



*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
	Transportation 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	Fixed
	Dimensions (mm)	120x110
	Moving mechanism	As optional
	Material	Anti-scratch painting
	Specimen clips	Yes
	Slide number	1
<b>Condenser - Single Position</b>	Type	Fixed
	Numerical aperture (N.A.)	0.65
	Diaphragms	Iris

<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 (µm)	12
	Upper stop to prevent contact	Yes
	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	Multiplug (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>Additional Information</b>		Plane concave mirror (as optional).
<b>Product Dimensions</b>	Height (mm)	380
	Width (mm)	135
	Depth (mm)	235
<b>Product Weight</b>	(kg)	2,6
<b>DIGITAL HEAD WITH MONITOR</b>		
<b>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 (µm)	2.9x2.9
	Acquisition technology	Rolling shutter
	Exposure time	0- 33333 µs
	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	European
	Input voltage	100/240 Vac, 50/60Hz
	Output voltage	12 Vdc, 1000 mA
	LED indicator	Yes
<b>Available Software</b>	Camera SW	S-Viewer
<b>System accessories</b>	SD card	4GB
	USB SD card reader	Yes