



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

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
<b>Observation Method - Incident Light</b>	Brightfield	Yes
<b>Head</b>	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
<b>Eyepieces</b>	Field number (mm)	20
	Magnification	10x
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	20
	Rubber cup	Yes
<b>Objective</b>	Optical system	Greenough
	Anti-fungus treatment	Yes
	Objective Type	Achromatic
	Working distance (mm)	60
	Standard magnifications	10x, 20x, 40x (rotating turret)
<b>Focusing System</b>	Type	Coarse
	Coarse total travel (mm)	41
	Adjustable tension	Yes
<b>Stand</b>	Type	Precision fixed arm
	Handle	Yes
<b>Stage</b>	Frosted diffusion plate for transmitted ill.	Yes, diameter 60 mm
	Black/white contrast plate for incident ill.	Yes, diameter 60 mm
	Specimen clips	Yes
<b>Transmitted Illumination</b>	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
<b>Incident Illumination</b>	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

<b>Power Supply for Illumination</b>	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)	8
	Charging time of batteries (hours)	8

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

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

<b>Product Weight</b>	(kg)	2.5
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<b>Digital Head</b>	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