

Digital stereomicroscope with 5 MP camera, precision fixed arm, 10x - 20x - 40x, touch panel, with rechargeable battery

Main Body	Type	Stereo
	Construction material	Aluminum die-cast + Plastic
	with trasportation handle	Yes
	Internal prism	Glass prism
	Optics with anti-fungus treatment	Yes
	Zoom type	Rotating turret
	Working distance (mm)	50

Head	Type	Binocular
	Construction	Siedentopf
	Built-in camera	Yes
	Inclination	45°
	Fixing screw for eyepieces	Yes
	Diopter adjustment	On both tubes
	Diopter compensation	±5
	Interpupillary distance (mm)	53-75
	Tube inner diameter (mm)	30.5

Eyepieces	Magnification	10x
	Field number (mm)	20
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	22
	Rubber cup	Yes

Objective	Type	ACH
	Correction	Achromatic
	Optical system	Greenough
	Standard magnifications	10x, 20x, 40x (rotating turret)
	Objective resolution	7 lp/mm @ 1x lens 19 lp/mm @ 2x lens 24 lp/mm @ 4x lens

Stand	Type	Precision fixed arm

Stage	Specimen clips	Yes
	Frosted diffusion plate for transmitted ill.	Yes, diam. 60 mm
	Black/white contrast plate for incident ill.	Yes, diam. 60 mm

Focusing System	Type	Coarse
	Focus modes	Coarse
	Coarse total travel (mm)	41
	Adjustable tension	Yes

Observation Method - Transmitted Light	Brightfield	Yes

Observation Method - Incident Light	Brightfield	Yes

Transmitted Illumination	Type	LED
	Light source power (W)	1
	Brightness control	Touch Panel
	Color temperature (K)	5,500
	Lifetime (hours)	> 65,000
	Max. required power (W)	1,5

Incident Illumination	Type	LED
	Light source power (W)	1
	Brightness control	Touch Panel
	Lifetime (hours)	> 65,000
	Temperature (K)	5,500
	Max. required power (W)	1,5

Power Supply for 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, not supplied
	Battery type	Ni-MH (3x, AA size), 1.2V, 1300mAh
	Working time of batteries (hours)	up to 8
	Charging time of batteries (hours)	8

Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)
	USB cable (m)	1,8

Product Dimensions	Total height (mm)	300
	Total width (mm)	180
	Total depth (mm)	225
	Base height (mm)	45
	Base width (mm)	180
	Base depth (mm)	225

Product Weight	(kg)	2.5

Camera General Specifications	USB output	Yes
	Dimensions (mm)	Built-in
	Weight (kg)	Built-in

Sensor	Camera resolution (n° of pixels: W x H)	2560x1920
	Color / Monochrome	Color
	Sensor Size	1/2.8"
	Sensor Technology	CMOS
	Sensor Type	APTINA CMOS
	Image Format	4/3
	Pixel Size (μm)	2x2
	Acquisition technology	Rolling shutter
	Sensitivity	1
	Exposure time	1ms -1s

USB	PC Camera resolution (MP)	5
	USB standard	USB2.0
	Frame rate full resolution (fps)	22@2560x1920

Camera Accessories	USB cable (1.8m)	Yes
Environment	Working Temperature	-10°C up to +50°C
	Storage Temperature	-20°C up to +60°C
	Relative Humidity	30% to 80%
	Storage Humidity	10% to 60%
Operating System	OS	Windows 7
	OS	Windows 10 (32Bit)
	OS	Windows 11
Available Software	PC SW	Capture
PC requirements	PC	CPU: Intel Core2 - 2.8GHz or higher
	PC	RAM: 2GB or more
	PC	USB 2.0
Software functions	SW	See "Software Function List"