

CONTENTS



Biological Microscope • Stereo Microscope

Primary and Secondary Education • Higher Education
Clinical Medical • Research • Laboratory

Movel Scientific Instrument Co., Ltd
movel@movelstore.com cell 0086-13216630523



01 BMC500 SERIES BIOLOGICAL MICROSCOPE



05 BMC300 SERIES BIOLOGICAL MICROSCOPE

07 BMC100 SERIES BIOLOGICAL MICROSCOPE

09 PH100 SERIES BIOLOGICAL MICROSCOPE

13 PH20/21/23 SERIES BIOLOGICAL MICROSCOPE



17 BMC500 SERIES DIGITAL BIOLOGICAL MICROSCOPE

19 PH-XDS5 INVERTED BIOLOGICAL MICROSCOPE

21 SMZ-180 ZOOM STEREO MICROSCOPE



BMC500 series of high-level biological microscopes adopt Phenix new and unique and completely independent "ICCF® Infinity Corrected Colour Free Optical System" design to achieve a comprehensive breakthrough in performance, quality, appearance. Compared with products of the same class of well-known brands, the comprehensive performance is fully surpassed, and it is a very cost-effective product.

The products can be used in higher education, clinical diagnostics, scientific research, laboratories and other high-level applications.

Features

★ ICCF® Infinity Plan High Contrast Achromatic Objective

Super plan, high contrast, high definition infinity plan high contrast achromatic objective, regardless of the observation method, it can present a completely natural and life like microscopic image, even if it is a weakly stained slice, it can ensure excellent imaging results.

★ High eyepoint, wide field and orthoscopic eyepiece

The eyepieces adopt plan field distortion-free design, which can be observed with high eyepoint, large field of view (field of view up to $\Phi 22\text{mm}$), diopter adjustable.

★ Full Kohler Illumination

Full Kohler illumination, view aperture is adjustable.

★ Dual light source arbitrary switching and intelligent identification function

High power LED and halogen lamp double light source can be intelligently identified, can be changed at will (no need to switch switch or replace the circuit board), to meet the requirements of the spectrum range of the object to be observed.

★ New appearance

The new appearance design conforms to ergonomics, it is easy to operate, and not easy to be fatigued for long-term observation.



BMC512-IPL



BMC513-IPL



Eyepiece: High eyepoint, large field of view, no distortion, diopter adjustable
The eyepieces adopt plan field distortion-free design, which can be observed with high eyepoint, large field of view (field of view up to Φ22mm), and diopter adjustable. The standard configuration is Φ20mm wide-field eyepiece.



ICCF® Infinity Plan High Contrast Achromatic Objective
On the basis of the original infinity plan achromatic, the plan field degree, the contrast and the achromatic are promoted to the effect of the "semi-apochromatic plan field". At the same time, imported glass materials and advanced multi-layer broadband coating technology have greatly improved the plan field, sharpness, brightness and contrast of the image. Thereby the observed image is naturally realistic. Even with very thin sections, can also guarantee excellent imaging results.

Parts



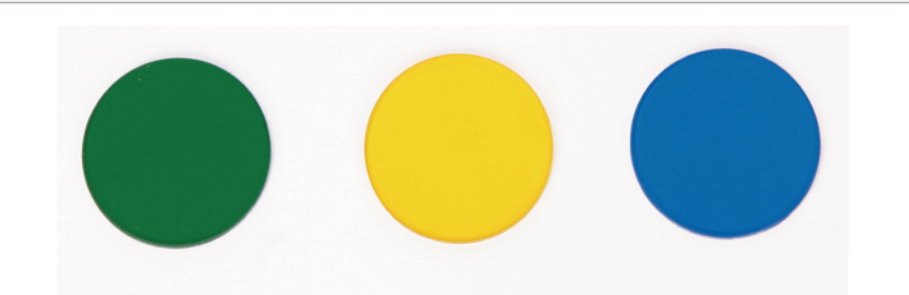
Working stage: Double-layer mechanical moving stage
Double-layer mechanical moving stage, triangular steel column guides up and down, can hold with two slices. Detachable, anti-corrosive, anti-mild, and wear-resistant stage. Size: 185mmX145mm, long stroke: 80mmX54mm.



Focusing method: Coaxial coarse and fine adjustment
Coarse adjustment stroke: 22mm, fine adjustment accuracy: 0.001mm. Adjustable elasticity, upper limit adjustable, random positioning.



Illuminaion system: Upper light source, bottom light source
Upper light source: 1W LED cold light source with lens(optional)
Bottom light source: 3W LED cold light source, precise stepless dimming, no flicker (standard); halogen lamp: 6V/30W, precise stepless dimming, no flicker(optional)



Color filters
Halogen lighting: use blue filter. Phase contrast observation: use green color filter or IF550 special phase contrast interference color filter. Others: according to observation requirements, choose different color filters for real-time background replacement.



C type camera adapter
When using a trinocular observation head to connect to the camera, you can use the following C-mount adapter to obtain different fields of view. 0.5X(standard), 0.65X, 1X(non-standard, optional)

Parameters

Item	Technical parameters	BMC532-ICCF	BMC533-ICCF	BMC512-IPL	BMC513-IPL
Observation tube	Infinity compensation binocular tube, 30°inclined, 360° rotatable, interpupillary distance: 48-76mm	▪		▪	
	Infinity compensation trinocular tube, 30°inclined, 360° rotatable, interpupillary distance 48-76mm		▪		▪
Eyepiece	High eyepoint wide field, WF 10X/20mm, diopter ajustable	▪	▪	▪	▪
	High eyepoint wide field, WF 16X/15mm, diopter ajustable	▪	▪	▪	▪
Infinity plan high contrast full achromatic objective	HC PLAN 4X	▪	▪		
	HC PLAN 10X	▪	▪		
	HC PLAN 40X(spring)	▪	▪		
	HC PLAN 100X(spring, oil)	▪	▪		
Infinity plan achromatic objective	IPL PLAN 4X			▪	▪
	IPL PLAN 10X			▪	▪
	IPL PLAN 40X(spring)			▪	▪
	IPL PLAN 100X(spring, oil)			▪	▪
Nosepiece	Inner clined quadruple nosepiece, ball bearing inner locating	▪	▪	▪	▪
	Inner clined quintuple nosepiece, ball bearing inner locating				
Focusing system	Coaxial coarse and fine focusing, coarse focusing range 22mm, fine focusing graduation: 0.001mm, elasticity and upper limit adjustable, random positioning	▪	▪	▪	▪
Stage	Double-layer mechanical sliding stage triangle steel column guide rails up and down Area: 185mmX145mm, moving range: 80mX54mm, with double slide clips	▪	▪	▪	▪
Condenser	Abbe condenser N A=1.25, with iris diaphragm, moving up and down, center adjustable	▪	▪	▪	▪
Illumination	Full Kohler illumination, view aperture is adjustable	▪	▪	▪	▪
Upper light source	1W LED cold light source with lens(non-standard, optional)				
Bottom light source	3W LED cold light source precision stepless dimming, no flicker(standard)	▪	▪	▪	▪
	Halogen lamp, 6V/30W, precision stepless dimming(non-standard,optional)				
Power supply	External switch power supply, input AC 100-240V, output DC 12V/4A	▪	▪	▪	▪
Camera adapter	0.5X		▪		▪
Optional		BMC532-ICCF	BMC533-ICCF	BMC512-IPL	BMC513-IPL
Darkfield attachment	Dark field plug-in boards (10X/40X)				
Phase contrast attachment	Infinity plan high-contrast achromatic phase contrast objectives	HC PLAN-PH 4X			
		HC PLAN-PH 20X			
		HC PLAN-PH 40X			
		HC PLAN-PH 100X			
	Phase contrast centring	CT 10X			
	Phase contrast board	10X phase contrast board			
		40X phase contrast board			
Fluorescent attachment	LED Epi-fluorescence: B, G, UV, V band optional, two arbitrary replacement dichroic mirror Professional fluorescence: fluorescence excitation group: B, G, UV, V four groups, arbitrarily choose and match; power box, high-pressure spherical mercury light box				
Polarized attachment	Polarizer(lower polarizer) Analyzer(upper polarizing board)				
Camera adapter	0. 65X type-C thread adapter				
	1X type-C thread adapter				



BMC300 series biological microscope adopts ergonomic design, the whole machine has smooth lines, beautiful appearance and light structure. It is easy to observe and use, not easy to fatigue for long time observation. Built-in handle is easy to take and move.

Parts



Adjustable binocular tube

Adjustable binocular tube, 30°inclined, interpupillary distance 48-76mm.



Achromatic objective

4X, 10X, 40X (spring), 100X (spring, oil)



Infinity plan achromatic objective

4X, 10X, 40X (spring), 100X (spring, oil)



Double-layer mechanical stage, with double slide clips

Size 160X142mm, moving range 76X52mm



Illumination system

Upper light source: 1W LED cold light source with lens (non-standard, optional)
Bottom light source: 3W LED cold light source, precise stepless dimming, no flicker



Coaxial coarse and fine adjustment, elasticity adjustable

Coarse movement stroke: 25mm, fine movement accuracy: 0.001mm


Parameters

Items	Technical parameters	BMC302-A	BMC303-A	BMC302-PL	BMC303-PL	BMC302-IPL	BMC303-IPL
Observation tube	Compensation binocular tube, 30°inclined, interpupillary distance 48-76mm	■		■			
	Compensation trinocular tube, 30°inclined, interpupillary distance 48-76mm		■		■		
	Compensation infinity binocular tube, 30°inclined, interpupillary distance 48-76mm					■	
	Compensation infinity trinocular tube, 30°inclined, interpupillary distance 48-76mm						■
Eyepiece	WF10X/20mm	■	■	■	■	■	■
	WF16X/15mm	■	■	■	■	■	■
195N achromatic objective	4X	■	■				
	10X	■	■				
	40X (spring)	■	■				
	100X (spring, oil)	■	■				
195 plan achromatic objective	PLAN 4X			■	■		
	PLAN 10X			■	■		
	PLAN 40X (spring)			■	■		
	PLAN 100X (spring, oil)			■	■		
Infinity plan achromatic objective	PLAN∞-4X					■	■
	PLAN∞-10X					■	■
	PLAN∞-40X (spring)					■	■
	PLAN∞-100X (spring, oil)					■	■
Nosepiece	Three holes nosepiece						
	Quadruple nosepiece	■	■	■	■	■	■
Focusing system	Coaxial coarse and fine adjustment, elasticity adjustable	■	■	■	■	■	■
	Coarse movement stroke: 25mm, fine movement accuracy: 0.001mm	■	■	■	■	■	■
Stage	Double-layer mechanical stage, 160mmX142mm, moving range: 76mmX52mm, with double slide clips	■	■	■	■	■	■
Condenser	Abbe condenser N.A=1.25, lift up and down, center adjustable, iris diaphragm	■	■	■	■	■	■
Power supply	External switch power supply, input AC 100-240V, output DC 5V/2A	■	■	■	■	■	■
Upper light source	1W LED cold light source with lens(Non-standard, optional)						
Lower light source	3W LED cold light source, precision stepless dimming, no flicker(Standard)	■	■	■	■	■	■
Dimming system	Digital circuit, precise stepless dimming, no screen flicker	■	■	■	■	■	■
Package	Foam + Carton	■	■	■	■	■	■
Others	0.5X C type adapter		■		■		■
	0.65X C type adapter						
	1X C type adapter						




BMC100 series laboratory biological microscope adopts ergonomic design, with smooth lines and beautiful appearance. It has intelligent LCD digital display window, ACT color temperature switching function and ECO intelligent sensor function.

Parts




Adjustable binocular tube

Adjustable binocular tube,30°inclined, interpupillary distance 48-75mm




Achromatic objective

4X, 10X, 40X (spring), 100X (spring, oil)



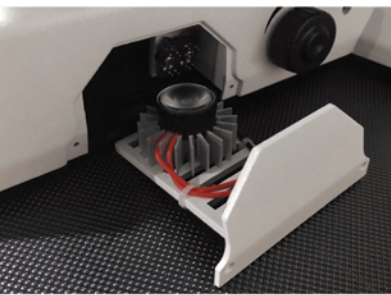
Coaxial coarse and fine adjustment, elasticity adjustable

Coarse movement stroke: 28mm, fine movement accuracy: 0.002mm

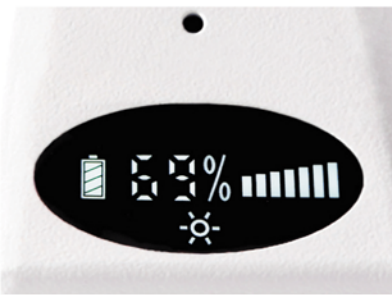


Illumination system

Upper light source: USB hose light, 360°lighting without any blind spot
Bottom light source: 3W LED, color temperature adjustable



Side-mounted drawer type light box



Intelligent LCD digital display window

The ECO smart sensor function can automatically turn off the power after the user leaves for 30 minutes.

Parameters

Item	Technical parameters	BMC100-A2	BMC100-A3
Magnification	40X-1000X	▪	▪
Observation tube	Binocular tube, 30°inclined, 360°rotatable, interpupillary distance: 48-76mm Trinocular tube, 30°inclined, 360°rotatable, interpupillary distance:48-76mm	▪	▪
Eyepiece	WF10X/18mm	▪	▪
Objective	Achromatic objective, 4X, 10X, 40X (Spring) , 100X (Spring, oil)	▪	▪
Nosepiece	Quadruble nosepiece	▪	▪
Stage	Curved double-layer mechanical stage, size: 132x132mm, stroke: 70x30mm	▪	▪
Focusing system	Coaxial coarse and fine adjustment, adjustable elasticity. Coarse movement stroke: 28mm, fine movement accuracy: 0.004mm	▪	▪
Condenser	Abbe condenser N.A=1.25, lift up and down, center adjustable, iris diaphragm	▪	▪
Illumination	Critical illumination	▪	▪
Upper light source	USB hose light, 360°lighting without any blind spot	▪	▪
Bottom light source	3W LED, compound eye lighting, brightness adjustable, color temperature adjustable, right-side insertion and removal	▪	▪
Power supply	External stabilized power adapter DC 5V/2A, built-in rechargeable battery	▪	▪



PH100 series laboratory biological microscopes adopt ergonomic design, the whole machine has smooth line and beautiful appearance. With superior optical system, these series have clearer images, easy to observe and use, not easy to fatigue for long time observation. Built-in handle, easy to take and move.

PH100 series laboratory biological microscopes can be applied in the fields such as institutions of higher learning, medical health, laboratory, scientific research institutions for making teaching research, clinical experiment as well as scientific research analysis of biology, pathology, bacteriology, etc.

PH100 series laboratory biological microscopes which can be equipped with accessories like photography, digital camera, professional fluorescent, professional polarization, phase contrast, dark field etc. It is an ideal instrument for biological observation.

Parts



Adjustable trinocular tube

Adjustable trinocular tube, 30° inclined, 360° rotatable, interpupillary distance 48-75mm



Infinity plan achromatic objective

4X, 10X, 40X (spring), 100X (spring, oil)



Wide field eyepiece

WF10X/φ20mm, diopter adjustable



Double-layer mechanical stage, with double slide clips

Size 160X142mm, moving range 76X52mm



Coaxial coarse and fine adjustment, elasticity adjustable

Coarse movement stroke: 22mm, fine movement accuracy: 0.002mm



Illumination system:
upper light source, bottom light source

Upper light source: 1W LED cold light source with lens(optional)
Bottom light source: 3W LED, compound eye lighting, brightness adjustable (standard)



Power supply

External stabilized power adapter DC 5V/2A

Product display from all angles



Parameters

Item	Technical parameters	PH100-2A41L-EP	PH100-3A41L-EP	PH100-2A41L-PL	PH100-3A41L-PL	PH100-2B41L-IPL	PH100-3B41L-IPL
Magnification	40X-1600X	■	■	■	■	■	■
Viewing head	Compensation binocular head, 30°inclined, interpupillary distance 48-75mm, 360°rotatable	■		■			
	Infinity compensation binocular head, 30°inclined, interpupillary distance 48-75mm, 360°rotatable					■	
	Compensation trinocular head, 30°inclined, interpupillary distance 48-75mm (360°rotatable, with push-pull rod)		■		■		
	Infinity compensation trinocular head, 30°inclined, interpupillary distance 48-75mm (360°rotatable, with push-pull rod)						■
Eyepiece	WF10X/20mm, diopter ajustable	■	■	■	■	■	■
	WF16X/15mm, diopter ajustable	■	■	■	■	■	■
Nosepiece	Quadruple revolving nosepiece, inward	■	■	■	■	■	■
	Quintuple revolving nosepiece, inward						
195mm achromatic objective	4X	■	■				
	10X	■	■				
	40X (spring)	■	■				
	100X (spring, oil)	■	■				
195mm plan achromatic objective	PLAN 4X			■	■		
	PLAN 10X			■	■		
	PLAN 40X (spring)			■	■		
	PLAN 100X (spring, oil)			■	■		
Infinity plan achromatic objective	IPL 4X					■	■
	IPL 10X					■	■
	IPL 40X (spring)					■	■
	IPL 100X (spring, oil)					■	■
Focusing system	Coaxial coarse and fine focusing knob, with the hand wheel tightness adjustment and random positioning device. Coarse focusing range 22mm, fine focusing graduation: 0.002mm	■	■	■	■	■	■
Stage	Double-layer mechanical stage, can hold with 2 slides. Size: 160mm×142mm, moving range: 76mm×52mm.	■	■	■	■	■	■
Condenser	Abbe condenser N.A=1.25, lift up and down, center adjustable, iris diaphragm	■	■	■	■	■	■
Power supply	External voltage stabilized power supply adapter DC 5V/2A						
Upper light source	1W LED cold light source (Non-standard, optional)	■	■	■	■	■	■
Bottom light source	3W LED cold light source, compound eye illumination, brightness adjustable	■	■	■	■	■	■
Others	CCD simple adapter (All TV types including ccd adapter)		■		■		■
Optional	WF10X/18mm, with eyepiece micrometer						
	Objective: 25X, 60X						
	CCD camera adapter: 1/3", 1/2" adapter						
	Digital camera adapter: digital card camera adapter						
	Digital camera adapter: digital SLR camera adapter						
	Dark field device						
	Limited phase contrast device						
	Infinity phase contrast device						
	Epifluorescence						
	Epi-polarization						



The PH20 series biological microscopes, the biological microscopes recommended by the new curriculum standards, are very suitable for observing biological slices and specimens in elementary and middle schools. It can also be used for routine inspection and analysis of biology and pathology in health inspection departments.



Parts



PH20/PH21/PH23 SERIES BIOLOGICAL MICROSCOPE



Illumination system

Plano-concave mirror, Φ40mm
High brightness LED, cold light source,
rechargeable, brightness adjustable



Handle

Built-in handle, easy to take and move



Power supply

External switching power supply(adapter)
AC 100V-240V

Parameters

Item	Technical parameters	PH20-1A31L-A	PH21-1600X
Magnification	40X-640X	▪	
	100X-1600X		▪
Eyepiece	Wide field WF10X/φ16mm	▪	▪
	Wide field WF16X/φ11mm	▪	
	Huygens H16X/φ11mm		▪
Observation tube	Monocular tube, 45°inclined, 360°rotatable	▪	▪
	TV monocular tube, 45°inclined, 360°rotatable		
Nosepiece	Three holes, inward	▪	▪
Achromatic objective	4X	▪	
	10X	▪	▪
	40X (spring)	▪	▪
	100X (spring, oil)		▪
Focusing system	Different coarse and fine adjustment, coarse focusing range 10mm, fine focusing graduation: 1.8mm	▪	▪
Stage	Round stage with slice holder, diameter: Φ90mm, circumferential movement range: 6mm(with white frosted glass)	▪	▪
	Fixed square stage, with slice holder, size: 100mm×90mm(with white frosted glass)		
	Fixed square stage, with slice holder, size: 100mm×90mm, movement range: 52mm×20mm(with white frosted glass)		
Illumination	Concave-plan reflector, φ40mm		
	High brightness LED, cold light source, rechargeable, adjustable brightness	▪	▪
Power supply	External switching power supply(adapter), input AC 100V-240V, output DC 5V/2A	▪	▪
Others	CCD simple adapter (all TV types are standard)		
Package	Foam + carton	▪	
	Nylon bag		▪
	Wooden box		

Item	Technical parameters	PH23
Magnification	40X-1000X	▪
Observation tube	Inclined binocular tube	▪
Eyepiece	Wide field WF10X/16mm	▪
Objective	Achromatic objective, 4X, 10X, 40X (spring), 100X (spring, oil)	▪

Nosepiece	Quadruple nosepiece, inward, positioning by sound	▪
Stage	Double-layer mechanical stage, aluminum alloy casting, moving range: 60mmX30mm	▪
Focusing system	Different coarse and fine adjustment, coarse focusing range 5mm, fine focusing graduation: 1.8mm	▪
Condenser	High transmission condenser	▪
Power supply	0.5W LED cold light source, 300mAH rechargeable battery, with charging indicator, stepless adjustable light source brightness	▪

Products display from all angles





Phenix BMC500 series high-end experimental digital biological microscope, adopting Phenix unique and completely independent design of "ICCF® Infinity Corrected Colour Free Optical Sytem" to achieve comprehensive breakthroughs and improvements in performance, quality and appearance. Compared with products of internationally renowned brands, the overall performance It is a product with high cost performance.

The product can be used in higher education, clinical diagnostics, scientific research, laboratories and other high-level applications.

Parts

Eyepiece: High Eyepoint, Large field of view, No distortion, Diopter adjustable
WF10X/20mm. WF16X/15mm

The eyepieces adopt plan field distortion-free design, can be observed with high eyepoint, large field of view, and diopter adjustable.

ICCF® Infinity Plan High Contrast Achromatic objective

On the basis of the original infinity plan achromatic, the plan field degree, the contrast and the achromatic are promoted to the effect of the "semi-apochromatic plan field". At the same time, imported glass materials and advanced multi-layer broadband coating technology have greatly improved the plan field,sharpness, brightness and contrast of the image. Thereby the observed image is naturally realistic. Even with very thin sections, can also guarantee excellent imaging results.

Working Stage: Double-layer mechanical moving stage

Double-layer mechanical moving stage, triangular steel column guides up and down, can hold with two slices. Detachable, anti-corrosive, anti-mild, and wear-resistant stage. Size: 220mmX145mm, long stroke: 76mmX45mm.

Focusing method: coaxial coarse and fine adjustment
Coarse adjustment stroke: 22mm, fine adjustment accuracy: 0.001mm, adjustable elasticity, upper limit adjustable, random positioning.

Illumination: upper light source, bottom light source
Upper light source: 1W LED cold light source(optional)
Bottom light source: 3W LED cold light source, precise stepless dimming, no flicker(standard); halogen lamp: 6V/30W, precise stepless dimming, no flicker(optional)

Handle
Built-in handle, easy to take and move

Condenser
Full Kohler Abbe condenser N.A=1.25, iris diaphragm, lift up and down, center adjustable.

Double light source
High-power LED and halogen lamp (optional) can be interchanged and intelligently identified.

Power supply
External switching power supply. Input AC 100-240V, output DC12V/4A

Parameters

Item	BMC500-DB310U-ICCF	BMC500-DB500U-ICCF	BMC500-DB800U-ICCF	BMC500-DBK10U-ICCF
Digital configuration	Digital 3.1 mega pixels, with microscopic image software	Digital 5.0 mega pixels, with microscopic image software	Digital 8.0 mega pixels, with microscopic image software	Digital 10.0 mega pixels, with microscopic image software
Magnification	40X-1600X			
Observation tube	Infinity digital compensation binocular tube/30 degree inclined/360 degree rotatable			
Eyepiece	High eyepoint, wide field, WF10X/Φ20mm, WF16X/Φ15mm			
Nosepiece	Quadruple nosepiece			
Objective	ICCF Infinity Plan High Contrast Achromatic objective, HC PLAN 4X, 10X, 40X (Spring) , 100X (Spring, Oil)			
Focusing system	Coaxial coarse and fine focusing knob, coarse focusing range 22mm, fine focusing graduation: 0.001mm			
Stage	Double layer mechanical moving stage, size 220×145mm, moving range 76x45mm			
Condenser	Abbe condenser, N.A.=1.25			
Illumination	Kohler illumination, LED 3W/1A and halogen 6V/30W(optional) can be interchanged intelligently			
Power supply	External switching power supply, DC 12V/4A			

PH-XDS5 INVERTED BIOLOGICAL MICROSCOPE

PH-XDS5 inverted microscope is multifunction microscope. It adopts excellent infinity optical system and provides excellent optical performance. It is designed with good-looking shape and convenience operation. The long working distance condenser system is suitable for tissue observation in a high culture dish. The illumination system well considers heat spreading and safety. It also accord with ergonomic design. The phase contrast device can be attached to the optical path to realize phase contrast microscopic observation. This unit is suitable for the microscopic observation of cells, tissues, clear liquid tissues, and the dynamic microscopic observation of tissues cultured in a culture dish, and is applicable to scientific research institutions, colleges and universities, medical and health, inspection and quarantine agencies, agriculture, animal husbandry and dairy industries.



Infinity optical system
Long working distance objective

PH-XDS5



Wide field eyepiece



Coaxial coarse and fine adjustment



Phase contrast board

Item	Total magnification		40X-400X		
	Mechanical tube length		∞		
	Conjugate distance of objective		∞		
Eyepiece	Wide-field eyepiece	WF 10X	field of view number φ22mm	Eyepiece interface φ30mm	Parfocal distance 10mm
	Centering telescope				
Observation tube	Trinocular, Inclined 45°, interpupillary distance: 48-75mm				
Brightfield objective	Magnification	N.A.	Working distance(mm)	Thickness of cover glass(mm)	Remarks
	10X	0.25	4.27	1.2	
	20X	0.4	8	1.2	
	40X	0.6	3.5	1.2	
Phase contrast objective	10X	0.25	4.27	1.2	Remark"PHP2"
Nosepiece	Quintuple nosepiece				
Focusing system	Coaxial coarse and fine adjustment, with tension adjustable and up stop, minimum division of fine focusing is 2μm. Effective distance 11mm				
Condenser	Long working distance condenser, working distance: 70mm, and with pull board phase contrast unit				
Stage	Mechanical Stage, size: 300mm×170mm, moving range: 75mm(longitudinal)×132.5mm(transvesve)				
	Culture dish holder	Circular: φ28mm-100mm, Thickness≤1.2mm			
		Quadrate: W≤100mm,L≤130mm, Thickness≤1.2mm			
Phase contrast system	Sliding phase contrast equipment, center adjustable				
Illumination system	9W LED, brightness adjustable				
Filter	Frosted grass and blue filter				
Accessory	Hexagonal socket wrench(M4)				

SMZ-180 ZOOM STEREO MICROSCOPE

SMZ180 series zoom stereo microscope has a long working distance, large depth of field, clear imaging, large field of view and so on. The zoom method is horizontal zoom with two-hand wheels. Elimination of gap zoom design and reinforced, transmission system design to ensure stable continuous zoom clear imaging and stable and comfortable lifting during use.

The product can be widely used in various industries and fields such as machinery and electronics, instrumentation, precision parts, agriculture, forestry and environmental protection, criminal investigation identification, jewelry testing and so on.



SMZ180-LT



SMZ180-LB



Product display from different angles

SMZ-180



Binocular observation tube



Trinocular observation tube



Wide field eyepiece, the visibility is adjustable



Additional objective lens, larger adjustable working distance



Zoom handwheel (Optical zoom 0.62-5X)



LED illuminator

Item	SZM180-LT	SZM180-LB
Magnification	6.2X-50X or 3.1X-250X (with auxiliary objective and eyepieces)	
Zoom ratio	Zoom 1:8.0	
Observation tube	Sliding trinocular head, 45°inclined, interpupillary distance 52-75mm	Sliding binocular head,45°inclined,interpupillary distance 52-75mm
Eyepiece	High eyepoint, wide field, diopter adjustable WF 10X/Φ23mm	
Objective	Zoom objective, 0.62X-5X	
Diopter	Binocular diopter adjustment range ±6	
Field of view	φ4.6mm-φ37mm	
Working distance	110mm	
Focusing range	60mm	
Upper light source	1W LED light source, brightness adjustable	
Bottom light source	1W LED light source, brightness adjustable	
Stand lifting range	According to the different stand, different lifting range	
Optional	Wide field eyepiece: WF15X, WF20X	
	LED ring light	
	Photography adapter: digital camera adapter, SLR digital adapter	
	Camera adapter: 0.5X, 0.65X, 1X C adapter	
	Double boom universal stand	