



Specification
Sheet

Motic®
MORE THAN MICROSCOPY

RED100 Series

RED50X PLUS





RED LINE - RED100 Series

RED50X PLUS

Optical system	Finite optical system, 160mm
Observation tube	Monocular head with photo tube
Inclination	30° inclined, 360° rotating
Eyepieces	Widefield WF10X/18mm
Nosepiece	Reversed triple
Objective classification	Achromatic, DIN
Objectives	4X/0.10, 10X/0.25, 40X/0.65/S
Objective mounting thread	W 4/5"x1/36" (RMS standard)
Stand type	Upright
Stage	Gliding stage with "one-touch" sample clips
Stage size	Ø105mm
Condenser	Built-in condenser lens N.A. 0.65
Diaphragm	Disc diaphragm
Focus mechanism	Coarse focusing system
Focusing stroke	8mm
Upper limit stop	Upper limit stop preset but adjustable
Filter	Built-in frosted glass
Transmitted illumination	LED 3.5V/70mW with intensity control
Transformer	External
Power supply	110-240V (CE)
Accessories included	Dust cover, calibration slide, C-Mount adapter 0.5X
Dimensions LxWxH	175x153x334mm
Net weight	2.75kg
Camera	
Sensor type	CMOS
Sensor size	1/3"
Capture resolution	4MP (2560x1440 pixels)
Live display mode through Wi-Fi	1280x720, 1920x1080 pixels (Full HD)
Live display mode through ethernet	1280x720, 1920x1080 pixels (Full HD)
Data transfer	Wi-Fi (2.4 & 5 GHz), Ethernet
Software	Motic Images Plus 3.1 for Windows 10, MAC OSX10.9 or higher, MotiConnect App for iOS and Android