



Koolertron

5.5" DIGITAL MICROSCOPE USER MANUAL



• 1 •

CUSTOMER SUPPORT

Koolertron is dedicated to offer the best service. To reach koolertron customer support. Please email: service@koolertron.com
Business@koolertron.com

VIP CLUB

Dear customer:

Thanks for buying koolertron brand products.

ALL koolertron products offers one year warranty.

If you have any problem with our products, please contact us by the following way

E-mail: service@koolertron.com

Business@koolertron.com

If you are satisfied with koolertron products and you are willing share koolertron products to your Facebook, YouTube, Twitter etc. you will have the chance to be our VIP.

What's the welfare for our VIP?

1. Extended Warranty : The warranty of koolertron products will be extended by 180 days for VIP.

2. Priority Trial Qualification: Priority trial qualification for you when new products come out.

FOREWORD

Dear customer, thank you for purchasing Koolertron 4.3" digital microscope. Please read this manual before using the microscope.

- The microscope should not be exposed to extreme temperatures. It is not waterproof. Users can refer to the preservation management methods of general electronic equipment, such as laptops.
- Do not damage or pull the cable or put heavy objects on it. It may cause fire or electric shock.
- When plugging/unplugging the cable, be sure to hold the plug. Pulling the cord may cause fire, electric shock, or malfunction.
- Do not touch it with water or touch with wet hands. It may cause fire, electric shock, or malfunction.
- When the product is damaged, stop using it immediately and do not touch the internal parts. If it is used as it is, it may cause injury or electric shock.
- Do not drop it from a high place, do not give a strong impact such as throwing.

• 2 •

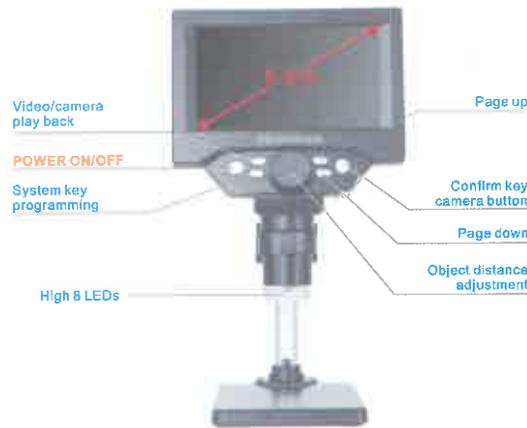
- Do not stick solvents or chemicals such as benzene, thinner, or alcohol. It may cause alteration or deterioration of the exterior.

PACKING LIST

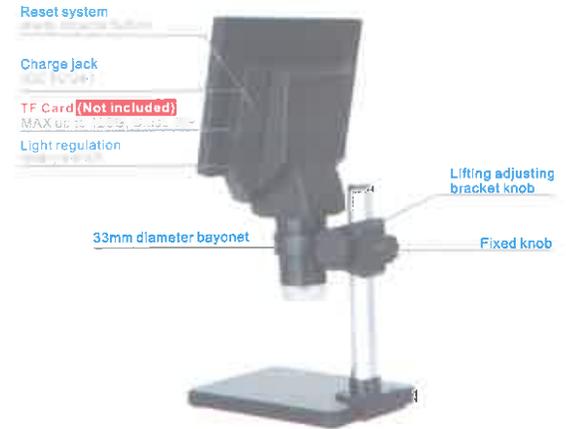
- Digital microscope monitor *1 Plastic bracket rod *1
 Plastic plate *1 USB cable *1 User manual *1

BASIC PARAMETERS

Brand	KOOLERTRON
Display Screen	5.5 inch HD LCD display
Image Sensor	10 Million Pixels HD Sensor
Magnification Ratio	Up to 1000 times digital magnification
Focus Distance	≥ 10mm
Photo Resolution	MAX 10M
Storage	Micro-SD card, up to 128GB
PC Support	Yes
Package Size	245*175*85mm / 9.6*6.9*3.3in
Package Weight	580g / 1.3lb



3



INSTALLATION

- Take out the bracket bottom plate.
- Align the vertical rod of the bracket with the holes on the bottom plate, pull it back, and hear a click, bracket installation completed
- Mount the microscope on the bracket
- Press power button to turn on the microscope
- Turn the knobs on both sides of the bracket clockwise to increase the height of the microscope, and counterclockwise to decrease the height
- Rotate the knob under the microscope screen to adjust the focal length of the lens to provide a clear image. Rotate an LED lights knob on the side of the back of the screen to adjust the brightness of the fill light at the lens

OPERATION INSTRUCTIONS

1. Buttons Functions:

BUTTONS	FUNCTIONS
	Press 2s to Turn ON/OFF
	Operating Menu Settings / Exit
	Switch Mode (Video Recode, Picture Capture, Playback)
	Move Up
	Move Down
	Confirm

4

2. Operating Menu Settings Details:

Main parameters:

1. Pixels: 10.0 million pixels HD
2. Display screen: 5.5-inch high-definition LCD display.
3. Magnification: 1-1000 times continuous amplification system.
4. Video can be saved to flash memory card (please use the card class 10 speed)
5. Object distance: 10 mm to infinity (different object distances correspond to different multiples)
6. Built in super lithium battery, it can work continuously for 4-6 hours.
7. Sixteen language systems: English, Spanish, Russian, Korean, Japanese, Thai, Hebrew, Portugal, German, French, Italy, Turkey, Czech, Poland, traditional Chinese and simplified Chinese.

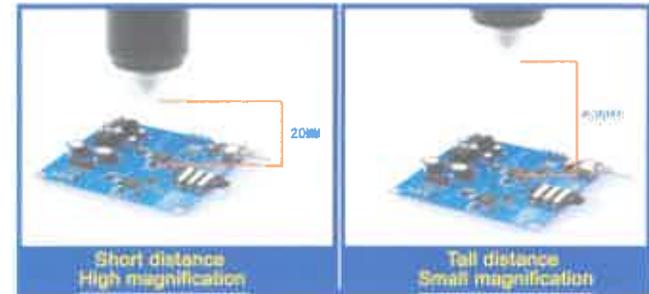
It is suitable for a wide range of industries:

- A. QC inspection of various types of factories
- B. Teaching aids for various subjects
- C. Observation on skin and hair in beauty industry
- D. The cultivation of children's interests and hobbies
- E. Identification of jewelry and diamonds
- F. PCB, precision hardware, biology, minerals, printing, cloth, antique.

Machine operation details:

Resolution setting: HD. FHD
Picture quality: 1M . 2M. 3M. 5M. 6M. 8M. 10M. 12M
White balance: automatic, sunlight, cloudy, tungsten filament lamp, fluorescent lamp
Exposure compensation: 3+ 2+ 1+ 0 -1 -2
Time mark: on / off
Time setting: year, month and day
Automatic shutdown: off, 3 minutes, 5 minutes, 10 minutes
AC frequency: 50HZ \60HZ
Automatic screen off: off, 3 minutes, 5 minutes, 10 minutes
Format: OK, cancel
System reset: YES/NO
Software version number: 20200905

1. Power supply DC 5V interface Micro USB 5V .
2. REST Key, system restore button. (if the machine fails to operate, press the button in this hole with a needle like sharp object to restart the machine.)
3. Flash card socket(MicroSD) support for 1-128GB(class 10).
4. Stepless light brightness regulator.
5. Adjustable angle bracket bayonet, accept objects with diameter of 33mm.
6. The upper and lower adjusting knobs of the bracket, cooperate with the focusing knob of the host machine to realize continuous amplification.
7. To fix the clip on the bracket, please rotate it by 90 degrees.



3. Windows system software

Download and install the software from the link below:

<https://product-manual.s3.us-east-1.amazonaws.com/Amcap2a.rar>
Insert the USB data cable into the computer USB interface, connect and turn on the device. Select PC Camera mode, open the software "AMCAP2a", the specific parameter selection is shown in the figure below.(Refer to the picture content for specific parameter settings.)



4. MAC system

Find an application named “Photo Booth” in the “Application” directory of the Finder window.

Insert the USB data cable into the USB interface of the computer, connect and turn on the device, select Camera mode.

Open the software “Photo Booth” and switch the camera to “USB CAMERA”, as shown below



5. Charging mode

The device enters the charging state, and the device can be operated normally when needed.

WARRANTY TERMS

The warranty period for this product is one year from the date of purchase.

1. Only within the warranty period of one year from the date of purchase, only when a malfunction has occurred in accordance with the instruction manual and other precautionary instructions, let us provide free repair or exchange service based on the provisions of this document. If you provide an alternative item by repair or replacement, the product you sent will be owned by our company unless there is a special offer.

2. Even within the warranty period, it will be repaired for a fee in the following cases.

2.1 When not used according to the instruction manual or other notes.

2.2 Breakdown or damage caused by unauthorized repair or remodeling made without our permission.

2.3 Breakdown or breakage due to movement, falling, moving, transportation after purchase.

2.4 Failure or damage due to fire, earthquake, wind and flood damage, and other natural disaster lands.

2.5 If you are not the person you purchased (assignment etc.)

3. We are not responsible for any incidental damage caused by the use or failure of this product (the cost required to use this product) or any request from a third party.

4. If you do not know the repair after the warranty period has elapsed, please contact the dealer you purchased or customer support.