



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
Image Acquisition	Multi-language menu	Yes
	Available languages	
	Chinese	Yes
	English	Yes
	Japanese	Yes
	Spanish	Yes
	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	