v 4 4 2021



Digital binocular brightfield microscope, 1000x, N-PLAN objectives, 3.1 MP camera with tablet

Observation Method -	Brightfield	Yes
	Darkfield	As optional
	Simple polarized light	As optional
		· ·
Main Body	Туре	Upright
	Construction material	Aluminum die-cast
-	Trasportation handle	Yes
	·	
Head	Туре	Binocular (Siedentopf)
Ī	Inclination	30°
	360° rotating	Yes
Ī	Interpupillary distance (mm)	48-75
Ī	Dioptric adjustement	On left tube
Ī	Fixing screw for eyepieces	Yes
-	Tube inner diameter (mm)	23
_		
Eyepieces	Field number (mm)	20
Ī	Magnification	10x
Ī	Pointer	As optional
Ī	Micrometric scale	As optional
1	Diameter of micrometer glass (mm)	21
Ī	High eyepoint (for glass wearers)	Yes
Ī	Rubber cup	Yes
Nosepiece	Positions	Quadruple
Ī	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	Optical system	160
4	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Туре	N-PLAN
		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

Type			
Moving mechanism Rackless	Stage	Туре	Double layer
Moving range (mm)		Dimensions (mm)	150x139
Material Anti-scratch painting Specimen hotder Ves Side number 1		Moving mechanism	Rackless
Specimen holder Side number 1		Moving range (mm)	75x33
Side number 1		Material	Anti-scratch painting
Side number		Specimen holder	Yes
X-Y Vernier scale Yes		Slide number	1
Vernier scale accuracy (mm)			Yes
Type Abbe Position Removable Type Abbe Position Removable Yes Numerical aperture (N.A.) 1.25 Magnification scale for simplified positioning Ves Diaphragms Iris Centrable Yes Procusable By rack and pinion Procusable Procusable By rack and pinion Procusable			
Removable Numerical aperture (N.A.) 1.25		Termine course accounts, ()	,
Removable	Condenser - Single	Tyne	Ahhe
Numerical aperture (N.A.) 1.25	_		
Magnification scale for simplified positioning Yes Diaphragms Iris			
Daphragms			
Centrable Focusable By rack and pinton			
Focusing System			
Type			
Coarse total travel (mm) 18		Focusable	By rack and pinion
Coarse total travel (mm) 18	Facusina Costs	Tons	Opposite Language Control
Fine total travel (per single rotation) (mm)	Focusing System		
Fine graduations		` '	
Fine resolution (µm)			
Upper stop to prevent contact		-	100
Transmitted Illumination Type X-LED X-LED type Light source power (W) 3.6 Brightness control Lifetime (hours) Temperature (K) Max. required power (W) 6 Power Supply for Transmitted Illumination Type X-LED 3 X-LED		Fine resolution (µm)	4
Transmitted Kohler illumination Fixed Type X-LED X		Upper stop to prevent contact	Yes
Type		Adjustable tension	Yes
Type			
X-LED type	Transmitted	Kohler illumination	Fixed
Light source power (W) Brightness control Lifetime (hours) - 565,000 Temperature (K) Max. required power (W) 6 Power Supply for Transmitted Illumination Transmitted Illumination Power plug type Input voltage Output voltage Dust cover Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Lifetime (hours) - 565,000 External Type External Type - Multi-plug (EU, UK, US)	Illumination	Туре	X-LED
Brightness control Manual Lifetime (hours) > 65,000 Temperature (K) 6,300 Max. required power (W) 6 Power Supply for Transmitted Microscope connector Jack, 2.1 mm Multi-plug (EU, UK, US) Input voltage 100/240 Vac, 50/60 Hz Output voltage 6 Vdc 2.5 A		X-LED type	X-LED3
Lifetime (hours)		Light source power (W)	3.6
Lifetime (hours)		Brightness control	Manual
Temperature (K) Max. required power (W) External Type Type Microscope connector Illumination Power plug type Input voltage Output voltage Dust cover Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Tensions Height (mm) Depth (mm) External External Jack, 2.1 mm Multi-plug (EU, UK, US) Multi-plug (EU, UK, US) Multi-plug (EU, UK, US) Input voltage Authorized Authorized Fexternal Doi:10.10.10.10.10.10.10.10.10.10.10.10.10.1			
Max. required power (W) 6			
Power Supply for Transmitted 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 USB cable (m) 0,5 Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) 525 Width (mm) 260 Depth (mm) 320			
Transmitted Illumination Microscope connector Power plug type Input voltage Output voltage Output voltage Accessories Included Dust cover Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Height (mm) Wicroscope connector Jack, 2.1 mm Multi-plug (EU, UK, US) Multi-plug (EU, UK) Mult			
Transmitted Illumination Microscope connector Power plug type Input voltage Output voltage Output voltage Accessories Included Dust cover Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Height (mm) Wicroscope connector Jack, 2.1 mm Multi-plug (EU, UK, US) Multi-plug (EU, UK) Mult	Power Supply for	Type	External
Power plug type Multi-plug (EU, UK, US) Input voltage 100/240 Vac, 50/60 Hz Output voltage 6 Vdc 2.5 A			
Input voltage Output voltage 6 Vdc 2.5 A Accessories Included Dust cover Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Height (mm) Tenduct Dimensions Input voltage 100/240 Vac, 50/60 Hz 6 Vdc 2.5 A Yes Yes Immersion oil (10ml) Yes Digital version (downloadable) O,5 Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Froduct Dimensions Height (mm) Depth (mm) 320	Illumination	·	
Output voltage Output voltage 6 Vdc 2.5 A			
Accessories Included Dust cover			·
Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) Depth (mm) 320		Culput voltage	0 VdC 2.0 /\
Immersion oil (10ml) Tension adjustment tool User Manual Calibration slide USB cable (m) Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) Depth (mm) 320	Accessories Included	Dust cover	Vas
Tension adjustment tool User Manual Digital version (downloadable) Calibration slide USB cable (m) Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) Depth (mm) 320	Accessories included		
User Manual Calibration slide USB cable (m) Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) Depth (mm) 320		, ,	
Calibration slide USB cable (m) Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) Depth (mm) 320		· · · · · · · · · · · · · · · · · · ·	
Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) 525 Width (mm) Depth (mm) 320			
Additional Information Mirror for transmitted light (as optional). External rechargeable battery pack (as optional). Tablet keyboard (as optional). Product Dimensions Height (mm) Width (mm) Depth (mm) 320			
Product Dimensions Height (mm) Width (mm) Depth (mm) External rechargeable battery pack (as optional). 525 Width (mm) 260 Depth (mm) 320		USB Cable (III)	0,5
Width (mm) 260 Depth (mm) 320	Additional Information		External rechargeable battery pack (as optional).
Width (mm) 260 Depth (mm) 320	Product Dimensions	Height (mm)	525
Depth (mm) 320			
Product Weight (kg) 7,4		Debut (IIIII)	J2U
(kg)	Product Waight	(ka)	7.4
	1 Toduct Weight	(v9)	1,4

Camera specifications	PC Camera resolution (MP)	3,1
camera opcomoanone	Camera resolution (n° of pixels: W x H)	2048x1536
	USB Signal output	USB 2.0
	Color / Monochrome	Color
	Sensor Size	1/2.5"
	Sensor Technology	CMOS
	Sensor Type	APTINA CMOS
	Rolling Shutter	Yes
	Image Format	4/3
	Pixel Size (µm)	2.2x2.2
	Frame rate full resolution (fps)	8@1280x1024
	Frame rate other resolution (fps)	30@640x480
	Sensitivity	0.53 V/lux-second
	Signal/Noise Ratio (DB)	40.5
	Dynamic range (DB)	66.5
	ADC conversion	12 Bit
	Color Depth	8 Bit
	Exposure time	1.5 sec
	Binning	1x1
	IR filter	Yes
	IR filter range (nm)	680
	Camera Power	PC USB
	C-Mount	Yes
	C-Mount	165
Environment	Working Temperature	-10°C up to +50°C
specifications	Storage Temperature	-20°C up to +60°C
Specifications	Relative Humidity	30% to 80%
	Storage Humidity	10% to 60%
	Otorage Humany	1070 to 0070
Operating System	os	Windows 10 (64Bit)
charamis charam		randono to (c.2.i)
Available Software	SW	PROVIEW
Warranty	Years	2
Tablet	Operating system	Windows 10 (64Bit)
	CPU	Gemini-Lake, N4100
	CPU speed	1.10 GHz
	Graphic card	Intel® HD Graphics 600
	RAM	Ram 6 GB LPDDR3
	Display size	LED 10.1" IPS Multi Touch Screen
	Display resolution	1920x1200
	Storage	Hdd 128 GB
	Network	WiFi (2.4G / 5G) - Bluetooth 5.0
	Input porto	USB-C (1 USB2.0 for battery charge, 1 USB3.0) -
	Input ports	Micro SD card reader
	Output ports	Microphone - Headphone - Micro HDMI
	Battery Type	Lithium-ion
	Battery capacity	6500 mAh
	Power consumption	24.05W
	Power supply	12V 2A EU
	Dimensions (mm)	261 x 167 X 9
	Weight (Kg)	0.53
	Language	Multilanguage



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.