

Lab & Medical Equipment



MICROSCOPE

BIOBASE GROUP

Add: No.9 Gangxing Road, High-tech Zone,
Jinan City, Shandong Province, China
Tel: +86-531-81219803 Fax: +86-531-81219804
E-mail: export@biobase.com
Website: www.biobase.cc / www.biobase.com



Digital Biological Microscope

Features:

- * The integration of structure design, to save space.
- * Valid mouldproof design, it can be used under the high temperature and high humidity environment.



Technical Parameters:

Model		DM-125	DM-300M
Optical System	Infinite Optical System	/	√
	Finite Optical System	√	/
Viewing Head	Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	√	/
	Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	●	/
	Seidentopf Binocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	/	√
	Seidentopf Trinocular Viewing Head, 30° Inclined, Interpupillary 48-75mm	/	●
	MD101Microscope Camera with HD Monitor, 5M pixels, Colour CMOS	●	●
Eyepiece	Wide Field Eyepiece WF 10×/18	√	√
	Extra Wide Field Eyepiece EW10×/20 with Diopter Adjustment	/	●
Objective	Achromatic Objective 4×,10×,40×,100×	√	/
	Infinite Semi-plan Achromatic Objectives 4×,10×,40×,100×	/	√
	Infinite Plan Achromatic Objectives 4×,10×,40×,100×	/	●
Nosepiece	Backward Quadruple Nosepiece	√	/
	Quadruple Nosepiece	/	√
Stage	Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	√	√
Condenser	NA1.25 Abbe Condenser	√	/
	Sliding-in Centerable condenser NA1.25	/	√
	Dark Field Condenser (Dry, Oil)	●	/
Focusing System	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	/	√
	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 25mm	√	/
Illumination	6V/ 20W Halogen Lamp, Brightness Adjustable	●	●
	S-LED Illumination, Brightness Adjustable	√	√
Accessories	Phase Contrast Kit, Fluorescent Attachment, Polarization Set	●	●
Power Supply	AC 110~220V, 50/60HZ	√	√
Packing Size(mm)	380*270*470mm (DM-125 Main body) 350*350*640(DM-300M)	√	√
Gross Weight(kg)	8.5(DM-125 Main body); 12(DM-300M)	√	√

Note: √ Standard Outfit, ● Optional, \ Without this feature Trinocular microscope can be installed camera and screen.

Build-in Camera Biological Microscope



Technical Parameters:

Model				BMB-117M	BMB-300M
Viewing Head	Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm			√	√
	Camera System	Valid Pixel	1280*1024(1.3M Pixel)	√	/
			1600*1200(2.0M Pixel)	●	/
			2048*1036(3.0M Pixel)	/	●
			2052*1944(5.0M Pixel)	/	√
		Output Mode	USB2.0	√	√
		Operation System	WINDOWS7/8 2000 / XP/ VISTA	√	√
Software	ScopelImage 9.0	√	√		
Range of Viewing Field	>90%(BMB-117M); 18mm(BMB-300M)			√	√
Eyepiece	WF10×/18			√	√
	P16×/11			●	/
	Extra wide filed eyepiece EW10×/20 with diopter adjustment			/	●
Objective	Achromatic Objective 4×, 10×, 40×, 100×			√	/
	Infinite plan Achromatic Objective 4×, 10×, 40×, 100×			/	√
	Infinite Plan Achromatic Phase Objective 10×,20×,40×,100×			/	●
	Oil Darkfield Objective with Iris Diaphragm 100×(NA0.36-1.25)			/	●
Nosepiece	Backward Quadruple Nosepiece			√	/
	Quintuple Nosepiece			/	●
	Quadruple Nosepiece			/	√
Stage	Double Layers Mechanical Stage 140*140mm, Moving range 75*50mm			√	√
Condenser	Abbe NA1.20 with Iris Diaphragm & Fliter			√	/
	Swing Condenser N.A.0.9/0.25			/	√
	Turret Phase Contrast Condenser			/	●
	Dark Field Condenser (Dry)			/	●
	Dark Field Condenser (Oil)			/	●
Focusing	Coaxial Coarse & Fine Adjustment System, Range 24mm, Fine Division 0.004mm			√	/
	Coaxial Coarse & Fine Adjustment System, Range 20mm			/	√
Illumination	LED 3W, Brightness Adjustable			√	/
	Halogen Lamp 6V/20W, Brightness Adjustable			●	/
	S-LED Powerful Illumination			/	√
Power Supply	AC 110~220V, 50/60HZ			√	√
Accessories	Phase Contrast Kit			●	●
	Dark-Field Attachment			●	●
	Polarization Attachment			●	●
Package Size	396*262*492(BMB-117M), 334X334X533(BMB-300M)			√	√
Gross Weight	7.5kg (BMB-117M), 12.5kg (BMB-300M)			√	√

Note: √ Standard Outfit, ● Optional, \ Without this feature

Fluorescence Biological Microscope



Technical Parameters:

Model	XY-1/XY-2
Viewing Head	Binocular head (XY-1), Trinocular head (XY-2)
Fluorescent Straight Illumination	B(Blue), G(Green) exciting light filter system O ordinary light system 100W HBO super high-pressured spherical mercury lamp
Protection Screen	Screen to resist the UV
Power	AC input 220V
Connecting Wire	With 2 connectors
Fluorescent Free Objective	10X, 20X, 40X(S), 100X(S, Oil)
Immersion Oil	Fluorescent free oil
Power Supply	AC110/220V±10%, 50/60Hz
Package Size	440*340*220mm (XY-1)/460*350*250mm (XY-2)
Gross Weight	17kg

Note: 110V/220V for LED lamp

Optional: 6.3 or 20 Megapixel, COMOS electronic eyepiece, Ultraviolet, Violet exciting light filter system and ordinary light system. Auxiliary exciting filter EX450-490.

Polarizing Biological Microscope



Features:

With the features of easy operation, complete functions and economy, it is an ideal instrument in geology, petroleum, coal, chemicals and physic fields. It is also widely used in academic demonstration and scientific research.

Technical Parameters:

Model		BMP-107B	BMP-107T
Viewing Head	Sliding binocular head at 45°, 360° rotatable	√	\
	Sliding trinocular head at 45°, 360° rotatable	\	√
Eyepiece	Eyepiece WF10×/18 with scale of crosshair	√	√
	Eyepiece WF10×/18	√	√
Objective	Strain free achromatic objective 4×, 10×, 40×	√	√
Nosepiece	Toward quadruple nosepiece, center adjustable	√	√
Analyzer	Rotatable analyzer with gradation 0°~90°	√	√
Bertrand Lens	Bertrand lens, sliding in/ out of optical path	√	√
Optical Compensator	λ slip(first class red)	√	√
	1/ 4λ slip	√	√
	Quartz wedge	√	√
Revolving Round Stage	Diameter Φ160mm, graduated in1° increments, Minimum resolution 6' when using vernier scale	√	√
Condenser	Abbe condenser with Iris diaphragm & filter	√	√
Focusing	Coaxial coarse & fine adjustment, range 28mm, fine division 0.002mm	√	√
Polarizer	Sliding in/out of optical path, located on the top of collector	√	√
Illumination	6V/ 20W halogen lamp, brightness adjustable	√	√
Power Supply	AC 110~220V, 50/60HZ	√	√
Package Size	327*273*425mm	√	√
Gross Weight	7.5kg	√	√

Note: √ Standard Outfit, ● Optional, \ without this feature Trinocular microscope can be installed camera and screen.

Inverted Biological Microscope



- Features:
- * Excellent optical function with infinite optical system.
 - * Innovative stand structure, sharp image display, convenient operation and special design for viewing incubating cell tissue.

Technical Parameters:

Model	BMI-100		
Optical System	Infinite optical system		√
Viewing Head	Trinocular head inclined at 30°, interpupillary distance 48~75mm		√
Eyepiece	High-point, extra wide field eyepiece EW10×/ 22		√
Objective	LWD infinite plan objective	4×/ 0.1, WD 17.3mm;	√
		10×/ 0.25, WD 10mm;	●
		20×/ 0.4, WD 5.1mm;	●
		40×/ 0.6, WD 2.1mm	√
	Infinite plan phase objective	PH10×/ 0.25, WD 10mm;	√
		PH20×/ 0.4, WD 5.1mm;	√
		PH40×/ 0.65, WD 2.1mm	●
Nosepiece	Quintuple nosepiece		√
Condenser	ELWD condenser NA 0.3, LWD 72mm (without condenser 150mm)		√
Centering	Centering telescope (Φ30MM)		●
Phase Annulus	10×-20×, 40× phase annulus plate (fixed)		√
	10×-20×, 40× phase annulus plate (adjustable)		●
Stage	Plain stage 160×250mm		√
	Glass insert		√
	Attachable mechanical stage, X-Y coaxial control, moving rang120×78mm		●
	Auxiliary stages70×180mm		√
	Terasaki holder		●
	Φ35mm petri dish holder		●
	Φ54mm slide glass holder		●
	Φ90mm petri dish holder		●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range up 8mm, down 3mm		√
Illumination	Halogen lamp 6V/ 30W		√
	LED		●
Filter	Blue, green and ground glass, diameter 45mm		√
Power Supply	AC 110~220V, 50/60HZ		√
Accessories	Inverted flurescent attahement FL-100, photo attachment, video adapter with C mount		●
Package Size	468*397*665mm		√
Gross Weight	15.5kg		√

Note: √ Standard Outfit, ● Optional Trinocular microscope can be installed camera and screen.

Inverted Biological Microscope



Technical Parameters:

Model	BMI-202		
Optical System	Infinite optical system		√
Viewing Head	Seidentopf trinocular viewing head, Inclined at 45°, 360° rotatable, Interpupillary 48~75mm		√
Eyepiece	wide field eyepiece WF10×/22, eyepiece tube diameter 30mm		√
	Wide field eyepiece WF15×/16		●
	Wide field eyepiece WF20×/12		●
Objective	LWD infinite plan achromatic objective 4×/0.10 WD=22		√
	LWD infinite plan achromatic phase objective	10×/0.25 WD=6	√
		20×/0.4 WD=3.1	√
		40×/0.55 WD=2.2	√
	High-level phase contrast objective	10×/0.25 WD=6	●
		20×/0.4 WD=3.1	●
		40×/0.55 WD=2.2	●
	Lamp house adjustment objective		●
Nosepiece	Backward quintuple nosepiece		√
Condenser	ELWD condenser NA0.3, LWD72mm(without condenser 150mm)		√
Centering Telescope	Centering telescope(φ30mm)		√
Phase Annulus	10×, 20×, 40× phase annulus plate(adjustable)		√
Stage	Plain stage 230×170		√
	Glasse insert		√
	Attachable mechanical stage, X, Y coaxial control, moving rang 80×120mm		√
	Auxiliary stage		√
	Terasaki holder		√
	Petri dish holder φ38		√
	Petri dish holder φ54		√
Focusing System	Coaxial coarse and fine adjustment, fine division 0.002mm, moving range up 4.5mm down 4.5mm		√
Illumination	6V, 30W halogen lamp, brightness adjustable		√
Filter	Blue, green and ground glass, diameter 45mm		√
Power Supply	110~220V, 50/60Hz		√
Accessories	Photo attachment		●
	C Mount 0.4×		●
	Epi-Fluorescent attachment		●
Package Size	630*350*620mm		√
Gross Weight	15kg		√

Note: √ Standard Outfit, ● Optional Trinocular microscope can be installed camera and screen.

Multi-function Biological Microscope



BMM-1000



BMM-2000

Technical Parameters:

Model		BMM-1000	BMM-2000
Optical System	Infinite optical system	/	√
Viewing Head	Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75mm	√	√
	Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75mm	•	•
Eyepiece	WF10×/18	√	\
	P16×/11	•	\
	WF10×/20	\	√
	WF15×/16	\	•
Objective	Achromatic objective 4×, 10×, 40×, 100×	√	\
	Plan achromatic objective 4×, 10×, 40×, 100×	•	\
	Infinite plan achromatic objective 20×, 60×	\	•
	Infinite plan achromatic objective 4×, 10×, 40×, 100×	•	√
Nosepiece	Quadruple nosepiece	√	\
	Backward quadruple nosepiece	\	√
	Backward quintuple nosepiece	\	•
Focusing	Coaxial coarse & fine adjustment, fine division 0.002mm, coarse stroke 37.7mm per rotation, fine stroke 0.2mm per rotation, moving range 20mm	√	√
Stage	Double layers mechanical stage: 132*142mm, moving range: 75*40mm	√	\
	Rectangular 230*150mm stage, moving range: 78*54mm, using low-positioned X/Y coaxial control knob	\	√
Condenser	Abbe condenser NA1.25 with aperture diaphragm	√	√
Illumination	S-LED Illumination, brightness adjustable	√	√
	12V/20W Halogen lamp, brightness adjustable	•	•
Power Supply	Kohler illumination	•	•
	110~220V, 50/60Hz	√	√
Accessories	Photo attachment, video attachment	•	•
	Dark field condensor	•	\
	Polarization set, phase contrast kit	\	•
Package Size	323*264*440mm(BMM-1000), 380*260*510mm(BMM-2000)	√	√
Gross Weight	6.5kg(BMM-1000), 10kg(BMM-2000)	√	√

Note: √ Standard Outfit, • Optional, \ Without this feature

Economical Biological Microscope



BME-500D



BME-500E



BME-500SM



BME-500V

Technical Parameters:

Model	BME-500D	BME-500E	BME-500SM	BME-500V
Viewing Head	Monocular Head Inclined at 45°, 360° rotatable	Compensation Free Binocular Head Inclined at 30°, 360° rotatable	Compensation Free Trinocular Head, 360° rotatable	Dual viewing head, one tube 30°, inclined and another tube vertical, 360° rotatable
Achromatic Objectives	4X, 10X, 40X(Spring), 100X(Spring, Oil)			
Eyepiece	Wide Field Eyepiece: WF10X, (WF16X optional)			
Stage	Double Layer Mechanical Stage Size 120X125mm			
Focusing	Coaxial Coarse and Fine Adjustment, Focusing Range 30mm, Focusing Interval 0.002mm			
Condenser	Abbe NA=1.25 with Iris Diaphragm&Filter			
Illumination	LED(1W) Lamp 220V or 110V, (LED 3W lamp optional)			
Power Supply	AC110/220V±10%, 50/60Hz			
Package Size	450*360*240mm			
Gross Weight	5kg			

Note: Trinocular microscope can be installed camera and screen. 110V/220V for LED lamp.

XS-208 Series Laboratory Biological Microscope



Technical Parameters:

	Specification	Model					
		XS-208A	XS-208B	XS-208C	XS-208AP	XS-208BP	XS-208AB
Viewing Head	Sliding Binocular Head Inclined at 45°	√					
	Sliding Trinocular Head Inclined at 45°		√				
	Compensation Free Binocular Head inclined at 30°				√		√
	Compensation Free Trinocular Head inclined at 30°			√		√	
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	Wide Field Plane-scope Eyepiece: WF10X/18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)	√	√			√	√
	Infinite Plan Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)			√	√		
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm&filter, rack&pinion adjustment	√	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W,Power Suooly 90~230V	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Optional Accessories	Dark field condenser, Phase contrast kit	√	√	√	√	√	√
Package	Carton with foam	√	√	√	√	√	√
Package Size	250*360*460mm	√	√	√	√	√	√
Gross Weight	8kg	√	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp.
 Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope).

XSB-Series Laboratory Biological Microscope



Technical Parameters:

	Specification	Model				
		XSB-301P	XSB-301B	XSB-103B	XSB-102B	XSB-301A
Viewing Head	Compensation Free Binocular Head inclined at 30°			√		
	Compensation Free Trinocular Head inclined at 30°	√	√			
	Sliding Binocular Head inclined at 45°				√	
	Sliding Trinocular Head inclined at 45°					√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√
Eyepiece	Wide Field Plane-scope Eyepiece: WF10X18mm	√	√	√	√	√
Objective	Plan Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)	√				
	Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)		√	√		√
	Achromatic 10X, 20X, 40X(Spring)100X(Spring, Oil)				√	
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√	√
Condenser	Abbe NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustment	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W, Power Suooly 220V	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√
Optional Accessories	Dark field condenser, Phase contrast kit, Constant temperature platform	√	√	√	√	√
Package	Each set in styrofoam, to carton for safety	√	√	√	√	√
Package	Carton with foam	√	√	√	√	√
Package Size	240*340*400mm	√	√	√	√	√
Gross Weight	7kg	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp
 Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

BX-Series Laboratory Biological Microscope



BX-101A BX-101B BX-102A BX-102B BX-102C BX-103C

Technical Parameters:

	Specification	Model					
		BX-101A	BX-101B	BX-102A	BX-102B	BX-102C	BX-103C
Viewing Head	Monocular Head inclined at 45°	√					
	Dual Observation 45°, -90° inclined and vertical 360° rotatable		√				
	Sliding Binocular Head inclined at 45°			√	√		
	Compensation Free Binocular Head inclined at 30°					√	
	Sliding Free Trinocular Head inclined at 45°						√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√	√
Eyepiece	Wide Field Plane-scope Eyepiece: WF10X 18mm	√	√	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(Spring)100X(Spring, Oil)	√	√	√	√	√	√
Stage	Double Layer Mechanical Stage 115*125mm moving range 30*50mm	√	√	√	√	√	√
Condenser	Abbe NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	√	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W ,Power Suooly 220V,3W LED	√	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√	√
Package	Cartoon with foam	√	√	√	√	√	√
Package Size	230*360*460mm	√	√	√	√	√	√
Gross Weight	6kg	√	√	√	√	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp
Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Inverted Microscope



XDS-403 NIB-100

Technical Parameters:

Model	Specifications	XDS-403	NIB-100
Viewing Head	Trinocular viewing head, inclined at 45°	√	
	Trinocular viewing head, inclined at 30°		√
Eyepiece	WF10X/20mm	√	
	EW10X/22mm		√
Objective	LWD Plan objective 4X,10X,20X, 40X	√	
	LWD Infinite plan objective 4X,10X,20X, 40X		√
	Infinite plan phase objective 10X,20X, 40X		
Stage	Double layers mechanical stage, stage size:242*172mm, central stage:φ110mm, moving range: 75*50mm	√	
	Plain stage: 160*250mm, glass insert, attachable mechanical stage, X-Y coaxial control, moving range: 120*78mm Auxiliary stage 70*180mm, Terasaki holder, Petri dish holderφ35mm/φ54mm/φ90mm, slide glass holder φ54mm		√
Condenser	NA 0.3 Abbe condenser W.D. 75mm	√	
	ELWD Condenser NA 0.3, LWD 72mm (without condenser 150mm)		√
Interpupillary Distance	50-75mm/48-75mm	√	√
Focusing	Coaxial coarse& fine adjustment, fine division 0.002mm	√	√
Phase contrast sliding plate	Center of phase contrast ring plate adjustable	√	
	10X, 20X, 40X phase annulus plate (fixed)		√
	10X, 20X, 40X phase annulus plate (adjustable)		
Center telescope	Center telescope	√	
	Center telescope(φ30mm)		√
Illumination	Halogen lamp 12V/30W, adjustable brightness	√	
	LED lamp 3W/Halogen lamp 6V/30W		√
Filter	Blue, green, yellow and frosted glass	√	
	Blue, green and frosted glass		√
Optional accessories	B, G wave band, 220V(110V)/100W Fluorescent Mercury lamp; photograph connecting tube, adapter with MD or PK mount, 4X photograph eyepiece	√	
	Inverted fluorescent attachment, photo attachment, video adapter with C mount		√
Power Supply	AC110/220V±10%, 50/60Hz	√	√
Package Size	350*250*508mm(XDS-403), 468*397*665mm(NIB-100)	√	√
Gross Weight	15kg	√	√

Note: 110V/220V for LED lamp, 220V only for Halogen lamp
Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Metallurgical Microscope



XJD-100



XJD-200



XDS-1

Technical Parameters:

	Specification	Model				
		XJD-100	XJD-200	XDS-1	XDS-2	4XC
Viewing Head	Monocular Head Inclined at 45°	√				
	Sliding Binocular Head Inclined at 45°		√			
	Sliding Trinocular Head Inclined at 45°			√		
	Compensation Free Trinocular Head30°				√	√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√	√
Eyepiece	WF10X,WF12.5X	√	√	√		
	WF10X20mm				√	√
Objective	Metallurgical objectives 10X, 40X, 100X(S, Oil)	√	√	√		
	Infinity metallurgical objectives 4X, 10X, 20X(S), 40X				√	√
Stage	Double Layer Mechanical Stage 242*172mm moving range 75*50mm				√	√
	Double Layer Mechanical Stage 135*140mm moving range 70*50mm	√	√	√		
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism fine focusing scale value 0.002mm	√	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W,	√	√	√	√	√
Filter	Blue, Green, Yellow	√	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√	√
Package Size	300*400*520mm	√	√	√	√	√
Gross Weight	12kg	√	√	√	√	√

Note: 110V/220V for LED lamp , 220V only for Halogen lamp
 Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Metallogical Microscope



Technical Parameters:

Model		MM-5000
Optical System	Infinite optical system	√
Extra Wide Field Eyepiece	EW10×/22	√
	EW10×/20 eyepiece with scale of cross hair	√
	EW15×/16	●
	EW20×/12	●
Infinite LWD Plan Achromatic Objective	5×/0.12/∞/0(BF/DF) LWD 10mm	√
	10×/0.25/∞/0(BF/DF) LWD 10mm	√
	20×/0.4/∞/0(BF/DF) LWD 5mm	√
	50×/0.75/∞/0(BF/DF) LWD 1.3mm	√
	100×/0.9/∞/0(BF/DF) LWD 0.7mm	√
Viewing Head	Siedentopf binocular viewing head, Inclined at 30°, Interpupillary 48~75mm	√
Kohler Incident Light	12V/50W halogen light, center and brightness adjustable	√
	Polarizer and analyzer	√
	DIC	●
	Built-in green, blue, yellow, gray and ground glass	√
Focusing	Coaxial coarse and fine adjustment, fine division 2μm,	√
Nosepiece	Backward quintuple nosepiece	√
Stage	Double layer mechanical stage 226×178mm, Moving range 40mm×40mm	√
	Stage Φ20, Φ30, teardrop	√
Accessories	Photo/Video attachment	●
	Micrometer scale 0.01mm	√
Power Supply	AC110/220V±10%, 50/60Hz	√
Package Size	730*350*550mm	√
Gross Weight	18kg	√

Note: √ Standard Outfit, ● Optional Outfit

Digital Microscope



BXTV-1

BXTV-1A

BXTV-1B

BXM-1B

Technical Parameters:

	Specification	Model			
		BXTV-1	BXTV-1A	BXTV-1B	BXM-1B
Viewing Head	Sliding Trinocular Head Inclined at 45°	√	√		
	Compensation Free Trinocular Head inclined at 30°			√	
	10" LCD				√
Nosepiece	Ball Beating Quadruple Nosepiece	√	√	√	√
Eyepiece	WF10X/18mm	√	√	√	√
Objective	Achromatic 4X, 10X, 40X(S)100X(S, O)	√	√		√
	Plan Achromatic 4X, 10X, 40X(S)100X(S, O)			√	Optional
Stage	Double Layer Mechanical Stage 135*140mm	√	√	√	√
Condenser	ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	√	√	√	√
Illumination	Build-in Illumination, Halogen lamp 6V/20W, Power supply 90-230V	√	√	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√	√	√
Package	Cartoon with foam	√	√	√	√
Package Size	250*360*460mm	√	√	√	√
Gross Weight	8kg	√	√	√	√

Image Sensor	1/3 SONY CCD	Video Output	BNC 1.0VP-P.75
Signal System	PAL/NTSC	Backlight Compensation	OFF/ON
Scanning frequency	Horizontal: 15.62KHz; Vertical: 50Hz	Electronic Shuttle	AUTO IRIS EE
Horizontal Resolution	480TV/520TV	Camera Interface	CS
Min Illumination	F1.2 0.5LUX; 0.01 LUX	Balance	Auto
Gain Control	Auto	Power	DC 12V
48S/N Ratio	50dB AGC		

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope)

Stereo Zoom Microscope



SZM-45

SZM-45T

ST-20

ST-40C

ST-60

Technical Parameters:

Model	Specifications	SZM-45	SZM-45T
Viewing Head	Binocular view head inclined at 60°	√	
	Trinocular view head inclined at 45°		√
	Digital view head inclined at 45°		√
Eyepiece	High point wide field adjustable eyepiece WF10X22mm	√	√
Zoom Objective	0.67X--4.5X	√	√
Zoom Ratio	6.7:1	√	√
Auxiliary Objective	0.5X/177mm,1.5X/47mm, 2X/26mm	√	√
Working Distance	115mm	√	√
Focusing Bracket	Focusing frame and adjustment knob	√	√
Interpupillary Distance	55-75mm/52-75mm	√	√
Up Illumination	LED lamp	√	√
Down Illumination	LED lamp	√	√
Power Supply	AC110/220V±10%, 50/60Hz	√	√
Package	Cartoon with foam	√	√
Package Size	mm	500*260*370	
Gross Weight	kg	8	

Model	ST-20	ST-40C	ST-60
Illumination	Natural light Binocular	Tranilluminator/inclined light	Natural light
View Head and Body	Straight Head	Inclined viewing Up-rotatable body	Inclined viewing Body 360°rotatable
Objective	2X	2X&4X, 90°rotated	2X&4X, 360°rotated
Working Distance	80mm	57mm	100mm
Eyepiece	WF10X/20		
Power Supply	AC110/220V±10%, 50/60Hz		
Package Size	300*200*150mm	360*170*290mm	400*250*360mm
Gross Weight	3kg	6kg	8kg

Note: 110V/220V for LED lamp, 220V only for Halogen lamp

Optional: SZM-45, SZM-45T: 2.0, 3.0 or 5.0 Megapixel, CMOS electronic eyepiece(only for Trinocular microscope) ;

ST-20, ST-40C, ST-60: Fluorescent lamp