



*Digital video microscope, 400x,  
achromatic objectives*

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Simple polarized light	As optional
<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast
	Trasportation handle	Yes
<b>Head</b>	Type	Monocular
	Inclination	45°
	360° rotating	Yes
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
<b>Eyepieces</b>	Field number (mm)	18
	Magnification	10x
	Pointer	As optional
	Micrometric scale	As optional
<b>Nosepiece</b>	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
<b>Objectives</b>	Optical system	160
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-400x
	Type	Achromatic
		4x/0.10, W.D. 10.6 mm
		10x/0.25, W.D. 7.0 mm
	40x/0.65, W.D. 0.5 mm	
<b>Stage</b>	Type	Double layer
	Dimensions (mm)	125x125
	Moving mechanism	Rack and pinion
	Moving range (mm)	62x24

	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	X-Y movement	Yes
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1
<b>Condenser - Single Position</b>	Type	Abbe
	Numerical aperture (N.A.)	1.25
	Diaphragm	Iris
	Focusable	By rotation
<b>Focusing System</b>	Type	Coaxial coarse & fine
	Coarse total travel (mm)	23
	Fine total travel (per single rotation) (mm)	1,2
	Fine graduations	100
	Fine resolution ( $\mu\text{m}$ )	12
	Upper stop to prevent contact	Yes
<b>Transmitted Illumination</b>	Type	LED
	Light source power (W)	1
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	1,5
<b>Power Supply for Transmitted Illumination</b>	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
	Rechargeable batteries	Yes
	Battery type	Ni-MH (3x, AAA size)
	Working time of batteries (hours)	up to 8
Charging time of batteries (hours)	8	
<b>Accessories Included</b>	Dust cover	Yes
	User Manual	Digital version (downloadable)
<b>Product Dimensions</b>	Height (mm)	380
	Width (mm)	135
	Depth (mm)	235
<b>Product Weight</b>	(kg)	3
<b>Camera General specifications</b>	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	Dimensions (mm)	180 x 150 x 90
	Weight (kg)	0.360
<b>Sensor</b>	Camera resolution (n° of pixels: W x H)	1920x1080
	Camera resolution (MP)	2
	Frame rate full resolution (fps)	30@1920x1080
	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- 33333 ms
	IR filter	Yes
	IR filter range (nm)	680

<b>Monitor</b>	Display size	7"
	Display resolution	1024x600

<b>System Power Supply</b>	Type	External
	Connector	Jack, 2.1 mm
	Power plug type	Multiplug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60Hz
	Output voltage	5 Vdc 500mA
	LED indicator	Yes

<b>Available Software</b>	Camera SW	S-Viewer
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<b>System accessories</b>	SD card	4GB
	USB SD card reader	Yes