



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

Observation Method - Transmitted Light	Brightfield	Yes
	Simple polarized light	As optional
Main Body	Type	Upright
	Construction material	Aluminum die-cast
	Trasportation handle	Yes
Head	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
Eyepieces	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
Nosepiece	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	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	
Stage	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
Condenser - Single Position	Type	Abbe
	Numerical aperture (N.A.)	1.25
	Centrable	Pre-centered
	Focusable	By rotation

Focusing System	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
Transmitted Illumination	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
Power Supply for Transmitted 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	6 Vdc 2.5 A
Accessories Included	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
Additional Information		External rechargeable battery pack (as optional).
Product Dimensions	Height (mm)	525
	Width (mm)	260
	Depth (mm)	320
Product Weight	(kg)	7.4
Digital Head	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
Tablet	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	