



MoticUltraScan 6

The new generation of high-speed digital slide scanner from Motic, capable of high-speed scanning throughout the entire process. Adopting a high-precision automatic scanning platform, it provides efficient scanning and high-quality image quality, which can be widely used in fields such as teaching, pathological diagnosis, and scientific research.



Rich Scanning Configurations

Up to 5 scanning modes (fast, standard, high-precision, depth of field extension, and Z-stack) can be configured with 3 different magnification objectives to meet different thickness samples and applications.



Excellent Image Quality

Equipped with high-quality apochromatic lenses (20X/0.8, 40X/0.95) and an independent real-time focusing device (for faster and more accurate focusing), it can present full images with true color and high resolution.



High Speed Scanning

The fastest time can reach 20 seconds (40X, 15x15mm), and real-time digital data of slides can be obtained to meet the time requirements of frozen consultation.



Slide Specifications Compatible

Supports slide sizes of 1 * 3 inches and 2 * 3 inches, and the software will automatically recognize the slide clip and display it to meet the different scanning needs of users.

Flexible File Formats

Compatible with common slide formats such as SVS, DICOM, OME-TOF, CSP, etc., It can be seamlessly integrated with third-party laboratory information systems or image analysis tools.

Sample Protection

Our independently developed high-speed stroboscopic light source avoids high-intensity irradiation to the glass slide during the scanning process, thus better protecting the user's samples.

Slide Capacity	6
Objective Lens	Plan Apochromat 20X/0.8
Optional Objective Lens (max. 3 objectives)	Plan Apochromat 40X/0.95, S-Apochromat 10X/0.3NA
Resolution	40X mode: 0.22 μ m/pixel 80X mode: 0.11 μ m/pixel
Scanning Time (15x15m Whole Tissue Section)	Fastest at 20s (40X mode) and 60s (80X mode)
Focusing Technology	Real time autofocus
Scanning mode	Continuous scanning (high-speed scanning)
	Standard scanning (real-time autofocus)
	High-precision scanning (high-precision autofocus)
	EDF (Extended Depth of Field) scanning (multi-layer scanning)
	Z-stack scanning (multi-layer scanning in Z direction)
Imaging System	3 Camera Imaging System
Scan Camera	12 million pixels (1.1-inch high-speed chip)
Supports Icc Colors	ICC color approval
Image Quality Monitoring	Intelligent rating monitoring
Electric Objective Lens Converter	Can be configured with 3 objective lenses
Light Source	LED
Digital Slide Format	MDS, SVS, JPEG, DICOM, TIFF, OME-TIFF, CSP
Slide Size	75-76 x 25-26mm
Motion Mechanism	Nano level ultra-high precision control platform driven by linear magnetic axis and grating positioning
Tag Identification	Automatically recognize barcodes, QR codes, and support manual input and modification
Computer	Main parameters:
	CPU: i7-14700/Memory: 64GB
	Hard drive: 512GB SSD+2TB SSD
	RTX 5060 graphics card
	Windows 11 Professional 64 bit
	Upgrades will be made periodically without further notice
Interface Type	USB 3.0, 10Gige
Standard Software	DSAssistant
	UltraScanner software
Optional Software	DSServer
Size	610 x 530 x 583mm
Net Weight	62.5kg