

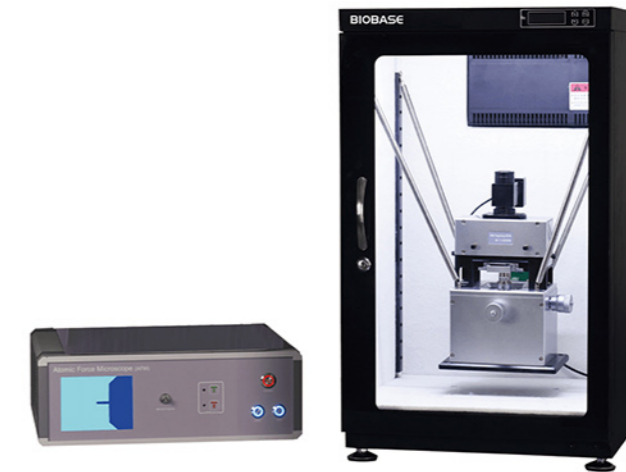
Biological Microscope



Technical Parameters:

Model	BM-2CBAD	BM-2CBAP	BM-8CAD	BM-8CAP
Viewing Head	Trinocular head, inclined at 30°, 360° rotatable, Interpupillary 55~75mm, Mechanical tube length 160mm			
Eyepiece	P10X/18mm, P16X/11mm			
Objective	4X N.A=0.10 WD=37.5mm 10X N.A=0.25 WD=7.31mm 40X N.A=0.65 WD=0.63mm 100X(Oil) N.A=1.25 WD=0.18mm			
Stage	Mechanical Stage 130*125mm, Moving Range 70*30mm, Cursors 0.1mm		Mechanical Stage 140*140mm, Moving Range 75*40mm, Cursors 0.1mm	
Focusing	Coaxial Coarse & Fine Adjustable System, Range 15mm, Fine Division 0.002mm		Coaxial Coarse & Fine Adjustable System, Range 30mm, Fine Division 0.002mm	
Condenser	N.A.1.25 Adjustable Medium Abbe condenser with variable light bar			
Filter	Blue, yellow, green			
Illumination	LED dual-color light source, adjustable brightness			
Imaging System	Digital CMOS camera, 2M pixels, with geometric measurement and analysis software, C interface	9-inch large screen display	Digital CMOS camera, 5M pixels, with geometric measurement and analysis software, MCL-Z adapter lens	10.5-inch screen Android tablet with special adapter lens
Power Supply	AC85~240V, 50/60Hz			
Package Size(W*D*H)	355*245*590mm	365*255*610mm	425*330*450mm	
Net Weight	6kg	6kg	8kg	10kg
Gross Weight	6.5kg	6.5kg	8.5kg	10.5kg

Atomic Force Microscopy



Features:

- * Integrated scanning-probe and sample-stage enhances the anti-interference ability of the spring suspension system.
- * Precision laser and probe positioning device makes probe changing and spot adjusting simple and convenient.
- * The sample-to-probe auto-approaching provides an efficient way to prevent cantilever crash.
- * The vertical sample probe approaching allows achieving precise positioning of area of interest.
- * Sample scanning area of interest may be freely selected with a high-precision/wide-range XY table.
- * Top-view CCD system warrants real-time observation and positioning of the probe on the selected sample region.
- * Modular design of electronic control system facilitates maintenance and continuous improvements.
- * The compact model 2000 may be easily transported inside an aluminum luggage.
- * The hermetic box in model 1000 provides a controlled environment.

Technical Parameters:

Model	BK-AFM1000
Working Modes	Contact mode, tapping mode Optional modes: Friction/lateral force, amplitude/phase, magnetic/electrostatic force
Sample Stage Travel Range	15*15mm
Optical Observation	4X optical objective lens/2.5μm resolution
Force Spectroscopy Curves	F-Z force curve, RMS-Z curve
Scanning Rate	0.6~30Hz
XY Scanning Range	Standard: 20*20μm, optional: 50*50μm, 100*100μm
Scanning Angle	0~360°
Z Scanning Range	Standard: 2.5μm, optional: 5μm, 10μm
Operating System	Windows XP/7/8/10
Scanning Resolution	Lateral 0.2nm, vertical 0.05nm
Communication Interface	USB 2.0/3.0
Sample Size	φ≤90mm, H≤20mm
Anti-Vibration Design	Spring suspension/metal shielding box
Power Supply	AC220, 50/60Hz(Standard); AC110, 50/60Hz(Optional)
Packing Size(W*D*H)	550*550*1105mm
Gross Weight	65kg