TECHNICAL DATA

Microscope parts (lens, optical head, binocular tube with eyepieces)	
Optical head magnification, times available:	0.4×, 0.6×, 1×, 1.6×, 2.5×
Lens:	250 mm
	200 mm (objective)
	300 mm (objective)
	350 mm (objective)
	400 mm (objective)
Accurate smooth focusing range within	12 mm
Inclined binocular tube	45 deg
	angle 0° (objective)
	with variable angle of 0-180° (objective)
Oblique binocular extender	Objective
Block with apertures for increasing depth of field	Objective
Ring with rotary mechanism allowing turn monocular to ± 30° around the optical axis	Objective
Deliberative monocular	Objective
Interpupillary distance range	56 mm – 74 mm
Ocular diopter shift, diopter, NLT	12.5×/18 mm, diopter shift: ±5 d. 16×/14 mm (objective)

Magnification Range, degree	0.4	0.6	1	1.6	2.5
General magnification, degree	3.3	5.3	8.5	13.6	22
Resolution visual capacity, lens/mm, not less then	32	50	70	85	90
Field of view, mm	Ø66	Ø42	Ø26	Ø16	Ø10

Coaxial LED lighting with lever brightness control	≥60 000 lx
Filter	Orange
Light spot diameter (mm)	Ø70
Video system	960×720 px in live mode, getting photos with resolution of up to 2 million px

Holder		
First major shoulder	Length: 300mm Rotation angle 360°	
Second pantograph shoulder with gas shock absorbers	Length: 480mm Rotation angle 360° The range of vertical move ±230mm	
Third angular shoulder	Allows 3D rotation	
Height:	1750 mm	
Base dimensions	550×630×155 mm	
Electrical parameters		
Supply voltage	from a 50 Hz single-phase alternating current network	
Microscope's power consumption, W, NMT	17 V	
Class of shock hazard protection:	II, type BF	
Operation terms	Temperature	+10°C – +40°C
	Relative air humidity	30% – 75%
	Atmospheric pressure	700 gPa – 1060 gPa