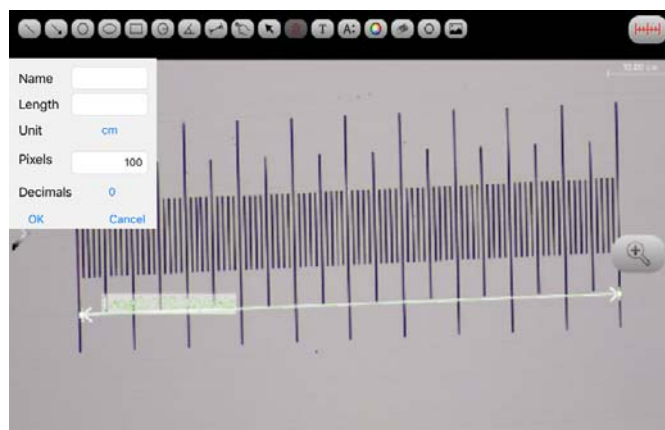
8. Use the APP for calibration and measurement

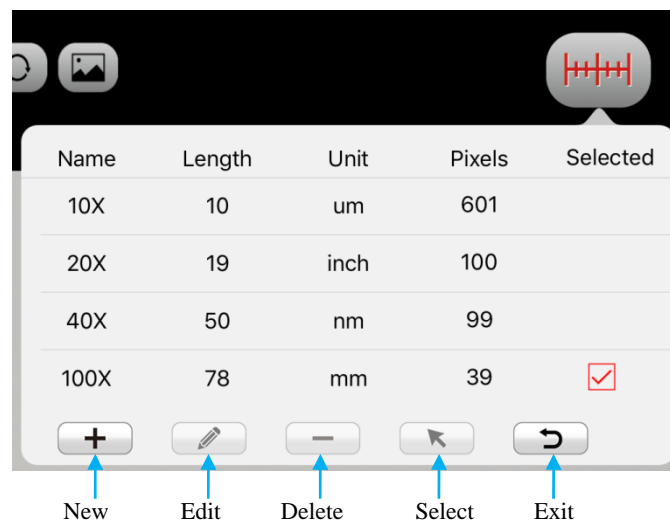Place the calibration scale within the microscope's field of view.

Click - and "add"

Enter the name, the actual length of the calibration scale, and select the unit. When you draw on the ruler, the pixels are automatically entered as shown below. Click "OK"to complete the calibration.

Select calibration value

Name	Length	Unit	Pixels	Selected
10X	10	um	601	
20X	19	inch	100	
40X	50	nm	99	
100X	78	mm	39	☑

New   Edit   Delete   Select   Exit

Then use the measurement tool at the top of the preview window to measure