



RED 200 SERIES

RED-220



The Motic RED-line is the result of years of global market investigation, innovation and technologies. You can expect from the RED-line with excellent optics, unique features and precision mechanics with a slight touch of the company color: RED.

Red 220 is designed for advanced biology students, teachers, professors, doctors and lab technicians. Red 220 uses Achromatic Super Contrast (ASC) objectives which produces crisp clear images over a 20mm field of view. All Red 220 come with ASC 4X, 10X, 40X and 100X/oil objectives. The 40X and 100X-oil objectives come with an integrated spring mechanism, preventing damage to the front lens and specimen in case of direct contact.

RED 220 Specification Details	
Optical system	Finite Optical System, 160mm
Observation tube	Binocular head Siedentopf type
Inclination	30 inclined, 360 rotating
Interpupillary distance	55-75mm
Eyepiece(s)	WF 10X / 20mm
Nosepiece	Reversed quadruple revolving nosepiece with click stops
objective classification	ASC Achromatic Super Contrast, DIN
Objective information	4X / 0.10 (WD 17mm), 10X / 0.25 (6.4mm), 40X / 0.65/S (WD 045mm), 100 / 1.25/S (WD 0.14)
Objective mounting thread	W 4/5" x 1/36" (RMS standard)
Stage	Built-in low position coaxial mechanical stage with sample holder
Stage size	140 X 135mm
Mechanical stage X & Y range	77 x 50mm
Upper limit stop	Preset and adjustable
Condenser	Spiral mounted 1.25 N.A. Abbe Condenser with iris diaphragm
Focus mechanism	Coaxial coarse and fine focusing system
Fine focus precision	2um minimum increment
Z-axis movement	13mm
Filter	Built-in frosted glass
Illumination	LED 3W with intensity control
Transformer	Internal
Power supply	100-240V, 50-60Hz
Accessories included	Dust cover and immersion oil (5ml)
Length x Width x Height	260 x 175 x 354
Weight (kg)	5.7 kg