



Digital stereomicroscope with 4 MP USB/LAN/WiFi camera, precision fixed arm, 10x - 20x - 40x, touch panel, with rechargeable battery

Observation Method - Transmitted Light	Brightfield	Yes
Observation Method - Incident Light	Brightfield	Yes
Head	Type	Binocular
	Construction material	Aluminum & Plastic molds / Aluminum gears
	Inclination	45°
	Interpupillary distance (mm)	53-75
	Diopter adjustment	On both tubes
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	30.5
Eyepieces	Field number (mm)	20
	Magnification	10x
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	20
	Rubber cup	Yes
Objective	Optical system	Greenough
	Anti-fungus treatment	Yes
	Objective Type	Achromatic
	Working distance (mm)	60
	Standard magnifications	10x, 20x, 40x (rotating turret)
	Objective resolution	7 lp/mm @ 1x lens 19 lp/mm @ 2x lens 24 lp/mm @ 4x lens
Focusing System	Type	Coarse
	Coarse total travel (mm)	41
	Adjustable tension	Yes
Stand	Type	Precision fixed arm
	Handle	Yes
Stage	Frosted diffusion plate for transmitted ill.	Yes, diameter 60 mm
	Black/white contrast plate for incident ill.	Yes, diameter 60 mm
	Specimen clips	Yes
Transmitted Illumination	Type	LED
	Light source power (W)	1
	Brightness control	Touch Panel

	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	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)	6,300
	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 500 mA
	LED indicator	Yes
	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
	Calibration slide	Yes
Additional Information	Maximum sample height (mm)	35
Product Dimensions	Total height (mm)	288
	Base height (mm)	45
	Base width (mm)	183
	Base depth (mm)	205
Product Weight	(kg)	2.5
Digital Head	Resolution (MP)	4
	Sensor type	CMOS
	Sensor size	1/1.8"
	Sensor aspect ratio	16/9
	Full image size	2688x1512
	Pixel size (µm)	2.9x2.9
	S/N ratio (dB)	43
	Dynamic range (dB)	61
	Sensitivity (V/lux*s @550nm)	No
	Exposure time (s)	0,6 - 1/1000
	USB type	Mini USB
	System requirements	Win 7 / Win 8 / Win 10 (32/64 bit) / Win 11
	Software	ProView
	Software	LiteView
	Software	Optika MobileView
USB	PC Camera resolution (MP)	4
	USB standard	Mini USB
	Frame rate full resolution (fps)	30@2688*1512
WiFi	WiFi resolution (MP)	4
	WiFi Frame rate full resolution (fps)	30@2688*1512
	WiFi Speed	802.11ac 150Mbps
	WiFi Signal	From the camera

	WiFi Antenna	Yes
	WiFi Signal ready	About 10 seconds after turning on
	WiFi mode	AP / STA
	Max Users connected to a single camera	3
	Max number of cameras in a room (AP mode)	6
	Max number of cameras in a room (STA mode)	Not fixed. 9 cameras must be connected to a router
Ethernet	Ethernet resolution (MP)	4
	Ethernet type	802.3ab