mikroscan™

Technical Specs: **Scan Mode and Proscia® for Digital Pathology***

Mikroscan SL5 Scan Mode – Basic System Information

Slide Size	1”x3” (25mmx75mm)					
Number of Slides	1 or 2 (1”x3”)					
Number of Objective Positions	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/DC Medical Adaptor input, power factor corrected, 110v/240v 50Hz/60Hz AC Input converted to 24VDC					
Supplied Computer	Windows 7 Pro 64 bit OS, Dell Optiplex 3420 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 *Scan*-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 – Proscia® * Software for Digital Pathology Applications

Proscia is offered via cloud or Mikroscan provided system only.

*”For Research Use Only. Not for use in diagnostic procedures.”