

Technical Specs: Scan Mode and Qumulus™ for Digital Pathology*

Mikroskan SL5 Scan Mode – Basic System Information

Slide Size	1"x3" (25mmx75mm)					
Number of Slides	1 or 2 (1"x3")					
Number of Objective Positions	Up to 5					
Default Objectives	Magnification	2x	4x	10x	20x	40x
	Numerical Aperture (NA)	0.06	0.1	0.25	0.5	0.65
	Working Distance (mm)	5.8	18.5	10.6	2.1	0.6
	Cover Glass Thickness	N/A	N/A	N/A	0.17	0.17
Custom Objectives-Non-coverslip	Magnification	20x N/C	40x N/C			
	Numerical Aperture (NA)	0.45	0.75			
	Working Distance (mm)	3.1	0.63			
	Cover Glass Thickness	0	0			
Device Dimensions	D: 14.19"(360mm) x W: 11.6" (295mm) x H: 9.83" (250mm)					
Device Weight	32 lbs (14.5 Kg)					
Power	Universal AC input, power factor corrected, 110v/220v 50Hz/60Hz AC Input converted to 24VDC					
Supplied Computer	Windows 7 Pro 64 bit OS, Dell Optiplex 9020 or similar, Intel i7 – 4790 3.6Ghz CPU, 64GB DDR3 RAM, 500GB HDD, 2 x 256GB SSD, NVIDIA Quadro K600 1GB Video Card					

Technical Specs – Scan Software for Digital Pathology Applications

Scan Methods	Thumbnail: Single shot macro image <i>Scan</i> -Stopped tile scanning					
		2x	4x	10x	20x	40x
Scan Resolution	µm/pixel	4.54	2.27	0.908	0.454	0.227
Scan Speeds – 15mm x 15mm		10x	20x	40x		
		22 sec.	62 sec.	3.7mins		
Time to View-Includes 5 Focal Points, Processing and Saving (Approximate Values)		10x	20x	40x		
		1 min.	2.33 min.	7 min.		
Slide setup time	18 sec. (two slides)					
Real time image adjustments	Gamma and Light Intensity					
Tissue Detection	Automatic with feedback or override					
Focus Point Generation	Automatic with override and confirmation					
Focus	Delaunay triangulation surface mapping					
Image Formats	TIF, SVS					

Technical Specs - Qumulus™* Software for Digital Pathology Applications

Server Specs	Minimum configuration- Windows 7 Pro64-bit OS. Intel Core i7 4790 3.6 GHz Quad Core 8MB 84W Processor, 23GB DDR-3 1600 RAM, 250GB SSD, 16TB RAID5 Storage, LSI RAID Controller. Requires Qumulus server software.
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*"For Research Use Only. Not for use in diagnostic procedures."