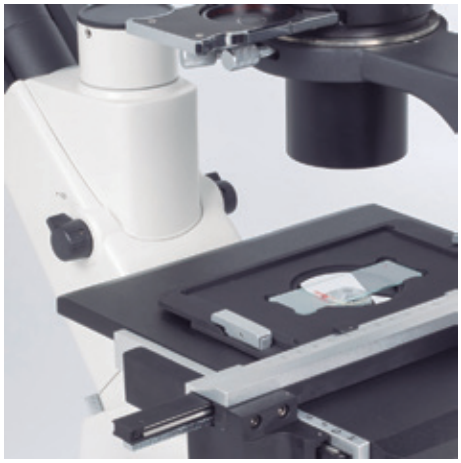
Specification
Sheet

Motic®
MORE THAN MICROSCOPY

AE31E Series

AE31E TRINOCULAR



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Optical system	Colour Corrected Infinity Optical System (CCIS®)
Observation tube	Trinocular head, Siedentopf type, 360° swiveling
Inclination	45° inclined
Trinocular light split	100:0/20:80 (optional 100:0/0:100)
Interpupillary distance	48-75mm
Diopter adjustment	On both eyepieces, +/- 5 diopter
Eyepieces	Widefield WF10X/22mm with diopter adjustment
Nosepiece	Left side facing quintuple
Objective classification	CCIS® Plan Achromatic, DIN
Objectives	4X/0.10 (WD 12.6mm), PH10X/0.25 (WD 4.1mm), LWD PH20X/0.30 (WD 4.7mm), LWD PH40X/0.50 (WD 3.0mm)
Objective mounting thread	W 4/5"x1/36" (RMS standard)
Stand type	Inverted
Stage	Plain stage with metal and glass stage inserts
Stage size	200x239mm
Condenser	Focusable and centerable ELWD condenser N.A. 0.30 (WD 72mm)
Diaphragm	Iris diaphragm
Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Fine focus precision	2µm
Focusing stroke	10mm
Free working distance	Working distance without condenser 231mm
Transmitted illumination	Koehler Quartz halogen 6V/30W with intensity control
Illumination interchangeability	Quartz halogen 6V/30W or LED 3W
Illumination features	Auto-OFF and Light Memory function
Transformer	Internal
Power supply	100-240V (CE)
Accessories included	Dust cover, power cord, Allen key, blue, green interference and ground glass filters, phase ring Ph1, centering telescope, centering keys, spare fuse
Dimensions LxWxH	556x200x529mm
Net weight	11.7kg