



Digital stereomicroscope with 3 MP camera, precision fixed arm, 10x - 20x - 40x, touch panel, with rechargeable battery

Observation Method - Transmitted Light	Brightfield	Yes
Observation Method - Incident Light	Brightfield	Yes
Head	Type	Binocular
	Construction material	Aluminum & Plastic molds / Aluminum gears
	Inclination	45°
	360° rotating	Yes
	Interpupillary distance (mm)	53-75
	Dioptric adjustment	On both tubes
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	30.5
Eyepieces	Field number (mm)	20
	Magnification	10x
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	20
	Rubber cup	Yes
Objective	Optical system	Greenough
	Anti-fungus treatment	Yes
	Objective Type	Achromatic
	Working distance (mm)	60
	Standard magnifications	10x, 20x, 40x (rotating turret)
Focusing System	Type	Coarse
	Coarse total travel (mm)	41
	Adjustable tension	Yes
Stand	Type	Precision fixed arm
	Handle	Yes
Stage	Frosted diffusion plate for transmitted ill.	Yes
	Black/white contrast plate for incident ill.	Yes
	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
	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	Internal
	Microscope connector	C13 plug
	Power plug type	Schuko
	Input voltage	110/240 Vac, 50/60 Hz
	LED indicator	Yes
	Rechargeable batteries	Yes
	Battery type	Ni-MH
	Working time of batteries (hours)	8
	Charging time of batteries (hours)	8

Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
	Calibration slide	Yes

Additional Information	Maximum sample height (mm):	35
-------------------------------	-----------------------------	----

Product Dimensions	Total height (mm)	288
	Base height (mm)	45
	Base width (mm)	183
	Base depth (mm)	205

Product Weight	(kg)	2.5
-----------------------	------	-----

Digital Head	Resolution (MP)	3
	Sensor type	APTINA CMOS
	Sensor size	1/2"
	Sensor aspect ratio	4/3
	Full image size	2040x1528
	Pixel size (µm)	3.2x3.2
	Frame rate	13 fps (2040x1528), 40 fps (1016x760), 79 fps (632x472)
	S/N ratio (dB)	43
	Dynamic range (dB)	54
	Sensitivity (V/lux*s @550nm)	1
	Exposure time (s)	0,6 - 1/1000
	USB type	2.0
	System requirements	Win 7 / Win 8 / Win 10 (32/64 bit)
	Software	OPTIKA Vision Lite