



## KOPPACE 2.1X-180X Trinocular Electron Microscope 40MP HDMI Mobile Phone Repair Microscope With Zoom lock Function

KP-N45TR-2100

Optical Enlargement:2.1X-180X  
 Eyepiece:High eyespots wide-field eyepiece WF10X/20,WF20X/10  
 Zoom Objective:0.7X-4.5X  
 Working Distance:30mm-287mm  
 Auxiliary lens:0.3X/287mm,0.5X/165mm,2X/30mm,1X oil proof mirror

### • Description

Model	KP-N45TR-2100
Optical Enlargement	2.1X-180X
Eyepiece	High eyespots wide-field eyepiece WF10X/20,WF20X/10
Zoom Objective	0.7X-4.5X
Viewing Head	Trinocular stereomicroscope view head inclined at 45°. The pupil distance adjusting range 54mm-76mm,with magnification locking function
Working Distance	30mm-287mm
Auxiliary lens	0.3X/287mm,0.5X/165mm,2X/30mm,1X oil proof mirror
Focusing bracket	Focusing handwheel tightness is adjustable, lifting range 50 mm
Dual arm bracket	Lifting range:275mm, base column 210*260*51mm,lens diameter 32mm, lens aperture 76mm,vertical height 380mm,horizontal movement 235mm
LED lighth source	LED Qty 144,Internal diameter size 64mm,Diameter size 94mm, Input voltage AC90—240V,Maximum output power 4.5W,Voltage 12V0.5A
Camera eyepiece interface	Dedicated interface 0.5X CTV
Sensor	40 million pixels CMOS Sensor
Optical format	1/2.33 inch
Pixel size	1.335μm×1.335μm
Interface	HDMI(Type A),USB(Type B),TF Card
Image resolution	8432*4744 (for TF Card), 1920x1080(for TF Card),

Video record resolution	2K@30FPS,1080p@60FPS
HDMI Resolution	1920*1080p 60FPS
HDMI proportion	Support 4:3, 16:9, 16:10 screen
USB2.0(Drive free)	1920*1080@30 1280*720@30 640*480@30
TF card	MAX 64GB
Exposure	Automatic/manual exposure can be set to set the exposure value
Sharpness	1-24 manual adjustment
Saturation	1-24 manual adjustment
Contrast	1-24 manual adjustment
Playback	Support picture playback
Cross line	8 lines.Can set color and width and position
Zoom mark line	2 lines.
Dotted line	2 lines.Can set color and width and position
Black and white	Support
Negative film	Support
Flicker	50HZ,60HZ
Horizontal mirroring	manual adjustment
Vertical mirroring	manual adjustment
Language	English/Simplified Chinese
Digital zoom	Support 7X
playback	Pictures and videos
Voltage in	DC 12V (5-19V)
Power consumption	MAX 0.15W (12V,0.12A)
Lens interface	C/CS

**Packing List :**

- 1、Eyepiece WF10X/20 one pair
- 2、Eyepiece WF20X/10 one pair
- 3、Focus rack \*1
- 4、Eye guards one pair
- 5、0.7X-4.5X Trinocular Zoom lens \*1(with magnification locking function)
- 6、LED ring light \*1
- 7、Pillar stand and Base Plate \*1
- 8、Dust cover \*1
- 9、0.3X Auxiliary lens \*1
- 10、0.5X Auxiliary lens \*1

- 11、 2X Auxiliary lens \*1
- 12、 1X oil proof mirror \*1
- 13、 Dual arm bracket \*1
- 14、 40 mp microscope camera \*1
- 15、 HDMI high definition line\*1
- 16、 USB data line \*1
- 17、 The camera power adapter \*1
- 18、 CD drive\*1
- 19、 Remote control \*1
- 20、 Dedicated interface 0.5X CTV \*1

**Note:**

- 1)Simultaneous Observation Through Both the Eyepieces and the Trinocular Port. Not need to switch,Simultaneous imaging.
- 2)This product is mainly HDMI output,USB connected computer can only display images,can not adjust parameters;remote control can not be used when connecting computer;using remote control to adjust parameters needs to be in HDMI connected monitor state.