



SFX Digital Zoom microscope with 9" monitor, 8x 54x, LED Incident & transmitted light

Observation Method - Transmitted Light	Brightfield	Yes
Observation Method - Incident Light	Brightfield	Yes
Objective	Anti-fungus treatment	Yes
	Objective Type	Achromatic
	Zoom type	Parfocal achromatic
	Working distance (mm)	100
	Standard magnifications	0.7x-4.5x
	Zoom ratio	6.43
	Total magnification on monitor	8x-54x
	Field of View (minimum magnification) (mm)	17.5x10
	Field of View (maximum magnification) (mm)	4.7x2.5
Objective resolution	60 lp/mm @ 0.7x 240 lp/mm @ 4.5x	
Focusing System	Type	Coarse
	Coarse total travel (mm)	41
Stand	Type	Precision fixed arm
	Handle	Yes
Stage	Frosted diffusion plate for transmitted ill.	Yes, diameter 60 mm
	Black/white contrast plate for incident ill.	Yes, diameter 60 mm
	Specimen clips	Yes
Transmitted Illumination	Type	LED
	Light source power (W)	1
	Brightness control	Touch Panel
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
Max. required power (W)	1.5	
Incident Illumination	Type	LED
	Annular	Yes
	N° of LED	21
	Light source power (W)	1

	Brightness control	Touch Panel	
	Lifetime (hours)	> 65,000	
	Temperature (K)	6,300	
	Max. required power (W)	1.5	
Power Supply for Illumination	Type	External	
	Microscope connector	Jack, 2.1 mm	
	Power plug type	Multi-plug (EU, UK, US)	
	Input voltage	100/240 Vac, 50/60 Hz	
	Output voltage	12 Vdc 2 A	
	LED indicator	Yes	
Accessories Included	Dust cover	Yes	
	User Manual	Digital version (downloadable)	
	SD card	Yes	
	Calibration slide	Yes	
Additional Information	Maximum sample height (mm)	35	
Product Dimensions	Total height (mm)	445	
	Total width (mm)	225	
	Base height (mm)	45	
	Base width (mm)	183	
	Base depth (mm)	205	
Product Weight	(kg)	2	
Digital Head	Resolution (MP)	5	
	Sensor type	CMOS	
	Sensor size	1/2.8"	
	Sensor aspect ratio	4/3	
	Full image size	2592x1944	
	Pixel size (µm)	2.0x2.0	
	Frame rate	60 fps (2592x1944)	
	S/N ratio (dB)	>65	
	Exposure time (s)	1 ms - 1 sec	
	Monitor	9"	
	Monitor resolution	1024x600	
	USB type	2.0	
	Software	Built-in	
General	Built-in SW Specifications		
	Archiving	Yes	
	Multi-language menu	Yes	
	Available languages		
	Chinese	Yes	
	English	Yes	
	Japanese	Yes	
	Spanish	Yes	
	Image Acquisition	Video recording	Yes
		Storage medium	SD Card
		Continuous automatic exposure	Yes
		Manual exposure	Yes
		Color acquisition	Yes
		Gray-scale acquisition	Yes
		White Balance	Auto/Manual
		Image enhancement	Yes

	Zoom in	Yes
	Zoom out	Yes
	Image Comparison	Yes
	Browse of Images and Video	Yes
	Freeze image	Yes
	Horizontal Flip	Yes
	Vertical Flip	Yes

Image Processing	HDR (High Dynamic Range)	Yes
	Crosshair	Yes
	Text Overlay	Yes

Measurements	Live measurement	Yes
	Still image measurement	Yes
	Select measurement unit	Yes
	Available measurements	
	Line	Yes
	Angle	Yes
	Parallel lines	Yes
	Rectangle	Yes
	Circle	Yes
	Curve	Yes
	Arc	Yes
	Polygon	Yes