



*Digital binocular brightfield microscope,
1000x, N-PLAN objectives, 3.2 MP camera
with tablet*

Observation Method - Transmitted Light	Brightfield	Yes
	Darkfield	As optional
	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)	20
	Magnification	10x
	Pointer	As optional
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	23
	High eyepoint (for glass wearers)	Yes
	Rubber cup	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	N-PLAN
	Objectives included	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		
Stage	Type	Double layer
	Dimensions (mm)	150x139
	Moving mechanism	Rackless
	Moving range (mm)	75x33
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1

Condenser - Single Position	Type	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	Yes
	Diaphragms	Iris
	Centrable	Yes
	Focusable	By rack and pinion
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	Kohler illumination	Fixed
	Type	X-LED
	X-LED type	X-LED3
	Light source power (W)	3.6
	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)
Additional Information		Mirror for transmitted light (as optional). 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
	Exposure time (s)	1,5 - 1/1000
	USB type	2.0
	System requirements	Win 7 / Win 8 / Win 10 (32/64 bit)
	Software	OPTIKA Vision Lite
Tablet	Operating system	Windows 10 (64 bit)
	CPU	Intel Atom Z830 Quad Core
	CPU speed	1,44 GHz
	Graphic card	Intel Graphics HD 400
	RAM	4 GB
	Display size	10,8"
	Display resolution	1920 x 1280
	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
	Dimensions (mm)	276 x 185 x 9
	Weight (kg)	0.72