v 3 0 2010



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

Observation Method - Transmitted Light	Brightfield	Yes
	Simple polarized light	As optional
Main Body	Туре	Upright
	Construction material	Aluminum die-cast
Head	Туре	Monocular
	Inclination	30°
	360° rotating	Yes
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
Eyepieces	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
Nosepiece	Positions	Quadruple
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
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Objectives	Optical system	160
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-400x
	Туре	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
Stage	Туре	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
Stage	Type Dimensions (mm) Moving mechanism Moving range (mm) Material Specimen holder Slide number	10x/0.25, W.D. 5.5 mm  40x/0.65, W.D. 0.45 mm  Double layer 125x116 Rack and pinion 70x30 Anti-scratch painting Yes 1

Condenser - Single Position	Туре	Abbe
	Numerical aperture (N.A.)	1.25
	Diaphragms	Iris
	Centrable	Pre-centered
	Focusable	By rotation
Focusing System	Туре	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
Transmitted Illumination	Туре	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
Power Supply for Transmitted	Туре	External
	Microscope connector	Jack, 2.1 mm
Illumination	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
Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
	USB cable (m)	1.8
	CD-ROM	Yes
Additional Information		Mirror for transmitted light (as optional)
Product Dimensions	I I a i what ( on on )	005
Product Dimensions	Height (mm)	365 170
	Width (mm)	320
	Depth (mm)	320
Product Weight	(kg)	4
Troduct Weight	(NG)	7
Digital Head	Resolution (MP)	1.3
	Sensor type	CMOS
	Serisor type	1/3.2"
	Sensor size	
	Sensor size	
	Sensor aspect ratio	5/4
	Sensor aspect ratio Full image size	5/4 1280x1024
	Sensor aspect ratio Full image size Pixel size (µm)	5/4 1280x1024 2.8x2.8
	Sensor aspect ratio Full image size	5/4 1280x1024
	Sensor aspect ratio Full image size Pixel size (µm)	5/4 1280x1024 2.8x2.8 15 fps (1280x1024),
	Sensor aspect ratio Full image size Pixel size (µm) Frame rate	5/4 1280x1024 2.8x2.8 15 fps (1280x1024), 30 fps (640x480)
	Sensor aspect ratio Full image size Pixel size (µm) Frame rate S/N ratio (dB)	5/4 1280x1024 2.8x2.8 15 fps (1280x1024), 30 fps (640x480) 42.3
	Sensor aspect ratio Full image size Pixel size (µm) Frame rate S/N ratio (dB) Dynamic range (dB)	5/4 1280x1024 2.8x2.8 15 fps (1280x1024), 30 fps (640x480) 42.3
	Sensor aspect ratio Full image size Pixel size (µm) Frame rate S/N ratio (dB) Dynamic range (dB) Sensitivity (V/lux*s @550nm) Exposure time (s) USB type	5/4  1280x1024  2.8x2.8  15 fps (1280x1024), 30 fps (640x480)  42.3  71
	Sensor aspect ratio Full image size Pixel size (µm) Frame rate S/N ratio (dB) Dynamic range (dB) Sensitivity (V/lux*s @550nm) Exposure time (s)	5/4  1280x1024  2.8x2.8  15 fps (1280x1024), 30 fps (640x480)  42.3  71  1 20 - 1/1000
	Sensor aspect ratio Full image size Pixel size (µm) Frame rate S/N ratio (dB) Dynamic range (dB) Sensitivity (V/lux*s @550nm) Exposure time (s) USB type	5/4  1280x1024  2.8x2.8  15 fps (1280x1024), 30 fps (640x480)  42.3  71  1 20 - 1/1000  2.0