



*Digital binocular microscope with tablet,  
1000x, PLAN, multi-plug/EU*

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Simple polarized light	As optional
<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast
	Trasportation handle	Yes
<b>Head</b>	Type	Binocular (Siedentopf)
	Inclination	30°
	360° rotating	Yes
	Interpupillary distance (mm)	48-75
	Dioptic adjustment	On left tube
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
<b>Eyepieces</b>	Field number (mm)	18
	Magnification	10x
	Pointer	As optional
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	20
	High eyepoint (for glass wearers)	Yes
<b>Nosepiece</b>	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
<b>Objectives</b>	Optical system	160
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Type	N-PLAN
		4x/0.10, W.D. 15.2 mm
		10x/0.25, W.D. 5.5 mm
		40x/0.65, W.D. 0.45 mm
	100x/1.25 (Oil/Water), W.D. 0.13 mm	

<b>Stage</b>	Type	Double layer
	Dimensions (mm)	125x115
	Moving mechanism	Rack and pinion
	Moving range (mm)	70x30
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	X-Y movement	Yes
	X-Y Vernier scale	Yes
Vernier scale accuracy (mm)	0.1	

<b>Condenser - Single Position</b>	Type	Abbe
	Numerical aperture (N.A.)	1.25
	Centrable	Pre-centered
	Focusable	By rotation

<b>Focusing System</b>	Type	Coaxial coarse & fine
	Coarse total travel (mm)	18
	Fine total travel (per single rotation) (mm)	0,4
	Fine graduations	100
	Fine resolution (µm)	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes

<b>Transmitted Illumination</b>	Type	X-LED
	X-LED type	X-LED2
	Light source power (W)	3
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	6

<b>Power Supply for Transmitted 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	6 Vdc 2.5 A

<b>Accessories Included</b>	Dust cover	Yes
	Immersion oil (10ml)	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
	Calibration slide	Yes
	USB cable (m)	0,5

<b>Additional Information</b>	External rechargeable battery pack (as optional). Tablet Keyboard (as optional).
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<b>Product Dimensions</b>	Height (mm)	525
	Width (mm)	260
	Depth (mm)	320

<b>Product Weight</b>	(kg)	7,4
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<b>Camera specifications</b>	PC Camera resolution (MP)	3.1
	Camera resolution (n° of pixels: W x H)	2048x1536
	USB Signal output	USB 2.0
	Color / Monochrome	Color
	Sensor Size	1/2.5"
	Sensor Technology	CMOS
	Sensor Type	APTINA CMOS
	Rolling Shutter	Yes
	Image Format	4/3
	Pixel Size (µm)	2.2x2.2
	Frame rate full resolution (fps)	8@1280x1024
	Frame rate other resolution (fps)	30@640x480
	Sensitivity	0.53 V/lux-second
	Signal/Noise Ratio (DB)	40.5
	Dynamic range (DB)	66.5
	ADC conversion	12 Bit
	Color Depth	8 Bit
	Exposure time	... - 1.5 sec
	Binning	1x1
	IR filter	Yes
IR filter range (nm)	680	
Camera Power	PC USB	
C-Mount	Yes	

<b>Environment specifications</b>	Working Temperature	-10°C up to +50°C
	Storage Temperature	-20°C up to +60°C
	Relative Humidity	30% to 80%
	Storage Humidity	10% to 60%

<b>Operating System</b>	OS	Windows 10 (64Bit)
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<b>Available Software</b>	SW	PROVIEW
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<b>Warranty</b>	Years	2
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<b>Tablet</b>	Operating system	Windows 10 (64Bit)
	CPU	Intel® Celeron, N3350
	CPU speed	1.10 GHz
	Graphic card	Intel® HD Graphics 500
	RAM	Ram 6 GB DDR3
	Display size	LED 10.1" IPS Multi Touch Screen
	Display resolution	1920x1200
	Storage	Hdd 64 GB
	Network	802.11b/g/n/ac,2.4GHz+5.0GHz
	Input ports	USB 3.0, Type C, Micro SD card reader, Microphone, DC in
	Output ports	Headphone - Micro HDMI
	Battery Type	Lithium-ion
	Battery capacity	3500 mAh
	Power consumption	24.05W
	Power supply	12V 2A EU / US
	Dimensions (mm)	247 x 165 X 9
	Weight (Kg)	0.57
	Language	Multilanguage



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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

**The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed, please provide these to our sales team so that details can be confirmed.**

