

SCOPE

MICROSCOPE CATALOGUE



CHONGQING SCOPE INSTRUMENT CO.,LTD

Catalogue

B Series Biological Microscope	1
B301 Series Biological Microscope	3
B302 Series Biological Microscope	5
SMART Series Biological Microscope	7
BK Series Laboratory Microscope	10
BDS Series Inverted Biological Microscope	13
MIT Series Metallurgical Microscope	17
MDJ/MDS Inverted Metallurgical Microscope	20
B-POL/SMART-POL Polarizing Microscope	23
BK-POL Professional Polarizing Microscope	25
SZ Series Stereo Zoom Microscope	27
Other Stereo Microscope	29
Integrated Digital Microscope	31

B Series Biological Microscope

Item	Model	specification
Biological Microscope	B104	Monocular, Eyepiece 10X(18mm), Finite Achromatic objective Mechanical Stage(125*115mm), 3W-LED
	B203	Binocular, Eyepiece 10X(18mm), Finite Achromatic Objective Mechanical Stage(125*115mm), 3W-LED
	B204	Binocular, Eyepiece 10X(18mm), Finite Plan Objective Mechanical Stage(125*115mm), 3W-LED
	B203-TR	Trinocular, Eyepiece 10X(18mm), Finite Achromatic Objective Mechanical Stage(125*115mm), 3W-LED
	B204-TR	Trinocular, Eyepiece 10X(18mm), Finite Plan Objective Mechanical Stage(125*115mm), 3W-LED

Options

C-mount	B-1X C	Adopt digital camera
C-mount	B-0.5X C	Adopt digital camera, Focus adjustable
Dark Field Ring	B-DK	Adopt 4X/ 10X/ 40X objectives
Polarizing Unit	B-P	Polarizer, Analyzer
Mirror	B-MI	Plano-concave mirror

Characteristics

- Anti-mildew and anti-fogging optical system
- High brightness, long life, low power LED cold light illumination
- Aspherical lighting system
- Built in rechargeable battery

B series biological microscope parameter

Magnification range	40X~1600X
Eyepiece	10X/ 16X
Objective	Achromatic Objective: 4X, 10X, 40X, 100X
	Plan Objective: 4X, 10X, 40X, 100X
Eyepiece Head	Monocular, Binocular, Trinocular
Nosepiece	Quadplex
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Moving Mechanical Stage
Condenser	Abbe N.A. 1.25(Iris Diaphragm)
Illumination System	3W-LED
Photomicrography, Photomicrographic device	



B104



B203/ B204



B203-TR/ B204-TR



0.5X/1X C-Mount



Plano-concave mirror



Simple polarizing unit
Polarizer, analyzer for simple



Dark filed unit available
for 4×~ 40× objective

B301 Series Biological Microscope

Item	Model	specification
Biological Microscope	B301-1	Monocular, Eyepiece 10X(18mm), Finite Achromatic objective Mechanical Stage(125*115mm), 3W-LED
	B301-2	Binocular, Eyepiece 10X(18mm), Finite Achromatic Objective Mechanical Stage(125*115mm), 3W-LED
	B301-3	Binocular, Eyepiece 10X(18mm), Finite Plan Objective Mechanical Stage(125*115mm), 3W-LED
	B301-2TR	Trinocular, Eyepiece 10X(18mm), Finite Achromatic Objective Mechanical Stage(125*115mm), 3W-LED
	B301-3TR	Trinocular, Eyepiece 10X(18mm), Finite Plan Objective Mechanical Stage(125*115mm), 3W-LED

Options

C-mount	B-1XC	Adopt digital camera
C-mount	B-0.5XC	Adopt digital camera, Focus adjustable
Dark Field Ring	B-DK	Adopt 4X/ 10X/ 40X objectives
Polarizing Unit	B-P	Polarizer, Analyzer

Characteristics

- Adopt integrated design concept
- Butterfly rotation binocular
- Humanized Storage Bin On The Stand Back Makes Moving And Items Storage More Convenient

B301 series biological microscope parameter

Magnification range	40X~1600X
Eyepiece	10X/ 16X
Objective	Achromatic Objective: 4X, 10X, 40X, 100X
	Plan Objective: 4X, 10X, 40X, 100X
Eyepiece Head	Monocular, Binocular, Trinocular
Nosepiece	Quadplex
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Moving Mechanical Stage
Condenser	Abbe N.A. 1.25(Iris Diaphragm)
Illumination System	3W-LED
Photomicrography, Photomicrographic device	



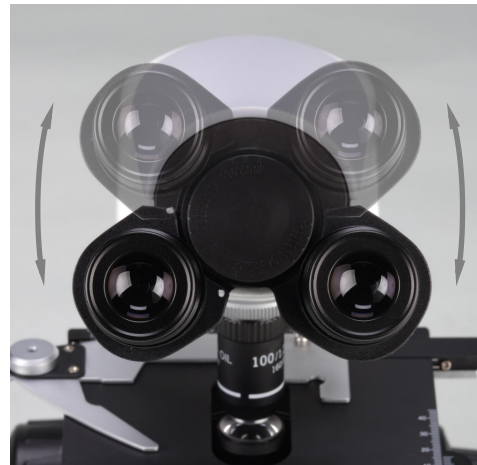
B301-1



B301-2/ B301-3



B301-2TR/ B301-3TR



Butterfly Head



USD charging cable



0.5X/1X C-Mount



Plano-concave mirror



Simple polarizing unit
Polarizer, analyzer for simple



Dark filed unit available
for 4×~ 40× objective

B302 Series Biological Microscope

Item	Model	specification
Biological Microscope	B302-1	Binocular, Eyepiece 10X(20mm), Infinity EPLAN Objective Mechanical Stage(145*140mm), 3W-LED
	B302-2	Binocular, Eyepiece 10X(20mm), Infinity PLAN Objective Mechanical Stage(145*140mm), 3W-LED
	B302-1TR	Trinocular(2/8), Eyepiece 10X(20mm), Infinity EPLAN objective Mechanical Stage(145*140mm), 3W-LED
	B302-2TR	Trinocular(2/8), Eyepiece 10X(20mm), Infinity PLAN objective Mechanical Stage(145*140mm), 3W-LED

Options

Water-immersion objective	100X(s,water)	Infinity PLAN objective
C-mount	B3-1XC	Adopt digital camera
	B3-0.5XC	Adopt digital camera, Focus adjustable
	B3-0.75XC	Adopt digital camera, Focus adjustable
Dark Field Ring	B-DK	Adopt 4X/ 10X/ 40X objectives
Polarizing Unit	B3-P	Polarizer, Analyzer

Characteristics

- The integrated design concept is adopted to skillfully realize the dynamic moment of dolphin crossing the sea, and the shape is perfectly integrated
- New winding device, easy to handle and store
- Original low power objective lens

B302 series biological microscope parameter

Magnification range	40X~1600X
Eyepiece	10X/ 16X high eye-point
Infinity Objective	EPLAN Objective: 4X, 10X, 40X, 100X
	Plan Objective: 4X, 10X, 20X, 40X, 60X, 100X(oil), 100X(water)
Eyepiece Head	Binocular, Trinocular
Nosepiece	Quadplex
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Moving Mechanical Stage

Condenser	Abbe N.A. 1.25(Iris Diaphragm)
Illumination System	3W-LED cold light resource
Photomicrography, Photomicrographic device	



B302 Binocular



B302TR Trinocular



EPLAN Infinity Objective



PLAN Infinity Objective



100× Water objective



Simple polarizing unit
Polarizer, analyzer for simple



Dark filed unit available
for 4× ~ 40× objective

SMART Series Biological Microscope

Item	Model	specification
Biological Microscope	SMART-1	Binocular, Eyepiece 10X(18mm),Finite Achromatic Objective Mechanical Stage(145*140mm), 3W-LED or halogen lamp
	SMART-2	Binocular, Eyepiece 10X(20mm), Finite PLAN Objective Mechanical Stage(145*140mm), 3W-LED or halogen lamp
	SMART-3	Binocular, Eyepiece 10X(20mm),Infinity E-PLAN Objective Mechanical Stage(145*140mm), 3W-LED or halogen lamp
	SMART-4	Binocular, Eyepiece 10X(20mm), Infinity PLAN Objective Mechanical Stage(145*140mm), 3W-LED or halogen lamp
	These series have trinocular type(digital), the light distribution is 2:8	
Fluorescence Microscope	SMART-3 and SMART-4 have fluorescence model	
Phase Contrast Microscope	SMART-3 and SMART-4 can add phase contract device	

Options

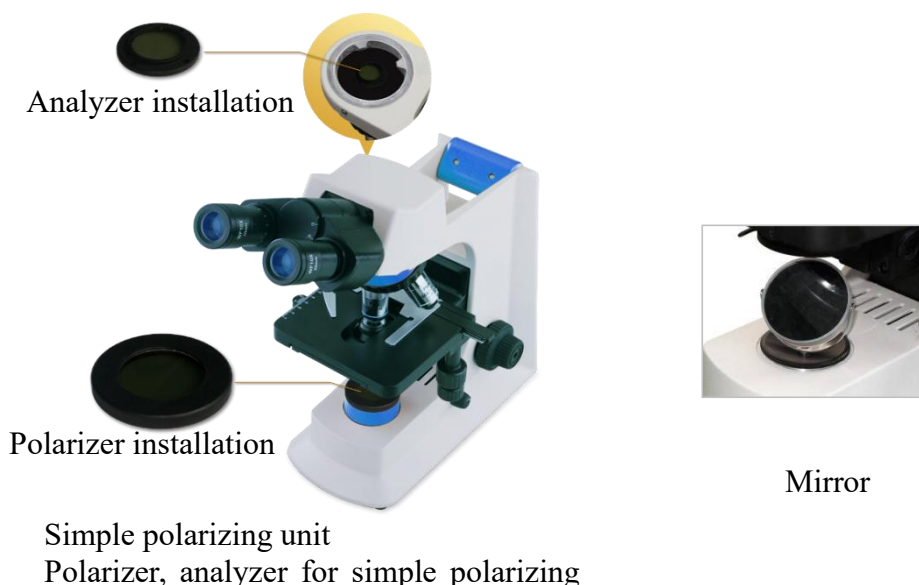
C-mount	B3-1XC	Adopt digital camera, Focus adjustable
C-mount	B3-0.5XC	Adopt digital camera, Focus adjustable
C-mount	B3-0.75XC	Adopt digital camera, Focus adjustable
Dark Field Condenser	SK-DC	Dry, apply to 4X - 40X objective
Polarizing Unit	B3-P	Polarizer, Analyzer
Independent phase contrast unit	SK-PH10	10X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
	SK-PH20	20X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
	SK-PH40	40X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
	SK-PH100	100X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
Fluorescence Attachment	Epi fluorescence unit (six-hole disc media which can be fixed with Uv /V/B/G and another filters) ,100W mercury lamp.	
	Epi fluorescence unit (six-hole disc media which can be fixed Uv /V/B/G), 5W-LED fluorescence lamp.	
Filter		Blue, Green, Yellow
Mirror	B-MI	Plano-concave mirror

Characteristics

- Excellent OTICS infinity optical system, outstanding resolution and definition.
- Original integrated stand for excellent stability. Back handle and observing hole convenient for carry and operation.
- Unique aspheric illumination system, provide bright and comfortable lighting.

SMART series biological microscope parameter

Magnification range	40X~1600X
Eyepiece	10X high eye-point, 20mm wild field
Infinity Objective	PLAN Objective: 4X, 10X, 20X, 40X, 60X, 100X Plan Objective: 100X (S, water)
Eyepiece Head	Binocular, Trinocular
Nosepiece	Quadplex, Quintuple (Optional)
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Moving Mechanical Stage, Two Slide Holder Rackless(Integrated) stage, Two Slide Holder
Condenser	Abbe N.A. 1.25(Iris Diaphragm)
Illumination System	3W-LED,12V/20W halogen lamp, 12V/30W halogen lamp
Phase Contrast Device	10X/20X/40X/100X infinity phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
Dark Filed Device	Dry, Apply to 4X - 40X objective
Polarizing Unit	Polarizer, Analyzer





Dry Dark Field Condenser



Phase contrast unit, Independent phase contrast unit (apply to infinity optical system)



SMART Binocular Series



SMART Trinocular Series



Wire winding device convenient for carry and storage (optional)

BK Series Laboratory Microscope

Item	Model	specification
Biological Microscope	BK5000	Binocular, Eyepiece 10X(20mm), Infinity PLAN Objective Mechanical Stage(175*145mm), 3W-LED or halogen lamp
	BK6000	Binocular, Eyepiece 10X(22mm), Infinity PLAN Objective Rackless Stage(182*140mm), 5W-LED or halogen lamp
	BK5000-TR	Trinocular, Eyepiece 10X(20mm), Infinity PLAN Objective Mechanical Stage(175*145mm), 3W-LED or halogen lamp
	BK6000-TR	Trinocular, Eyepiece 10X(22mm), Infinity PLAN Objective Rackless Stage(182*140mm), 5W-LED or halogen lamp

BK5000, BK6000 have fluorescence model

Options

Infinity Plan Semi Apochromatic Objective		UPlanFLN 10X, 20X, 40X, 100X
C-mount	B3-1XC	Adopt digital camera, Focus adjustable
	0.35X	Adopt digital camera, Focus adjustable
	B3-0.5XC	Adopt digital camera, Focus adjustable
	B3-0.75XC	Adopt digital camera, Focus adjustable
Dark Field Condenser	BK-DC	Dry, apply to 4X - 40X objective
	BK-DCW	Wet(oil), apply to 100X objective
Polarizing Unit	BK-P	Polarizer, Analyzer
Phase Contrast Unit	BK-PH	Quintuple hole turret 10× /20× /40× /100× phase contrast objective
Independent phase contrast unit	BK-PH10	10X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
	BK-PH20	20X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
	BK-PH40	40X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
	BK-PH100	100X Phase contrast PLAN objective, Phase contrast slide, Telescope, Green filter
Fluorescence Attachment	FL2	Epi fluorescence unit (six-hole disc media which can be fixed with B/G), 100W mercury lamp/5W-LED fluorescence lamp
	FL4	Epi fluorescence unit (six-hole disc media which can be fixed Uv/V/B/G), 100W mercury lamp/5W-LED fluorescence lamp

Swing-out Condenser	BK-C07A	N.A. 0.9/0.13, with iris diaphragm
Water-immersion objective	100X(s,water)	Infinity PLAN objective

Characteristics

- Excellent infinity optical system for perfect resolution and definition.
- Trinocular head with light distribution 100:0 or 80:20
- Low position for operation, meet the demand of ergonomics. Flexible rubber painting knob, comfortable feeling, reliable operation.

BK series biological microscope parameter

Magnification range	40X~1600X
Eyepiece	10X high eye-point, 20mm wild field
Infinity Objective	PLAN Objective:2X, 4X, 10X, 20X, 40X,60X, 100X
Eyepiece Head	Binocular
	Trinocular(Light Distribution: 100: 0 / 80:20)
Nosepiece	Quintuple
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Moving Mechanical Stage, Two Slide Holder
	Rackless (Integrated) stage, Two Slide Holder
Condenser	Abbe N.A. 1.25(Iris Diaphragm)
	Swing Out Condenser, N.A. 0.9/0.13, with iris diaphragm
Koehler Illumination	3W-LED,12V/20W halogen lamp,12V/30W halogen lamp



Quintuple turret phase contrast unit



Dry/wet dark field condenser



Swing-out condenser



Independent Phase Contrast Unit



BK5000



BK5000-TR



BK6000



BK6000-TR



BK-FL



BK-FL (LED)

BDS Series Inverted Biological Microscope

Item	Model	specification
Inverted Biological Microscope	BDS300	Trinocular, Eyepiece 10X(20mm), 5W LED, Annular Spot, Built-in 0.65X C-mount Infinity L Plan FL 10X/40X, L Plan FL PHP 20X
	BDS400	Trinocular, Eyepiece 10X(22mm), 12V/30W Halogen, Annular Spot Infinite L Plan FL PHP 10X/20X/40X
	BDS500	Three light port, Eyepiece 10X(22mm), 12V/50W Halogen Annular Spot, Centering telescope Infinite L Plan FL 4X, L Plan FL PHP 10X/20X/40X
Fluorescence Microscope	BDS400-FL	Trinocular, 100W mercury lamp, B/G/V/Uv fluorescence filters
	BDS500-FL	Three light port, 100W mercury lamp, B/G/V/Uv fluorescence filters

Options

C-mount	B3-1XC	Adopt digital camera, Focus adjustable
	0.35X	Adopt digital camera, Focus adjustable
	B3-0.5XC	Adopt digital camera, Focus adjustable
	B3-0.75XC	Adopt digital camera, Focus adjustable
4X Phase Contrast Unit	BDS-PH4	L Plan FL PHP 4X, 4X annular spot, Centering telescope
Fluorescence Attachment	FL2	Epi fluorescence unit (six-hole disc media which can be fixed with B/G),100W mercury lamp/5W-LED fluorescence lamp
	FL4	Epi fluorescence unit (six-hole disc media which can be fixed Uv/V/B/G),100W mercury lamp/5W-LED fluorescence lamp
Infinity Fluorescence Objective	10X	L Plan Fluor 10X/0.3 W.D.=10mm
	20X	L Plan Fluor 20X/0.45 W.D.=6.6mm
	40X	L Plan Fluor 40X/0.6 W.D.=3.5mm

Characteristics

- BDS400 inverted biomicroscope uses the optics infinity correction optical system
- For cell observation and culture, with international advanced level
- ***Both bright field and phase contrast observation requirements.***

BDS series inverted microscope parameter

Magnification range	40X~400X
Eyepiece	10X high eye-point, 22mm wild field
Objective	L Plan FL: 4X, 10X, 20X, 40X
	L Plan FL PHP: 4X, 10X, 20X, 40X
Eyepiece Head	Trinocular(Light Distribution: 100: 0 / 0:100 / 80:20)
Nosepiece	Quintuple
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Mechanical stage (available for 96 holes plate, moving range X×Y: 128×80mm.)
Culture Dish Holder	65mm, 54mm, 35mm,blood cell counter
Condenser	Long working distance, Quickly detachable, N.A.0.3
Koehler Illumination	5W-LED, 6V/30W halogen lamp



BDS400



BDS500

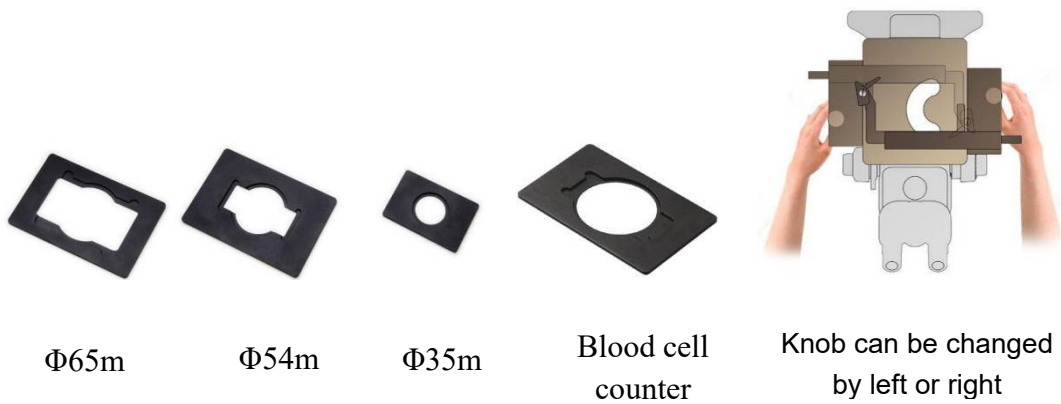


Working distance: 72mm, Mechanical stage available for 96 holes plate

Working distance: 195mm (without condenser),, available for extra high culture dish



Light distribution (both): 100 : 0 (100% for eyepiece);
 80 : 20 (80% for trinocular head and 20% for eyepiece)



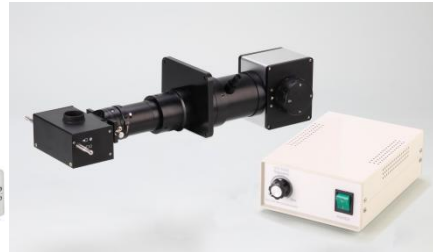
100W Mercury Epi
 fluorescence device



BDS400-FL



LED Epi
fluorescence device



BDS500-FL



BDS300

MIT Series Metallurgical Microscope

Item	Model	specification
Metallurgical Microscope	MIT200	Binocular, LPL FL5X/10X/50X, Quadplex Eyepiece 10X(20mm), Reticule Eyepiece 10X(20mm)
	MIT200-TR	Trinocular(80/20), LPL 5X/10X/50X, Quadplex Eyepiece 10X(20mm), Reticule Eyepiece 10X(20mm)
	MIT300	Trinocular, Polarizing unit, Quintuple LMPlan FL5X/10X/20X/50X(Semi Apochromatic Objective) Eyepiece 10X(22mm), Reticule Eyepiece 10X(22mm)
	MIT300D	Trinocular, Polarizing unit, Quadplex M PLAN 5X/10X/20X/50X(Bright & Dark Field) Eyepiece 10X(22mm), Reticule Eyepiece 10X(22mm)
	MIT500	Trinocular, Polarizing unit, Quintuple LMPlan FL5X/10X/20X/50X(Semi Apochromatic Objective) Eyepiece 10X(22mm), Reticule Eyepiece 10X(22mm)
	MIT500D	Trinocular, Polarizing unit, Quadplex M PLAN 5X/10X/20X/50X(Bright & Dark Field) Eyepiece 10X(22mm), Reticule Eyepiece 10X(22mm)

Options

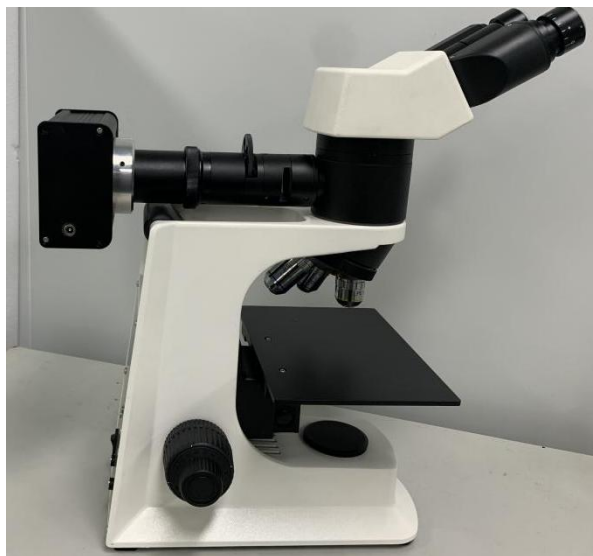
Metallurgical LWD Infinity Plan Objective		LPL80X
		LMPlan FL 100×/0.85 (Dry) (Semi Apochromatic Objective)
C-mount	B3-1XC	Adopt digital camera, Focus adjustable
	0.35X	Adopt digital camera, Focus adjustable
	B3-0.5XC	Adopt digital camera, Focus adjustable
	B3-0.75XC	Adopt digital camera, Focus adjustable
Polarizing Unit		Polarizer, Analyzer (MIT200)
Filter		Blue, Green, Amber, Grey

Characteristics

- Dark field objective, Make observation in dark & bright field.
- Oversize view field eyepiece, view field up to 22mm for comfortable observation.
- Trinocular head with dual transform.

MIT300/500 metallurgical microscope parameter

Magnification range	50X~1000X
Eyepiece	10X high eye-point, 22mm wild field
Objective	LWD Infinity Plan Objective: (Semi Apochromatic Objective) LMPlan FL 5X, 10X, 20X, 50X, 100X; LPL 80X LWD Infinity Plan Objectives for Bright & Dark Field: M PLAN 5X, 10X, 20X, 50X
Eyepiece Head	Trinocular(Light Distribution: 100: 0 / 80:20)
Nosepiece	Quadplex, Quintuple
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	Mechanical stage
Condenser	Abbe N.A.1.25 , with Iris Diaphragm
Reflecting Illumination	5WLED lamp, 12V/50W Halogen lamp
Transmitting Illumination	5W-LED lamp, 12V/30W halogen lamp
Digital Photography	Can equip with CANON, NIKON, OLYMPUS etc.



MIT200

Butterfly binocular
Head-Tubes which can be
360° rotated



5V-12V low voltage input to
ensure safe use.
Power bank can be used for
power supply, more convenient



MIT300



MIT500



Light distribution (both): 100: 0 (100% for eyepiece)

80:20 (80% for trinocular head and 20% for eyepiece)



- 1. Polarizer 2. Filter switch handle 3. Field diaphragm 4. Aperture diaphragm
- A. Analyzer B. Ground glass slider

MDJ/MDS Inverted Metallurgical Microscope

Item	Model	specification
Inverted Metallurgical Microscope	MDJ100	Monocular, Eyepiece 10X(18mm) LPL 5X/10X/50X, 3W-LED
	MDJ200	Binocular, Eyepiece 10X(18mm) LPL 5X/10X/50X, 3W-LED
	MDJ300	Trinocular, Eyepiece 10X(18mm) LPL 5X/10X/50X, 3W-LED, Built-in 0.5X C-mount
	MDS300	Butterfly Binocular, Three light port, Built-in 0.65X C-mount Eyepiece 10X(20mm),Reticule Eyepiece 10X(20mm) LPL 5X/10X/20X/50X, 5WLED Warm lamp
	MDS400	Trinocular, LPL 5X/10X/20X/50X, 12V/50W Halogen Eyepiece 10X(22mm),Reticule Eyepiece 10X(20mm)
	MDS400D	Trinocular, M PLAN 5X/10X/20X/50X, 12V/50W Halogen Eyepiece 10X(22mm),Reticule Eyepiece 10X(20mm)

Options

Metallurgical LWD Infinity Plan Objective		LPL80X
		LMPlan FL 100×/0.85 (Dry) (Semi Apochromatic Objective)
C-mount	B3-1XC	Adopt digital camera, Focus adjustable
	0.35X	Adopt digital camera, Focus adjustable
	B3-0.5XC	Adopt digital camera, Focus adjustable
	B3-0.75XC	Adopt digital camera, Focus adjustable

Characteristics

- New research and new development
- Combination with bright field, dark field, polarizing observation etc. Widely used in metal, mineral, electronic field

MDJ inverted metallurgical microscope parameter

Magnification range	50X~1000X
Eyepiece	10X high eye-point, 18mm wild field
Objective	Metallurgical LWD infinity plan objectives(LPL) 5X, 10X, 20X, 50X, 80X, 100X
Eyepiece Head	Monocular, Binocular, Trinocular
Nosepiece	Quadplex
Focusing Knob	Coaxial coarse and fine focusing knob

Stage	Mechanical stage size:180×180mm, Travel range:30×30mm
Illumination	3W LED or 12V/20W Halogen lamp
Extent	Digital camera, digital photography

MDS inverted metallurgical microscope parameter

Magnification range	50X~1000X
Eyepiece	10X high eye-point, 22mm wild field
Metallurgical infinity objectives	LWD Plan Semi Apochromatic Objective (LMPlan FL) 5X, 10X, 20X, 50X, 100X, LPL80X for Bright/Dark Field(M PLAN) 5X, 10X, 20X, 50X
Eyepiece Head	Trinocular(Light Distribution: 100: 0 / 80:20) MDS300 light distribution is 70:30
Nosepiece	Quintuple Quadplex(specially for bright /dark field objectives)
Focusing Knob	Coaxial coarse and fine focusing knob
Stage	three-layer working stage mechanical stage
Illumination	5W LED (MDS300) or 12V/50W Halogen lamp(MDS400)



MDJ100



MDJ200





MDS300



MDS300-2



MDS400



Polarizing unit and Halogen lamp



LPL objectives



M PLAN objectives



B-POL/SMART-POL Polarizing Microscope

Item	Model	specification	
Polarizing Microscope	B-POL	Monocular, Eyepiece 10X(18mm) Non-stress achromatic objective 4X/10X/40X, observed by polarized light, orthogonal polarized light and vertebral light	
	SMART-POL	Binocular	Eyepiece 10X(20mm),Reticule Eyepiece 10X(20mm) Non-stress infinity Plan objective 4X/10X/20X/40X 5W LED lamp, Revolving round stage
	SMART-POL-TR	Trinocular	

Options

Objective		Non-stress achromatic objective 20X, 60X for B-POL
		Non-stress infinity Plan objective 60X, 100X for SMART-POL
Polarizing Attached	POL-YDC	
Mechanical Stage	POL-YDCLK	New structure, rotating non-contact objective lens

Characteristics

- Widely used in the field of geology, petroleum, coal chemical industrial, medical treatment, and teaching& scientific research of related majors in colleague and university
- A high-performance polarizing microscope with complete functions and good quality
- Adopts OTICS infinity optic system

B-POL/SMART-POL polarizing microscope parameter

Eyepiece	10X high eye-point, 18mm/20mm wild field
Objective	Non-stress achromatic objective 4X, 10X,20X, 40X, 60X
	Non-stress infinity Plan objective 4X,10X, 20X, 40X, 60X, 100X
Eyepiece Head	Monocular, Butterfly Binocular, Butterfly Trinocular
Nosepiece	Quadplex(B-POL), Quadplex(Center adjustable)
Focusing Knob	Coaxial coarse and fine focusing knob
Analyzer Unit	0-90° , It can be moved out of the optical path for single polarizing observe.
Bertrand Lens	It can be moved out of the optical path.
Slip	λ Slip (First Class Red), $1/4 \lambda$ Slip, Quartz Wedge(I -IV Class)
Revolving Round Stage	Rotatable 360°, Division 1°, Vernier division 6', can be locked. Diameter Φ 142mm
Illumination	3W LED lamp(B-POL)
	5W LED lamp or 12V/30W Halogen lamp (SMART-POL)
Condenser	Abbe N.A. 1.25 Non-stress



B-POL



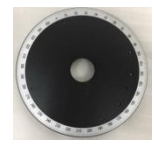
SMART-POL



SMART-POL-TR



Analyzer Unit & Bertrand Lens



Revolving Round Stage



$1/4 \lambda$ Slip
 λ Slip (First Class Red)



Quartz Wedge (I-IV Class)



POL-YDC



POL-YDCLK

BK-POL Professional Polarizing Microscope

Item	Model	specification	
Polarizing Microscope	BK-POL	Binocular	Eyepiece 10X(22mm),Reticule Eyepiece 10X(22mm) Non-stress Infinity Plan Objective (Transmitting)
		Trinocular	PLAN 4X/10X/20X/40X, Swing-out condenser
	BK-POLF	Binocular	Eyepiece 10X(20mm),Reticule Eyepiece 10X(20mm) Non-stress LWD Infinity Plan Objective (Reflecting)
		Trinocular	LMPLAN FL5X/10X/20X/50X
	BK-POLR	Binocular	Eyepiece 10X(20mm),Reticule Eyepiece 10X(20mm) Non-stress Infinity Plan Objective (Transmitting)
		Trinocular	PLAN 4X/10X/20X/40X, Non-stress LWD Infinity Plan Objective (Reflecting) LMPlan FL 50X, Swing-out condenser

Options

Polarizing Attached	POL-YDC	
Mechanical Stage	POL-YDCLK	New structure, rotating non-contact objective lens

Characteristics

- Also named mineralogical microscope, is necessary for researching double refraction sample, which is widely used in geology, mineral, chemical industry, medical, drug, criminal investigation fields etc.

BK-POL professional polarizing microscope parameter

Eyepiece	10X high eye-point, 22/20mm wild field
Objective	Non-stress Infinity Plan Objective (Transmitting) PLAN 4X, 10X, 20X, 40X, 60X, 100X
	Non-stress LWD Infinity Plan Objective(Reflecting) LMPLAN FL5X, 10X, 20X, 50X, 100X (Semi Apochromatic Objective)
Eyepiece Head	Binocular, Trinocular(Light Distribution: 100: 0 / 80:20)
Nosepiece	Quintuple (center adjustable)
Focusing Knob	Coaxial coarse and fine focusing knob
POL Media	Analyzer rotatable 360° , module type, can be locked
	Bertrand lens, Built-in, focus adjustable
Slip	λ Slip (First Class Red), 1/4 λ Slip, Quartz Wedge(I -IV Class)
Revolving Round Stage	Rotatable 360°, center adjustable, can be locked. division 1°, vernier division 6'. Diameter Φ 174mm
illumination	5W LED lamp or 12V/30W Halogen lamp (transmitting) 5W LED lamp or 12V/50W Halogen lamp (reflecting)
Swing-out Condenser	N.A.0.9/0.13, polarizing unit (with scale, rotatable 360°,can be locked)



BK-POL



BK-POLF



BK-POLR



BK-POL with Tablet



- ◆ Attached polarizing mechanical stage: professional design for laboratory' s user to avoid objective hitting.
- ◆ Compensator: Quartz wedge, First class red slip, $\lambda/4$ slip.
- ◆ Swing-out condenser, Swing the lens in to get excellent image when using high power objective to make observation.

SZ Series Stereo Zoom Microscope

Item	Model	specification	
Stereo Zoom Microscope	SZ650	Binocular, Eyepiece 10X(22mm), 3W LED Zoom range 0.7X-4.5X, Arm Stand	
	SZ680	Binocular	Eyepiece 10X(23mm), 3W LED
		Trinocular	Zoom range 0.68X-4.7X, Arm stand
	SZ810	Binocular	Eyepiece 10X(24mm), 3W LED
Trinocular		Zoom range 0.65X-5.3X, Arm Stand	

Options

Eyepiece	SZ-15X	15XEyepiece/Φ 16 mm
	SZ-20X	20XEyepiece/Φ 12mm
C-mount	SZ-1XC	Adopt digital camera, Focus adjustable
	SZ-0.5XC	Adopt digital camera, Focus adjustable
	SZ-0.75XC	Adopt digital camera, Focus adjustable
Stand	Pillar	Coarse Focusing Knob, Without up-down light
	Focusing Arm	Coarse and fine focusing knob, With or without light

Characteristics

- Elegant shape , high-end and integrated appearance design, comfortable operation
- High resolution, large depth of field, excellent color restoration and contrast.
- No tilting Image in left &right light path in complete pupillary distance, No dizziness feeling after long time observing.
- Video Output Distribution: 100% (0:100 standard) ; 30:70 optional

SZ series stereo zoom microscope parameter

Model	SZ650	SZ680	SZ810
Objectives Zoom Range	0.7X-4.5X	0.68X-4.7X	0.65X-5.3X
Zoom Ratio	1 : 6.5	1 : 6.8	1 : 8.1
Field Diameter (mm)	Φ22	Φ23	Φ24
Working Distance (mm)	110	110	110
Stereo Angle (°)	12	12	12
Viewing Angle (°)	40	35	35
Interpupillary Adjustable Distance (mm)	50-75	50-75	50-75
Video Output Distribution	NO	100% (0:100 standard)	
		30:70 optional	
Guide Rail Stand Focusing Distance	80mm		
Pillar Stand Focusing Distance	115mm		

SCOPE



SZ650BP



SZ680/810BP



SZ680/810TP



SZ650B2L



SZ680/810B2L



SZ680/810T2L

Photography System



Camera System



LED Ring Light



Dark Field Device



Objectives



X-Y moving Mechanical Stage

Other Stereo Microscope

XT24 Stereo Microscope Characteristic

Objective	Eyepiece						Working Distance
	WF10x/20mm		WF15X/15mm		WF20X/10mm		
	magnification	view field	magnification	view field	magnification	view field	
1X	10X	20mm	15X	15mm	20X	10mm	100mm
2X	20X	10mm	30X	7.5mm	40X	5mm	
3X	30X	7.5mm	45X	5mm	60X	3.3mm	
4X	40X	5mm	60X	3.3mm	80X	2.5mm	

- Viewing head: 45 degree inclined 360 degree rotatable binocular head; the inter-pupillary distance adjustable between
- 55-75mm. Diopter adjustable of range +_5mm
- Eyepiece: wide field , high-point eyepiece , it can observe image of observation specimen with glasses.
- Objective: turret objective 2x/4x,1x/2xand 1x/3xfor option
- Working distance: 100mm, special maximum working distance can provide more working space for you.
- Illumination: Built-in and built-out illumination system .(include: halogen lamp; loop fluorescence and LED lamp.)
- Focusing: Two focusing knobs also used for tension adjustment , slide range 49mm



XT24 Stereo Microscope
(no illumination)



XT24 Stereo Microscope
(with up and down LED illumination)

XTL7045 Series Stereo Microscope Characteristic

Binocular Head Angle of viewing	45°
Zoom ratio	1:6.4
Zoom ratio	WF10X/20mm
Objective	0.7X-4.5X
Interpupillary distance adjustment range	55-75mm
Working distance	100mm
Pillar height	240mm
Base size	285x238mm
Focusing Unit	Coaxial coarse knobs on the both sides, coarse stroke 50mm

XTL series zoom microscope adopts streamline integrated mechanical design, Easy operation, long working distance, clear resolved image, enclosure integrated. The microscope is used extensively world medical research and health care, biology and botany research, and agriculture, as well as in electronic component manufacturing . Specially suited for LED, PCB inspection, pressing plating and electronic component inspection.

Configuration: Pillar base with reflected and transmitted LED illumination



XTL7045-B1



XTL7045-B2



XTL7045-J1



XTL7045-J5

Integrated Digital Microscope

Item	Model	specification
Integrated Digital Microscope	B302E500	Binocular, Eyepiece 10X(20mm) Infinity EPLAN Objective 4X/10X/40X/100X 5 MP Pixel Digital Head, Mechanical stage size 145mm*140mm
	SMARTe-500	Binocular, Eyepiece 10X(20mm), 5 MP Pixel image systems Infinity EPlan Objective 4X/10X/40X/100X Built-in 5MP digital camera system

Options

The Other specifications are same as the B302 and SMART model



B302E500



SMARTe-500



9.7 inches tablet



3MP digital camera



5MP digital camera



12MP digital camera

These are all used with trinocular microscope