



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

Observation Method -	Brightfield	Yes
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Head	Type	Binocular
	Construction material	Aluminum & Plastic molds / Aluminum gears
	Inclination	45°
	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, 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
	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	5 Vdc 500 mA
	LED indicator	Yes
	Rechargeable batteries	Yes
	Battery type	Ni-MH (3x, AA size)
	Working time of batteries (hours)	up to 8
Charging time of batteries (hours)	8	

Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
	USB cable (m)	1,8
	Calibration slide	Yes

Additional Information	Maximum sample height (mm):	35
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Product Dimensions	Total height (mm)	288
	Base height (mm)	45
	Base width (mm)	183
	Base depth (mm)	205

Product Weight	(kg)	2,5
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Digital Head	Resolution (MP)	3
	Sensor type	APTINA CMOS
	Sensor size	1/2.5"
	Sensor aspect ratio	4/3
	Full image size	2040x1528
	Pixel size (µm)	3.2x3.2
	Frame rate	13 fps (2048x1528), 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	ISView