



*Digital video microscope, 400x,
achromatic objectives*

Observation Method - Transmitted Light	Brightfield	Yes
	Simple polarized light	As optional
Main Body	Type	Upright
	Construction material	Aluminum die-cast
	Transportation handle	Yes
Head	Type	Monocular
	Inclination	45°
	360° rotating	Yes
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
Eyepieces	Field number (mm)	18
	Magnification	10x
	Pointer	As optional
	Micrometric scale	As optional
Nosepiece	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	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	
Stage	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

Condenser - Single Position	Type	Abbe
	Numerical aperture (N.A.)	1.25
	Diaphragm	Iris
	Focusable	By rotation
Focusing System	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Coarse total travel (mm)	23
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	1,2
	Fine resolution (µm)	12
	Upper stop to prevent contact	Yes
Transmitted Illumination	Type	LED
	Light source power (W)	1
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	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 2,5A
	Use with batteries	Yes, not supplied
	Battery type	Ni-MH (3x, AAA size), 1.2V, 650mAh
	Working time of batteries (hours)	up to 8
Charging time of batteries (hours)	8	
Accessories Included	Dust cover	Yes
	User Manual	Digital version (downloadable)
Product Dimensions	Height (mm)	380
	Width (mm)	135
	Depth (mm)	235
Product Weight	(kg)	3
Camera General specifications	SD Card Still image capture	Yes
	SD Card Video recording	Yes
	Dimensions (mm)	180 x 150 x 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	5 Vdc 500mA
	LED indicator	Yes
Available Software	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