



Motorized Digital Forensic Comparison Microscope with 80~240V Wide Range Voltage High Resolution CCD Camera and Motorized Control

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A18.1829
- 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



A56.1821 150W Cold Light Source With Optical Fiber & Light Collector(Optional)

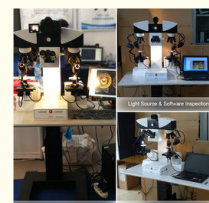
Product Specification

- Applications: Laboratory|Research
- Certification: CE|Rohs
- Drawtube: Binocular
- Illumination: LED
- Magnification: 2x~240x
- Theory: Comparison Microscope
- Highlight: **bullet comparison microscope, binocular optical microscope**



Magnification Correction System, With Connecting Lens

More Images



Product Description

Motorized Digital Forensic Comparison Microscope OPTO-EDU A18.1829 Binocular

The A18.1829 Motorized digital comparison microscope, developed in 2013, is designed for forensic science laboratory research. It enables comparison of bullets, cartridge cases, cutting objects, paper documents, and more. Featuring both manual and computer software control, this microscope includes a high-resolution digital color camera for real-time image and video output to a computer. When used with professional crime image analysis software, it becomes an essential tool for forensic research.

Key Features

- **Total Magnification:** 2x~240x
- **Eyeieces:** WF10x/22mm, WF20x/12mm, High Eyepoint
- **Nosepiece:** 6 Holes Click Stop
- **Objectives:** LWD Infinity Plan Achromatic 0.5x, 1x, 1.5x, 2x, 4x, 6x
- **Included Auxiliary Lenses:** 0.4x and 2.0x
- Motorized/Manual control for full left/right, split-image, or overlapping image comparison
- Motorized/Manual control for X/Y/Z 3D stage movement
- Motorized/Manual control for round stage rotation (clockwise/counterclockwise)

- Magnification Correcting System with Correcting Lens
- Separation Line Adjusting System with special metal adjust driver
- Dual illumination: 12V50W fan-cooled halogen light and 5W LED cold light (both adjustable)
- Touch panel switch for separate or combined light source control
- Comprehensive light source accessories including coaxial, polarizing, UV light, and color filters
- Built-in 3.0M high resolution color CCD camera with USB 2.0 output
- Includes professional forensic image analysis software
- Wide voltage range: 80~240V

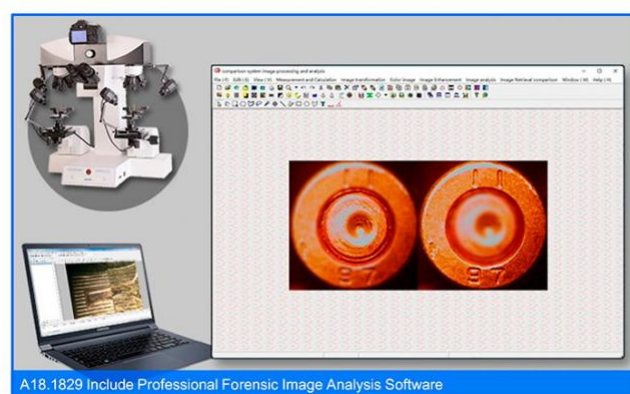


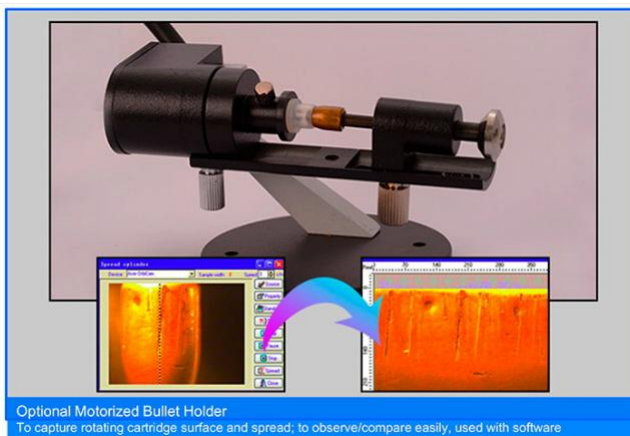
A18.1829 Motorized Forensic Comparison Microscope

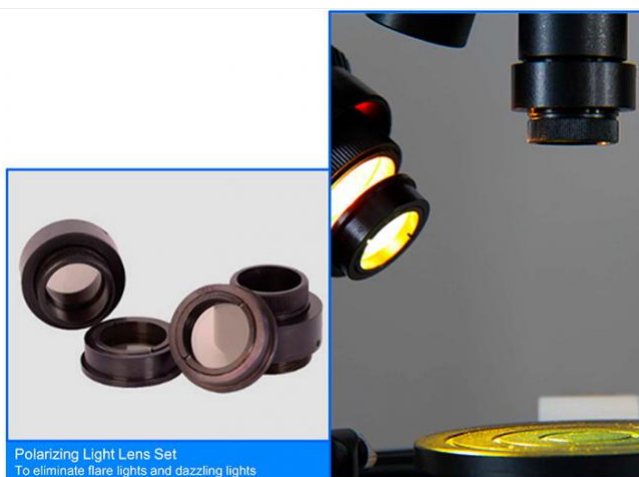
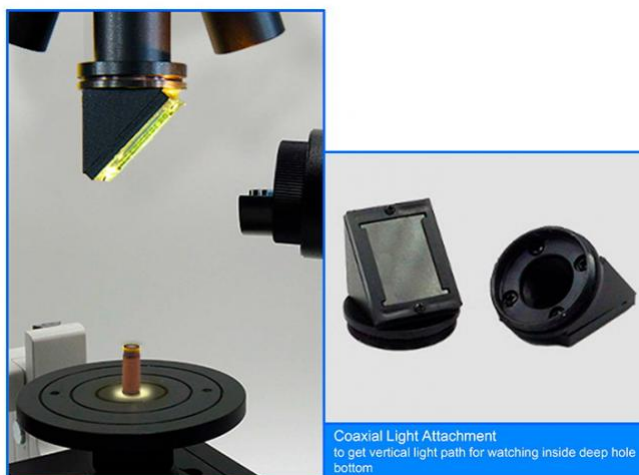
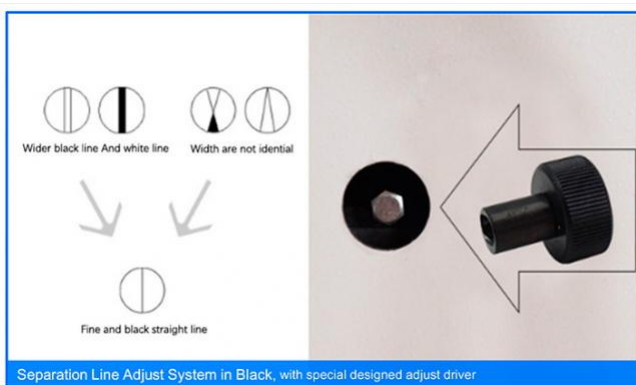


Product Details



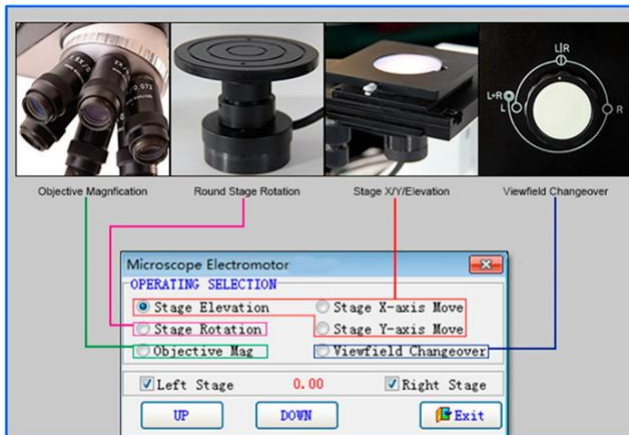








Auxiliary Lens 0.4x and 2x, each 2 pcs included



- Motorized/Manual View field Changeover Full /Split /Overlapping Image
- Motorized/Manual Control Working Stage X/Y/Elevation 3D Movement
- Motorized/Manual Control Round Working Stage Rotation +/- Direction
- Motorized/Manual Control To Change Objective Magnification



Accessories Packed in Strong Aluminum Box

Aluminum Box Package



Product Specification

Objective	Eyeiece 10X	Eyeiece 20X	Photograping & Video System	Working Distance
	Mag./Viewfield φ22mm	Mag./Viewfield φ12mm		
1X/0.03	10X/φ22	20X/φ12	Measure According to Monitor & Digital Camera	102mm
1.5X/0.04	15X/φ15	30X/φ8		
2X/0.05	20X/φ11	40X/φ6		
4X/0.072	40X/φ5.5	80X/φ3		
6X/0.075	60X/φ3.7	120X/φ2		
0.5X/0.02	5X/φ44	10X/φ24		138mm

More Pictures

OPTO-EDU



Technical Specifications

Magnification	2x~240x
Head	0-45° Tilttable Binocular Head, Interpupillary Distance 48~75mm, Diopter +/-5 Adjustable
Eyeiece	WF10x/22mm, High Eyepoint WF20x/12mm, High Eyepoint
Nosepiece	6 Hole Click Stop Nosepiece
Objective	LWD Infinity Plan Achromatic Objective 0.5x, 1x, 1.5x, 2x, 4x,6x Auxiliary Lens 0.4x, 2.0x
Working Distance	101mm
View Field	Dia. 2.3~62mm
Magnification Correcting	Magnification Correction System, With Correcting Lens

Separation Line Adjusting	Separation Line Adjust System In Back, With Special Designed Adjust Driver
Working Stage	Square Manual Working Stage 90*90mm, Moving Range 54*54*54mm Round Tilttable Working Stage Dia. 90mm, 0-45° Inclined, 360° Rotatable Joint Left/Right Moving Range 54mm, Joint Up/Down Range 60mm
Light Source	12V50W Fan Cooling Strong Halogen Light (2pcs) 5W LED Cold Light (2pcs) Coaxial Light Lens (2pcs) Polarizing Light Lens (2pcs) Transmit Bottom Light (Built-in) Ultraviolet Light Lens (2pcs) Filters: Red, Blue, Yellow, Green (2pcs each)
Adapter	0.5x CCD Adapter For Digital Camera (1pc) Front View Photo Adapter 2.5X For SLR Digital Camera (Nikon And Canon)
CCD Camera	Built-in 3.0M High Resolution Color CCD Camera, USB 2.0 Output, 2048*1536 Pixels, Pixel Size 3.2*3.2μm
Software	Professional Forensic Image Analysis Software
Power	80~240V Wide Range Voltage
Bullet Holder	Standard Bullet Holder 2 Sets, Bullet Holder Set for all kinds of Bullet, Cartridge and other Objects
Dimension	Instrument Size 40*60*72cm

Optional Accessories

Light Source	150W Cold Light Source, With Optical Fiber & Light Collector (A56.1821)
Bullet Holder	Motorized Bullet Holder 1 Set (A54.1813)
Nosepiece	Motorized 6 Hole Nosepiece (A54.1814)



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