KMDES WTM-W1-B USB Digital Electron Microscope User Manual

KMDES

Electron Microscope
Model: WIM-WI1-B
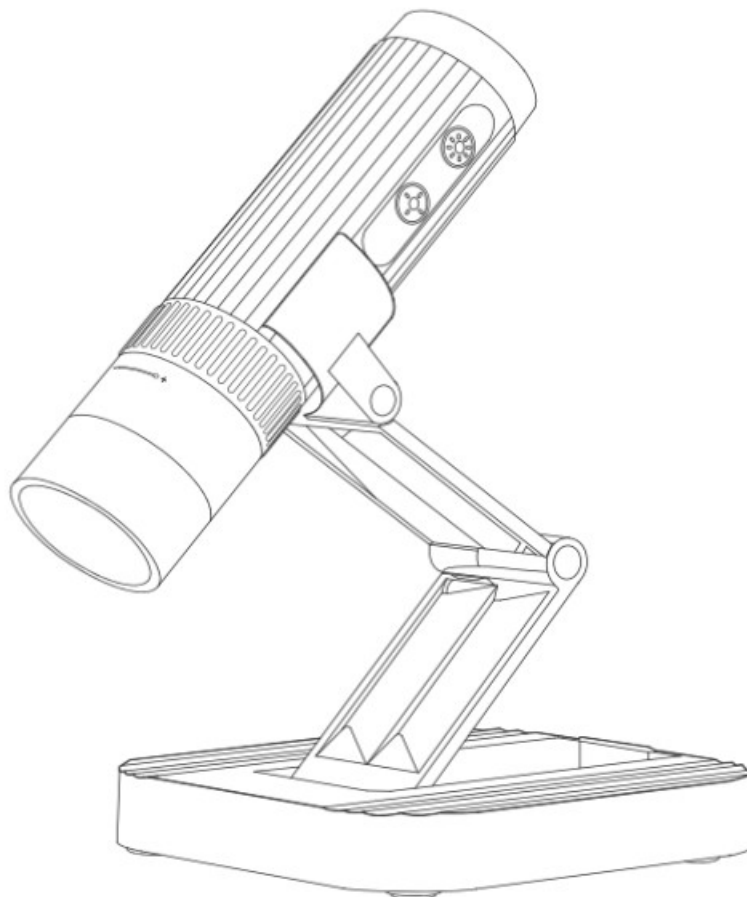
User Manual

Please read this user manual carefully and keep it for future reference.

Contents

Read Me First

- Thank you for purchasing the WIM-W1-B USB digifal microscope.
- Please read this user manual carefully and keep it for future reference.
- Pay attention to protect the lens part. Close the lens lid after Using to avoid entering dust or strange objects.
- The microscope can be used in hand or inserted as a desktop, with attention to avoid damage to the components.
- When placing items, place them directly below the center of the lens as much as possible. Avoid not seeing objects clearly and bringing about a bad experience.
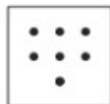
Packing List

Microscope   Base   Type-C Date Cable

User Manual   Calibration Card   Type-C Adapter

Parts Description

- Before using the microscope, make sure your hands are secured, or use if on fhedesktop.

Monomer Microscope

The core components were observed by microscope

Focus Wheel

Multiple Regulation microscopy optical focus modulation

Lens Cap

Dust-proof, protect lens

Power Button

Turn on /off Button

Photo Button

Take a Photo and Save the Captured Screen

Fill Light Bright Button

Lens Barrel Fill Light brighten

Fill Light Dim Button

Lens Barrel Fill Light Dimming

Type-C Interface

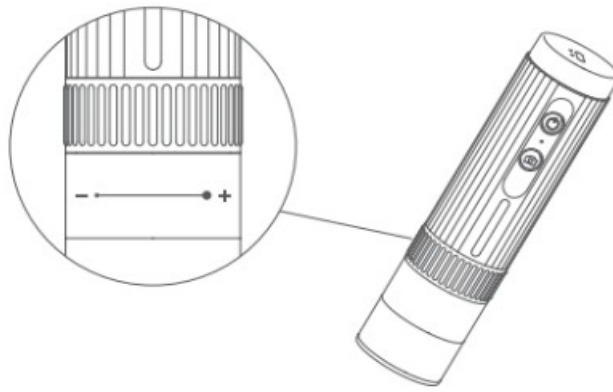Connect the computer for use

Indicator Light②

Open the computer/ mobile phone software, after the connection is successful, the indicator light② is steady on

Indicator Light①

Connect the microscope to the computer / mobile phone, turn on the microscope, and the indicator light① is steady on

Detailed Operation

How to zoom in and focus?

↺ Counter-Clockwise Rotation: multiple magnification

↻ Clockwise Rotation: multiple reduction

(Note: At the same distance, the rotating zoom cylinder has two magnification. To adjust more multiples, it can be adjusted up and down through the microscope base bracket.)

Work with cell phone

Download the App
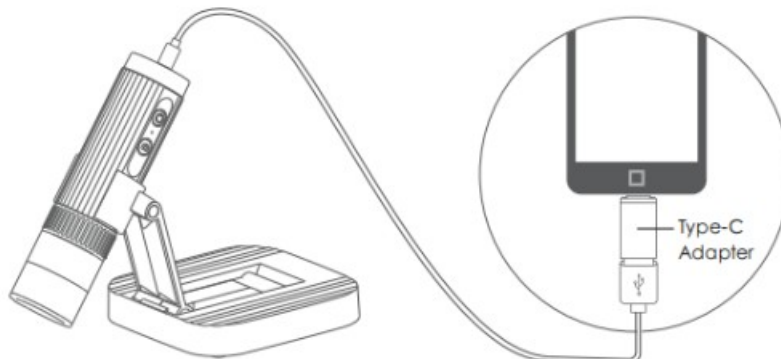• Download the App "UniLab" (Only Android OS is supported) Scan the QR code, click download and install.
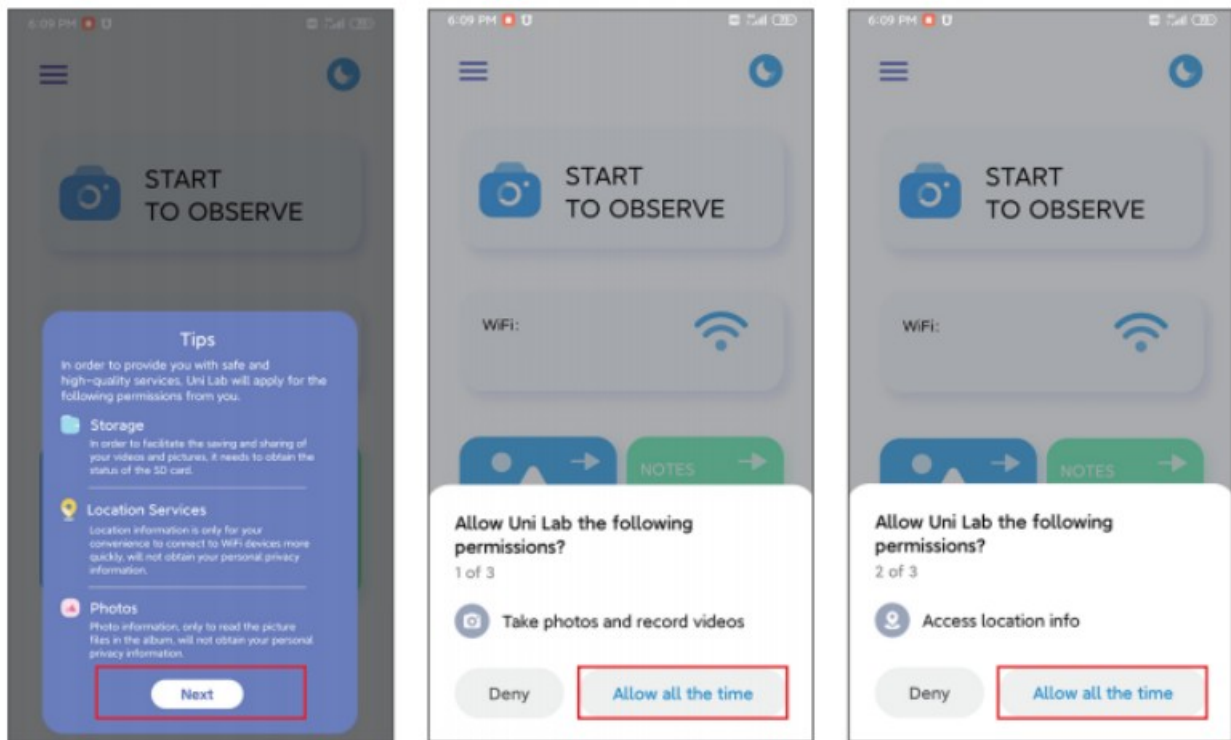

Software to download the QR code
https://qr09.cn/Am38fQ

APP Icon

Operating steps
• Step 1 Connect the data cable to the mobile phone interface through Type-C adapter.
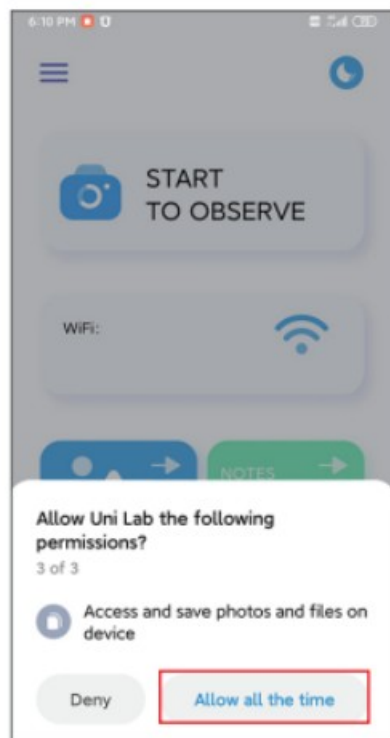

Type-C Adapter

• **Step 2** Long press the microscope power button, open the mobile software "Uni Lab", and click "Start to observation" to see the image.
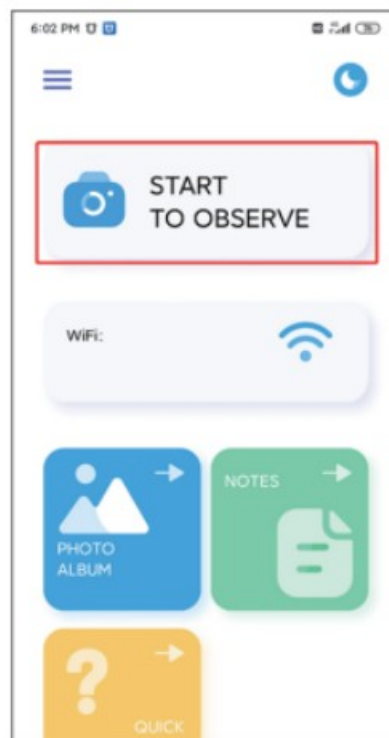
① ② ③

④ ⑤

Introduction of the APP

• APP Homepage

* Because of the mobile phone model version is different, the pictures are for reference only

Photo: Select a photo mode
Video: Select the recording mode
Zoom in: Click to zZoomin on the screen (use when the screen is too small)
Zoom Out: Click to zoom out the screen (used when the screen is too large, the default is the smallest each time it is opened)

Work with Windows

- **Software download**

* The device camera button cannot be used, if can only be realized through software Photo recording function

(1) For Windows 8, Windows 10 or higher system, search "UniLab"(as shown in " ") in the Microsoft Store to download it.
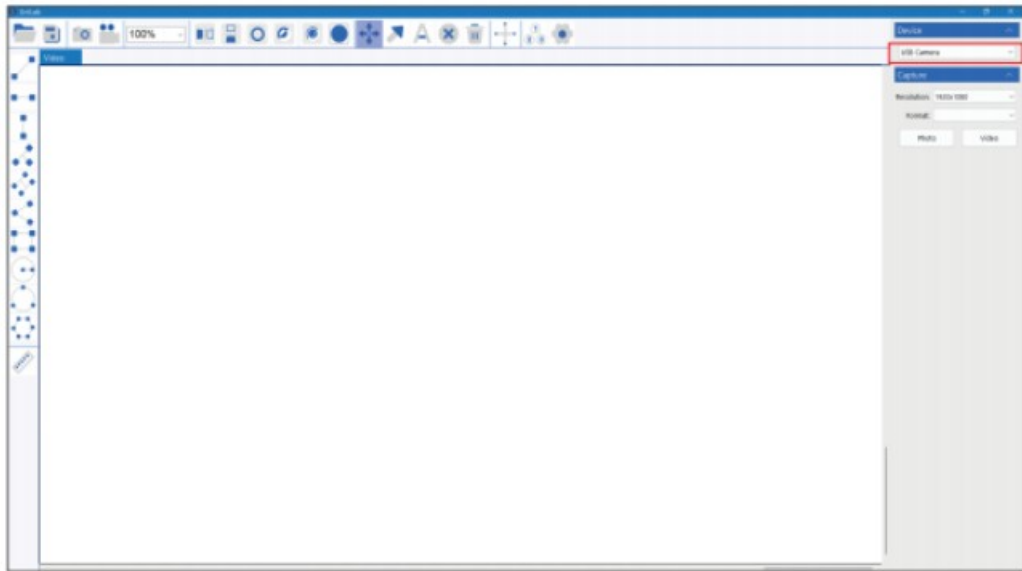(2) For Windows 7 and Windows 8, download the software from the website: **http://www.weetool.net**

Operating steps

- **Step 1** With the microscope turned off, connect the microscope to the computer using a data cable.
- **Step 2** Turn on the microscope, run the software, select the corresponding device name, you can see the image on the computer, and take photos and videos through the software.

Work with Mac/iMac

* Tne device camera button cannot be used, if can only be realized through software Photo recording function

Software download

- For Mac OS x 10.5 or higher system, use the default soffware "Photo Booth"(as shown in" ")

Operating steps

- **Step 1** With the microscope turned off, connect the microscope to the computer using a data cable.
- **Step 2** Turn on the microscope, run Photo Booth, you can see the image on the computer, and take photos and videos through Photo Booth
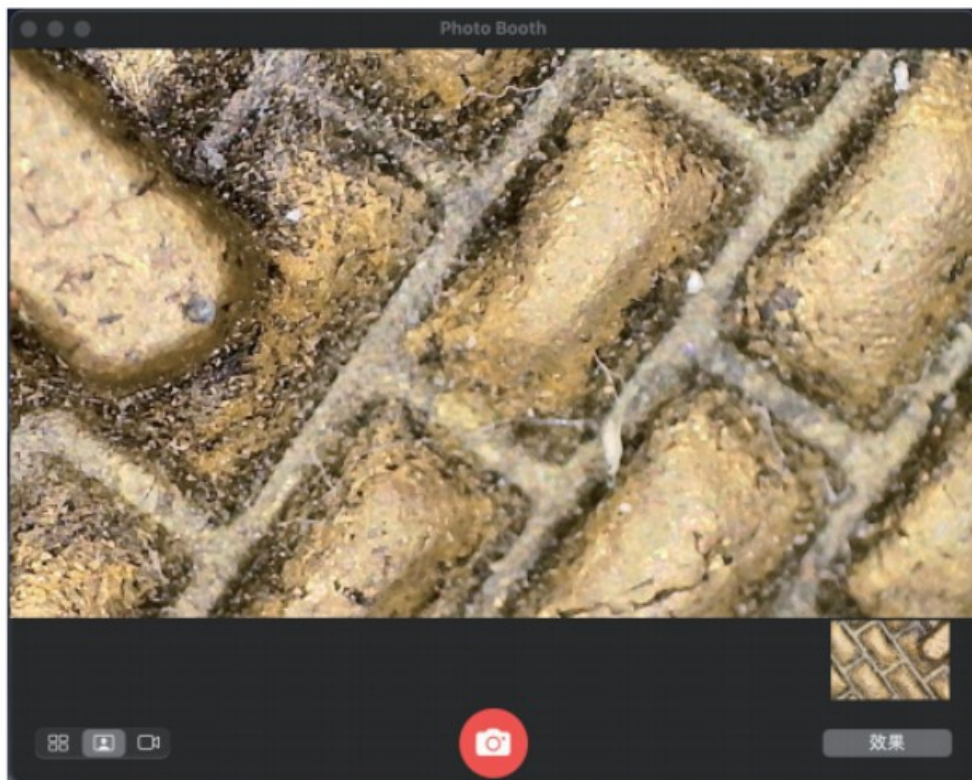
Product Parameters

Project	Parameter
Picture Format	JPG
Picture Size	1920*1080
LED Quantity	8 SMD 3528 bright white lights (brightness adjustable)
Focus Mode and Focus Range	Manual adjustment, 0 to 40 mm
Imaging Distance	3mm to Infinity
Sensor Size	1/4″
Noise-signal Ratio	37db
Sensitivity	4300mV/lux-sec
Video Recording Format	AVI
Video Resolution	1920*1080
Working Range	0-10m (Open scene, Sheltered scene will affect working range)
Working Current	~260mA

Troubleshoot the Microscope

Problem Phenomenon	Cause	Processing Method
The device heats up during charging	During the charging process, the current is large and the battery heat is high, which is a normal phenomenon	The normal state
The APP is disconnected	(1) The distance is too far (2) The device is powered off (3) Equipment failure	(1) Close distance repeat connection (2) Charge the device and use it (3) Close the APP and restart the device before use
The lens shows blurred images	The ambient temperature changes rapidly, causing the lens to fog	Wait for the tempera-ture balance, a period of time after the fog disappeared to use
The product can not be shut down or the key failure	System halted	Please plug in the power supply to reset and restart

(Note: itis normal for the APP to exit after being plugged in.)

Documents / Resources

KMDES WTM-W1-B USB Digital Electron Microscope [pdf] User Manual
B0BZRTCT8V, B0BVZ77TJ7, B0BVW2F1TJ, WTM-W1-B, WTM-W1-B USB Digital Electron Microscope, USB Digital Electron Microscope, Digital Electron Microscope, Electron Microscope, Microscope