



*Digital video microscope, 400x,
rechargeable, N-PLAN objectives*

Main Body	Type	Upright
	Construction material	Aluminum die-cast
	with transportation handle	Yes
	Internal prism	Glass prism
	Optical system	Finite 160 mm
	LED indicator	Yes
	Optics with anti-fungus treatment	Yes

Head	Type	Monocular
	Inclination	30°
	Rotation	360°
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23

Eyepieces	Magnification	10x
	Field number (mm)	18
	High eyepoint (for glass wearers)	Yes
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	20

Nosepiece	Positions	Quadruple
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS

Objectives	Type	N-PLAN
	Correction	Plan Achromatic
	Parfocal distance (mm)	DIN 45
	Optical system	Finite 160 mm
	Standard magnifications	4x-10x-40x
		M-164
		M-165
		M-167

Stage	Dimensions (mm)	125x116
	Mechanical stage	Rack and pinion
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	Moving range (mm)	70x30
	X-Y movement	Yes
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1
	Type	Double layer
	Right / Left hand	Right

Condenser - Single Position	Type	Abbe
	Numerical aperture (N.A.)	0.9 / 1.25
	Aperture diaphragm	Iris
	Holder for color filters	Yes
	Centerable	Pre-centered
	Focusable	By rotation

Focusing System	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Coarse total travel (mm)	16
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	0,4
	Fine resolution (μm)	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes

Observation Method - Transmitted Light	Brightfield	Yes
	Simple polarized light	Optional

Transmitted Illumination	Type	X-LED
	X-LED type	X-LED1
	Light source power (W)	1
	Brightness control	Manual
	Kohler illumination	No
	Color Temperature (K)	6,300
	Lifetime (hours)	> 65,000
	Max. required power (W)	1,5

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	5 Vdc 2,5 A
	Use with batteries	Yes
	Rechargeable Battery	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
	Green filter	Yes
	User Manual	Digital version (downloadable)

Product Dimensions (footprint)	Width (mm)	145
	Depth (mm)	220
Product Dimensions (overall footprint)	Height (mm)	385
	Width (mm)	175
	Depth (mm)	275
Product Weight	(kg)	4
Camera General specifications	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	Height (mm)	150
	Width (mm)	180
	Depth (mm)	90
	Weight (kg)	0.360
Sensor	Camera resolution (n° of pixels: W x H)	1844x1080
	Color / Monochrome	Color
	Sensor Size	1/2.8"
	Sensor Technology	CMOS
	Sensor Type	MICRON CMOS
	Image Format	16:9
	Pixel Size (mm)	2.9x2.9
	Acquisition technology	Rolling shutter
	Exposure time	0-33333ms
	IR filter	Yes
	IR filter range (nm)	680
USB	Camera resolution (MP)	2
	Frame rate full resolution (fps)	30@1844x1080
Camera Power Supply	Type	External
	Connector	Jack, 2.1 mm
	Power plug type	Multiplug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60Hz
	Output voltage	5V 2,5A
	LED indicator	Yes
Available Software	Built-in Camera SW	S-Viewer
HDMI Monitor	Display size	7"
	Display resolution	1024x600
System accessories	SD card	4GB
	USB SD card reader	Yes
General	Built-in SW Specifications	
	Multi-language menu	Yes
	Available languages	
	Chinese	Yes
	English	Yes
	Russian	Yes

Image Acquisition	Continuous automatic exposure	Yes
	Manual exposure	Yes
	Color acquisition	Yes
	Gray-scale acquisition	Yes
	Manual Time-lapse	Yes
	White Balance	Auto/Manual
	Image enhancement	Yes
	Horizontal Flip	Yes
	Verical Flip	Yes
Image Processing	Grids	Yes
Measurements	Still image measurement	Yes
	Select measurement unit	Yes
	Available measurements	
	Line	Yes