



*Digital binocular brightfield microscope,  
1000x, HC objectives, 3.1 MP camera with  
tablet*

<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
	Dioptric 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	HC
		4x/0.10, W.D. 18 mm
		10x/0.25, W.D. 7 mm
	40x/0.65, W.D. 0.53 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
	Keyboard	Yes
	Touch pen	Yes
	USB cable (m)	0.5
<b>Additional Information</b>		External rechargeable battery pack (as optional).
<b>Product Dimensions</b>	Height (mm)	525
	Width (mm)	260
	Depth (mm)	320
<b>Product Weight</b>	(kg)	7.4
<b>Digital Head</b>	Resolution (MP)	3.1
	Sensor type	CMOS
	Sensor size	1/2.5"
	Sensor aspect ratio	4/3
	Full image size	2048x1536
	Pixel size (µm)	2.2x2.2
	Frame rate	8 fps (1280x1024), 30 fps (640x480)
	S/N ratio (dB)	40.5
	Dynamic range (dB)	66.5
	Sensitivity (V/lux*s @550nm)	0.53
	Exposure time (s)	1.5 - 1/1000
	USB type	2.0
	System requirements	Windows 10 (64Bit)
	Software	OPTIKA PROView
	Camera power supply	PC USB
<b>Tablet</b>	Operating system	Windows 10 (64 bit)
	CPU	Intel Atom Z8350 Quad Core
	CPU speed	1.44 GHz
	Graphic card	Intel Graphics HD 400
	RAM	4 GB LPDDR3
	Display size	10.8" IPS
	Display resolution	1920x1200
	Storage	HDD 64 GB
	Network	Wireless - Bluetooth 4.0
	Input ports	Micro USB - USB - Micro SD card reader
	Output ports	Microphone - Headphone - Micro HDMI
	Battery	Lithium-ion. 6,500 mAh
	Tablet power supply	External. Output voltage 5Vdc 3A
	Dimensions (mm)	261x167x9
	Weight (kg)	0.53