OPTO-EDU M30.5820 Full Auto Microscope Slide Scanner 60/120/240/480 Slides

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: M30.5820
- 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

- Slide Capacity: 60pcs/120pcs/240pcs/480pcs Standard Pathology Slides (75*25mm)
- Camera: 5.0M Scientific Research-grade Large-area CMOS Digital Camera
- Scanning Method: High-speed Continuous Area Scanning
- Scanning Mode: Fast, Accurate, 3D, Fusion Mode
- Repeat Position Accuracy: X, Y Axis ≤ 40nm, Z Axis ≤ 25nm
- Software: Scan Software: IScanneX, Browser Software: IViewer
- Highlight: **240 Slides Microscope Slide Scanner**, **Full Auto Microscope Slide Scanner**, **60 Slides Microscope Slide Scanner**

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Product Description

60/120/240/480 Standard pathology slides (75*25mm) Capacity

High Quality Plan Apochromatic Objective Lens APO20x N.A. 0.8, APO40x NA. 0.45

5.0M Scientific Research-grade Large-area CMOS Digital Camera

Scanning Resolution 20x Scan ≤0.24um/pixel, 40x Scan ≤0.12um/pixel

Scanning Speed 15x15mm Area 20x Scan <35s, 40x Scan <50s

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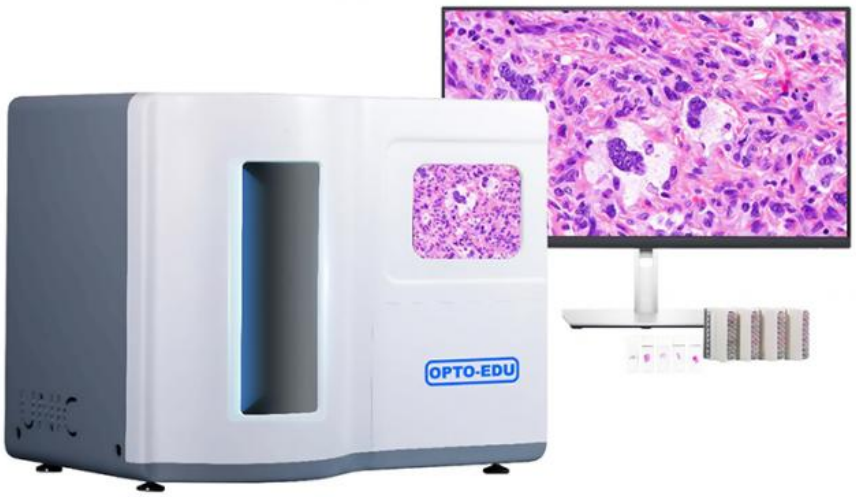
M30.5820

Full Auto Microscope Slide Scanner



M30.5820 Features

▶ Ultra-high Quality

High-quality flat-field apochromatic object sharp scientific research-grade ultra-high-speed area array camera (Patented face scanning technology) Independently developed military-grade high-brightness full-range LED light source
High-speed and high-quality presentation of tissue and cell structure morphology

▶ High-speed Scanning

15.00mmx15.00mm scanning range
20x magnification mode, ≤35 seconds
40x magnification mode, ≤50 seconds

▶ Improved Efficiency

It can provide bright field fast scanning, and can also realize fluorescence, phase contrast, and polarization scanning by upgrading the reef equipment to meet different scientific research needs

▶ Slide Protection

Advanced machine vision technology
Adaptive slide travel recognition
Automatically monitor and prompt slide positioning and system abnormalities

▶ Dual Screen Dual Control

The machine body is integrated with a touch screen display, which can independently control slide scanning and slide browsing, without the need for external auxiliary equipment, realizing dual-screen dual control of the equipment

▶ Ultra-high Stability

Technology accumulation creates a record of continuous scanning of 5,000 sheets without error
Single scan success rate is greater than 95%

▶ Flexible Throughput

60 pieces/120 pieces/240 pieces/480 pieces of various flux specifications are flexible to choose from to meet different construction needs
Support original machine flux upgrade to calmly face future development

▶ One-click Sharing

The scanned digital slides can be shared with any user by generating a QR code with one click. Users can browse and edit the slides through smart terminals, which is convenient and fast.

M30.5820 Specification

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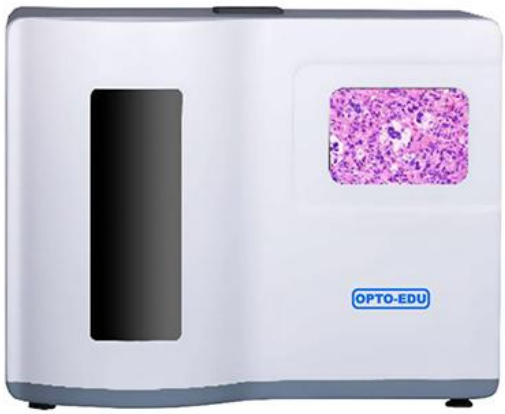

- **slide Loading Recognition Function**
  Automatically skip the loading point without slides during continuous scanning

- **slide Label Recognition Function**
  Automatically recognize the symbol, barcode or QR code information in the slide label

- **Organization Outline Recognition Function**
  Intelligently recognize the outline of the tissue area in the slide, and skip the non-organization area during the scanning process

- **slide Stroke Recognition Function**
  Using machine vision technology, it can automatically monitor and prompt the abnormality of the slide during the scanning process to avoid fragmentation and card

- Tissue or cell quantitative analysis software
- Mitophagy technology software
- Immunohistochemistry quantitative analysis software
- Digital slide management and browsing software
- Remote consultation software

M30.5820 High Throughput Digital slide Scanning Analysis System Specification	
Slide Capacity	60pcs/120pcs/240pcs/480pcs standard pathology slides (75*25mm)
Objective	APO 20x N.A.0.8 high quality plan apochromatic objective lens APO 40x N.A.0.45 high quality plan apochromatic objective lens
Camera	5.0M Scientific research-grade large-area CMOS digital camera
Scanning Method	High-speed continuous area scanning
Scanning Speed	15x15mm scanning area: -20x scan, <35 seconds -40x scan, <50 seconds
Scanning Resolution	20x scan ≤ 0.24um/pixel 40x scan ≤ 0.12um/pixel
Scanning Mode	Fast, Accurate, 3D, Fusion mode
Repeat Position Accuracy	X, Y axis ≤ 40nm, Z axis ≤ 25nm
Multi-layer Scanning Function	Z-axis automatic focusing, multi-layer scanning, each layer image can be browsed and saved
Fusion Scanning Function	Applying depth of field fusion technology to obtain ultra-depth scanning images
Intelligent Recognition	Automatic identification of slide type: HE/IHC/Cyto Automatic identification of label symbols, barcodes and QR codes
Software	Scan Software: iScanneX, Browser Software: iViewer
Product Size	896mmx635.5mmx715mm

M30.5820 Application

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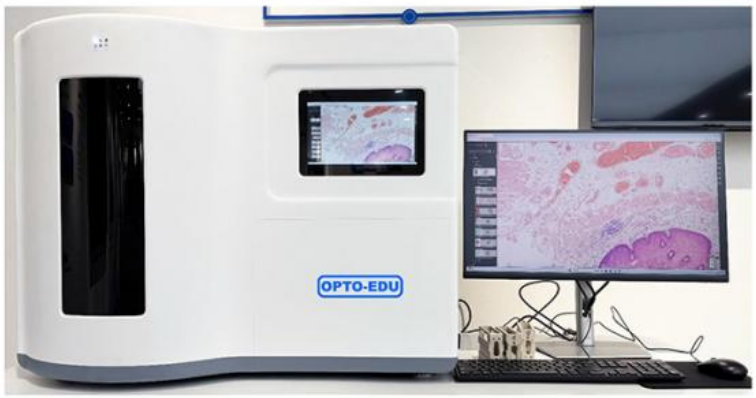
It provides solutions for a variety of applied research and can be widely used in scientific research, teaching, biochips, cancer and tumor research, toxicology and drug safety evaluation, forensic pathology and other fields.



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Digital upgrade of teaching slides

Upload digital slides to the platform, break through geographical restrictions through campus network or the Internet, conduct learning and communication anytime and anywhere, and realize the sharing and optimization of educational resources

Remote sharing, real-time interactive learning

Students can choose slides to observe according to their needs, and understand the details of pathological changes more carefully by zooming in, zooming out, rotating, etc. on the whole slide. They can also mark and take notes on the digital slides, compare and summarize, and submit homework. Teachers can correct it online, which is time-saving and efficient.

Change teaching methods and improve learning efficiency

Artificial intelligence software can be trained and developed based on digital slides for teaching, retrieval or examination
Teachers can use high-definition digital slides to create teaching materials, write academic articles, and plan high-quality courses.

Assist research and teaching software development

M30.5820 More Pictures

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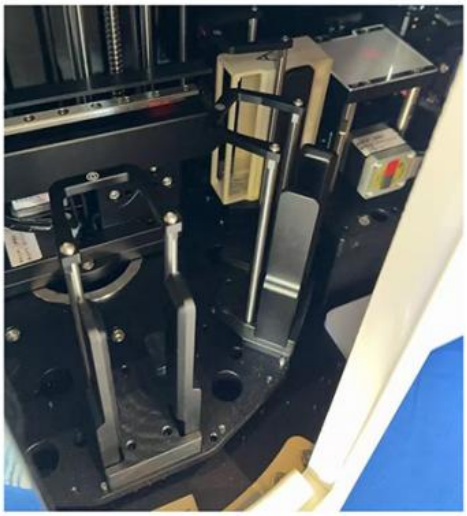

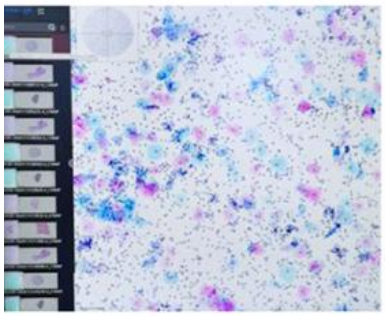

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