



Opto - Edu Digital Comparison Microscope A18.4902 With Sony Imx274 Coms Sensor

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A18.4902
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month

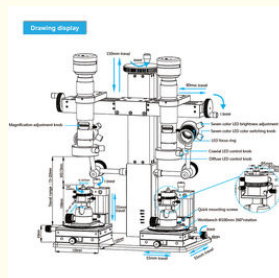


Product Specification

- Applications: Student|school|Laboratory|Research
- Certification: CE|Rohs
- Image Sensor: SONY IMX274 COMS Sensor
- Illumination: LED
- Maximum Resolution: 3840 X 2160 (8,294,400 Pixels)
- Theory: Comparison Microscope
- Highlight: **bullet comparison microscope, binocular optical microscope**



More Images



Product Description

- 1.Super Wide Dynamic, Super Low Intensity Of Illumination
- 2.Pixels Comparison Output Comparison Results Automatically
- 3.Overlap, Cut, Full Field Of View, Transparency Settings
- 4.Multiple Windows To Preview Dynamic And Static Images
- 5.Dual Lens 8.0MP+8.0MP Preview And Snapshot
- 6.7 Colors Illuminations To Display More Details
- 7.X/Y/Z/R Axis Fine Tuning Workbench
- 8.Extra-hard Wear-resistant Aluminum Alloy Housing
- 9.Dedicated Measurement Software

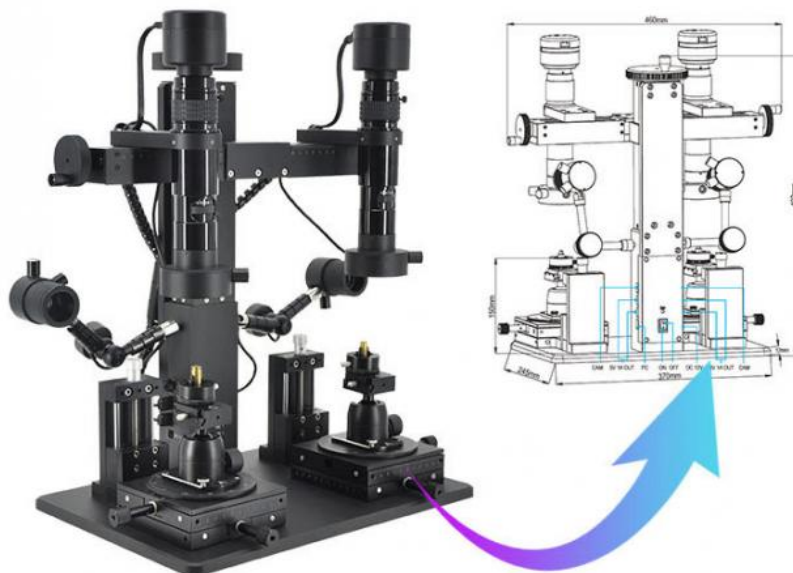


PRODUCT DESCRIPTION

A18.4902 Digital Forensic Comparison Microscope Specification

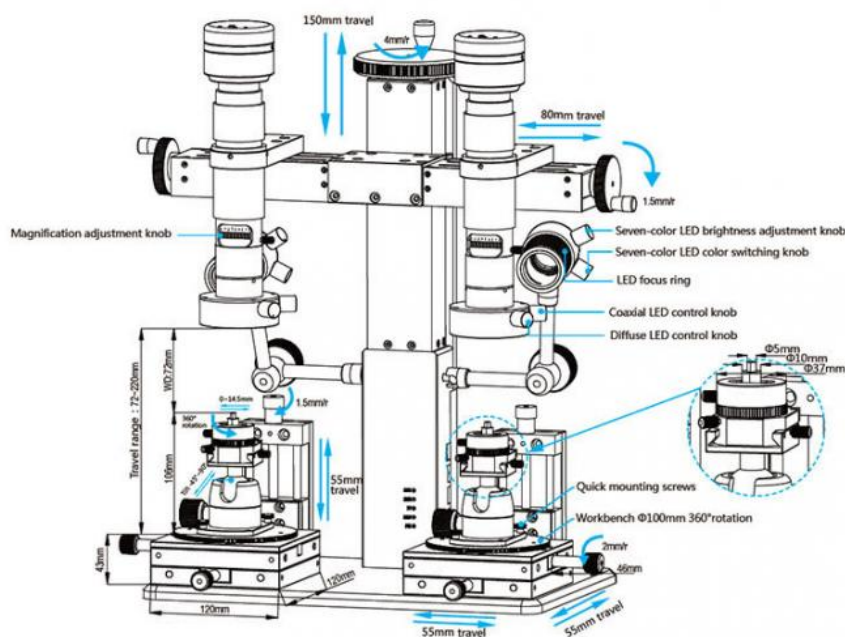
Hardware configuration	
Image Sensor	SONY IMX274 COMS Sensor
Expose Mode	Rolling Shutter .
Maximum Resolution	3840 x 2160 (8,294,400 pixels)
Sensor Optical Format	1/2.5"
Pixel Size	1.62μm x 1.62μm
Dynamic Range	>80dB
SNRmax	≥50dB
Spectral Characteristics	380-650nm
Exposure Capability	Real-time Auto, Single Auto, Manual Adjustment
White Balance	Real-time Auto, Single Auto, Manual Adjust R G B Separately
Record Format	Snapshot Picture Format: JPG Resolution: 3840x2160 Record Video Format: MOV Resolution: 3840X2160@25FPS,2592X1944@25FPS,2048x1536@25FPS
Optical Parameters	
Optical Magnification Of Lines	0.83x~10x
Optical Resolution Of Lines(um)	5um
Working Distance(mm)	72mm

Observation Range(mm)	0.65x0.36~8.2x4.6mm
Comprehensive Magnification	Full Screen Display On A 21-inch 16:9 Minitor:57x~715x
	Full Screen Display On A 17-inch 16:9 Minitor:46x~578x
Working Stage	Square Manual Working Stage 120*120*43mm, Moving Range 55*55*55mm
	Joint Left/Right Moving Range 80mm, Joint Up/Down Range 150mm
	Clamp Working Stage Dia.100mm, 360° Rotatable
	Round Titable Working Stage Moving Range 0-14.5mm, 45°-90° Inclined, 360° Rotatable



- 01 This model is an ideal instrument for police stations.
- 02 Procuratorial organs and courthouses to identify finger prints, shot marks, tool traces, seals and writings.
- 03 For colleges and universities to use for educational purposes.
- 04 It is also suitable for banks, archeological studies, electronics researches, biological science and agriculture, etc.

Technical Parameters:



Ring LEDs(Coaxial & Diffuse LED) Parameters	
Power	<3W
Input Voltage	DC 5V
Dimming Method	0-100% Linear Adjustment
Centric Brightness	Coaxial: $\geq 12000\text{LX}$ (Height 100mm) Diffuse Reflection: $\geq 42000\text{LX}$ (Height 100mm)
Number Of LEDs	Coaxial Light: 13 Small Angle Highlighting Lamp Beads Diffuse Light: 40 Bright White LEDs
Color Temperature	5000K~5500K
Adjustment Method	Separate Control (Independently Controlled By One Knob For One Kind Of Light)
Seven-color LED Parameters	
Power	<3W
Input Voltage	DC 5V

Dimming Method	0-100% Linear Adjustment
Comprehensive Magnification	Red: 610um
	Yellow: 600um
	Warm White: 586um
	Green: 528um
	White: 494um
	Purple: 458um
	Blue: 470um
Adjustment Method	Brightness And Light Switching Are Controlled By Different Knobs
Software Environment	
Windows System Demand	Microsoft ® Windows ® XP / 7 / 8 / 8.1/10(32 & 64 bit)
	CPU: Dual-core 3.0 GHz Or More CPU
	Memory: 4G Or More
	Network:10/100/1000Mbps Compatitable Interface
	At Least 10 GB Available Hard Disk Space
Operating Environment	
Operating Temperature	0°C~ 40°C
Storage Temperature	-20°C~ 60°C
Operating Humidity	30~60%RH
Storage Humidity	10~80%RH

MORE CHOICES





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