



Binocular digital stereozoom microscope with 1.3 MP camera, 7x...45x

Observation Method - Transmitted Light	Brightfield	Yes
	Darkfield	As optional
	Simple polarized light	As optional
Observation Method - Incident Light	Brightfield	Yes
	Simple polarized light	As optional
Head	Type	Binocular
	Construction material	Plastic mold / Aluminum gears
	Inclination	45°
	360° rotating	Yes
	Interpupillary distance (mm)	51-75
	Dioptric adjustment	On both tubes
	Fixing screw for eyepieces	Yes
	Head holder internal diameter (mm)	76
	Tube inner diameter (mm)	30
Eyepieces	Field number (mm)	21
	Magnification	10x
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	23
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
Objective	Optical system	Greenough
	Anti-fungus treatment	Yes
	Zoom type	Parfocal achromatic
	Working distance (mm)	100
	Standard magnifications	7x-45x
	Zoom ratio	6.43
Focusing System	Type	Coarse
	Coarse total travel (mm)	50
	Adjustable tension	Yes
	Head holder internal diameter (mm)	76
Stand	Type	Pillar
	Pillar diameter (mm)	32
Stage	Frosted diffusion plate for transmitted ill.	Yes, diameter 95 mm
	Black/white contrast plate for incident ill.	Yes, diameter 95 mm
	Specimen clips	Yes
Transmitted Illumination	Type	Halogen
	Light source power (W)	15
	Illuminance (lux)	6,000
	Brightness control	Manual
	Lifetime (hours)	> 3,000
	Temperature (K)	3,500
Max. required power (W)	19	

Incident Illumination	Type	Halogen
	Light source power (W)	15
	Illuminance (lux)	35,000
	Brightness control	Manual
	Lifetime (hours)	> 3,000
	Temperature (K)	3,500
	Max. required power (W)	19

Power Supply for Illumination	Type	Internal
	Microscope connector	C13 plug
	Power plug type	Schuko
	Input voltage	110/240 Vac, 50/60 Hz
	Output voltage	12 Vdc

Accessories Included	Dust cover	Yes
	User Manual	Digital version (downloadable)
	USB cable (m)	1.8
	CD-ROM	Yes

Additional Information	Maximum sample height (mm):	150
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Product Dimensions	Total height (mm)	315
	Head height (mm)	230
	Head width (mm)	175
	Head depth (mm)	175
	Base height (mm)	60
	Base width (mm)	200
	Base depth (mm)	260

Product Weight	(kg)	6
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Digital Head	Resolution (MP)	1.3
	Sensor type	CMOS
	Sensor size	1/3"
	Sensor aspect ratio	4/3
	Full image size	1280x1024
	Pixel size (µm)	3.6x3.6
	Frame rate	15 fps (1280x1024), 55 fps (640x480)
	S/N ratio (dB)	44
	Dynamic range (dB)	71
	Sensitivity (V/lux*s @550nm)	1
	USB type	2.0
	System requirements	Win 7 / Win 8 / Win 10 (32/64 bit)
	Software	OPTIKA Vision Lite