



*Digital monocular microscope, 400x,  
integrated 1.3 MP camera, rechargeable,  
N-PLAN objectives*

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Simple polarized light	As optional

<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast

<b>Head</b>	Type	Monocular
	Inclination	30°
	360° rotating	Yes
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23

<b>Eyepieces</b>	Field number (mm)	18
	Magnification	10x
	High eyepoint (for glass wearers)	Yes
	Pointer	As optional
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	20

<b>Nosepiece</b>	Positions	Quadruple
	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-400x
	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		

<b>Stage</b>	Type	Double layer
	Dimensions (mm)	125x116
	Moving mechanism	Rack and pinion
	Moving range (mm)	70x30
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1

<b>Condenser - Single Position</b>	Type	Abbe
	Numerical aperture (N.A.)	1.25
	Diaphragms	Iris
	Centrable	Pre-centered
	Focusable	By rotation
<b>Focusing System</b>	Type	Coaxial coarse & fine
	Coarse total travel (mm)	16
	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-LED1
	Light source power (W)	1
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	1.5
<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	5 Vdc 500 mA
	LED indicator	Yes
	Rechargeable batteries	Yes
	Battery type	Li-ion (battery pack)
	Working time of batteries (hours)	15
Charging time of batteries (hours)	6	
<b>Accessories Included</b>	Dust cover	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
	USB cable (m)	1.8
	CD-ROM	Yes
<b>Additional Information</b>		Mirror for transmitted light (as optional)
<b>Product Dimensions</b>	Height (mm)	365
	Width (mm)	170
	Depth (mm)	320
<b>Product Weight</b>	(kg)	4
<b>Digital Head</b>	Resolution (MP)	1.3
	Sensor type	CMOS
	Sensor size	1/3.2"
	Sensor aspect ratio	5/4
	Full image size	1280x1024
	Pixel size (µm)	2.8x2.8
	Frame rate	15 fps (1280x1024), 30 fps (640x480)
	S/N ratio (dB)	42.3
	Dynamic range (dB)	71
	Sensitivity (V/lux*s @550nm)	1
	Exposure time (s)	20 - 1/1000
	USB type	2.0
	System requirements	Win 7 / Win 8 / Win 10 (32/64 bit)
	Software	OPTIKA PROView