

PA53 MET Series

PA53MET-BD-T-3D





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Optical system	Colour Corrected Infinity Optical System (CCIS®)
Observation tube	Trinocular head, Siedentopf type
Inclination	20° inclined
Trinocular light split	100:0/0:100 erect image
Interpupillary distance	50-75mm
Diopter adjustment	On both eyepieces, +/- 4 diopter
Eyepieces	Widefield WF10X/25mm with diopter adjustment
Intermediate body	Epi-illuminator quartz halogen 100W with integrate field and aperture diaphragms, slots for filters, filters ND6, LBD and BF/DF module
Nosepiece	Reversed quintuple, coded for brightfield and darkfield objectives with DIC slot
Objective classification	CCIS® Plan S-Apochromatic BD
Objectives	5X/0.15 (WD 20mm), 10X/0.3 (WD 12mm), 20X/0.45 (WD 3mm), 50X/0.8 (WD 1mm)
Objective mounting thread	M26X0.706
Stand type	Upright. 3D profiling system, motorized Z-axis (stroke 30mm) with control box and control pad
Stage	Mechanical stage, hard coated with built-in low position coaxial stage control and glass stage plate
Stage size	210x170mm
Travel range X&Y	104x102mm (4"x4")
Condenser	Focusable and centerable LWD condenser N.A. 0.65
Diaphragm	Iris diaphragm
Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Fine focus precision	1µm
Focusing stroke	29.5mm - Coarse: 17.7mm/revolution - Fine: 0.1mm/revolution (1µm scale)
Upper limit stop	Upper limit stop preset but adjustable
Filter	ND6, ND25, LBD
Filter holder	Integrated filters
Incident illumination	Köhler Quartz halogen 12V/100W for BF, DF, DIC, POL with intensity control
Transmitted illumination	Köhler Quartz halogen 12V/100W with intensity control
Illumination features	Power saving mode ECO function, LED voltage indicator and Intelligent Light function
Cámara Moticam S6	Sensor type sCMOS, sensor size 1/1.8", capture resolution 6MP, live display mode through USB 3072x2048, 1536x1024 pixels, progressive scan mode, rolling shutter mode, USB 3.1 data transfer
Software	Analysis Professional
Transformer	Internal
Power supply	110-240V (CE)
Dimensions LxWxH	572x246x514
Net weight	19kg