



BA50 & 80 Series

# BA50X PLUS





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<b>Optical system</b>	Finite optical system, 160mm
<b>Observation tube</b>	Monocular head with photo tube
<b>Inclination</b>	30° inclined, 360° rotating
<b>Eyepieces</b>	Widefield WF10X/18mm with pointer
<b>Nosepiece</b>	Reversed triple
<b>Objective classification</b>	Achromatic, DIN
<b>Objectives</b>	4X/0.10, 10X/0.25, 40X/0.65/S
<b>Objective mounting thread</b>	W 4/5"x1/36" (RMS standard)
<b>Stand type</b>	Upright
<b>Stage</b>	Gliding stage with "one-touch" sample clips
<b>Stage size</b>	Ø105mm
<b>Condenser</b>	Built-in condenser lens N.A. 0.65
<b>Diaphragm</b>	Disc diaphragm
<b>Focus mechanism</b>	Separate coarse and fine focusing system
<b>Fine focus precision</b>	2µm
<b>Focusing stroke</b>	8mm
<b>Upper limit stop</b>	Upper limit stop preset but adjustable
<b>Filter</b>	Built-in frosted glass
<b>Transmitted illumination</b>	LED 3.5V/70mW with intensity control
<b>Transformer</b>	External
<b>Power supply</b>	110-240V (CE)
<b>Accessories included</b>	Dust cover, calibration slide, C-Mount adapter 0.5X
<b>Dimensions LxWxH</b>	175x153x334mm
<b>Net weight</b>	2.75kg
<b>Camera</b>	
<b>Sensor type</b>	CMOS
<b>Sensor size</b>	1/3"
<b>Capture resolution</b>	4MP (2560x1440 pixels)
<b>Live display mode through Wi-Fi</b>	1280x720, 1920x1080 pixels (Full HD)
<b>Live display mode through ethernet</b>	1280x720, 1920x1080 pixels (Full HD)
<b>Data transfer</b>	Wi-Fi (2.4 & 5 GHz), Ethernet
<b>Software</b>	Motic Images Plus 3.1 for Windows, OSX and Linux, MotiConnect App for iOS and Android