

KOOLERTRON 7" DIGITAL MICROSCOPE USER MANUAL



FOREWORD

Dear customer, thank you for purchasing Koolertron 7" digital microscope. Please read this manual before using the microscope

- The assembly includes small parts, particularly the thumbscrews used to hold the main device in place. Do NOT allow unsupervised access by infants or toddlers.
- 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.
- Do not stick solvents or chemicals such as benzene, thinner, or alcohol. It may cause alteration or deterioration of the exterior

PACKAGE LIST

- Digital microscope monitor *1
- Metal plate *1
- Metal bracket rod *1
- USB cable *1
- Micro-SD card *1 (Optional)
- User manual *1

BASIC PARAMETERS

Brand	KOOLERTRON
Display Screen	7 inch HD LCD display
Image Sensor	12 Mega Pixels HD Sensor
Magnification Ratio	Up to 1200 times digital magnification
Focus Distance	≥10mm
Photo Resolution	MAX 12M (4032*3024)
Video Output	1080 FHD, 720P
Storage	Micro-SD card, up to 32GB
PC Support	NO
Package Size	205*160*80mm / 8.1*6.3*3.1in
Package Weight	1200g / 2.6lb



1. Display
2. Mode & Menu
3. Distance controller
4. Lens
5. Angle control

6. USB
7. T-Flash Micro SD
8. LED lights
9. RESET
10. Objective table

INSTALLATION

1. Take out the bracket bottom plate.
2. Align the vertical rod of the bracket with the screw holes on the bottom plate, fix the bottom plate, then turn the vertical rod clockwise until it is tight. Make fine adjustments to the screw knob at the bottom of the vertical rod to ensure that the vertical rod can be installed in the correct position. The bracket rod can adjust the angle back and forth.
3. Mount the microscope on the bracket and adjust the screws to fix the microscope.
4. Press power button to turn on the microscope.
5. Turn the knobs on both sides of the bracket clockwise to increase the height of the microscope, and counterclockwise to decrease the height.
6. 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

2. Operating Menu Settings Details:

2.1 Under Operating Menu Settings, users can set multiple functions such as:

- LCD Brightness: Off/30s/1min/2min
- Auto Power Off Time: Off/3min/5min/10min
- Frequency: 50Hz/60Hz

- Language: Multilingual
- Date & Time
- Format the Micro-SD Card
- Restore Factory

2.2 If users enter the “Operating Menu Settings” in “Video Recode” mode, users can set multiple functions such as:

- Resolution: 1080FHD, 720P, VGA
- Cyclic Record: Off/3min/5min/10min
- High Dynamic Range: Off/On
- Exposure: +3, +2, +1, 0, -1, -2, -3
- Date stamp: Off/On

2.3 If users enter the “Operating Menu Settings” in “Picture Capture” mode, users can set multiple functions such as:

- Capture Delay: 0/2s/5s/10 delay
- Resolution: 1.3M 1280*960, 2M 1920*1080, 3M 2048*1536, 5M 2592*1944, 8M 3264*2448, 10M 3648*2736, 12M 4032*3024
- Continuous Shooting: Off/On
- Quality: Fine/Normal/Economy
- Sharpness: Strong/Normal/Soft
- Color: Normal/Black&White/Sepia
- ISO: Auto/100/200/400
- Exposure: +3, +2, +1, 0, -1, -2, -3
- Anti-shaking: Off/On
- Date Stamp: Off/On

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.

Customer support e-mail: service@koolertron.com

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