

PROVIDE MORE THAN YOU EXPECTED

BestScope Microscopes



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BS-1000 Series Monocular Zoom Microscope

1. BS-1010 Monocular Zoom Microscope



BS-1010A



BS-1010B



BS-1010C



BS-1010D



BS-1010E

Introduction

BS-1010 Series Monocular Zoom microscopes are precise optical system providing high resolution and sharp stereoscopic images. BS-1010A and BS-1010B can be flexibly equipped with a microscope stand, they also can be integrated in a semi-conductor and integrate circuit board production line. BS-1010B comes with a C-mount, it can work with various digital cameras.

Features

1. High quality zoom optical system 1:6.5.
2. Compact structure makes it occupy less working Space.
3. Various Digital cameras can be used with the microscope for image capture and analysis..

Application

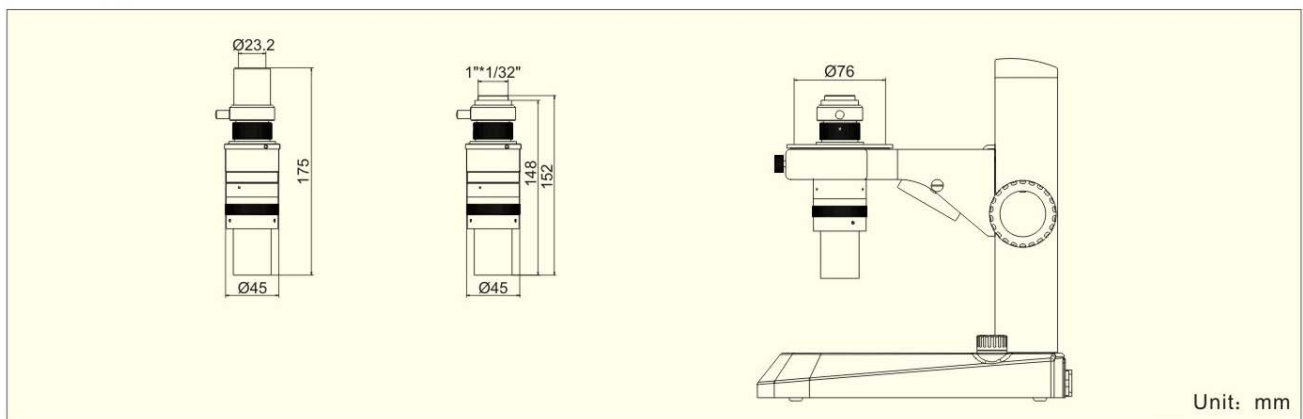
BS-1010 series Monocular Zoom Microscope are widely used in educational demonstration, agriculture research, industrial material, semi-conductor and integrated circuit inspection area and so on.

Specification

Item	Specification	BS-1010A	BS-1010B	BS-1010C	BS-1010D	BS-1010E
Body	Eyepiece WF10×/18	●	●	●	●	●
	Zoom Ratio: 1: 6.5 (0.7×-4.5×)	●	●	●	●	●
	Total Magnification: 7×-45×	●	●	●	●	●
	Working Distance: 90mm	●	●	●	●	●
	Connecting Diameter: 45mm					
Video System	C-mount Adapter 1×		●	●	●	●
	C-mount Adapter 0.5×		○	○	○	○
	C-mount Adapter 0.67×		○	○	○	○
	Various Digital Cameras		○	○	○	○
Optional Accessories	Auxiliary Objective	0.3×	○	○	○	○
		0.5×	○	○	○	○
		2×	○	○	○	○
Illumination	1W Reflected and 3W transmitted LED illumination			●		
	6V/15W Reflected and 6V/20W transmitted halogen illumination				●	
	Fluorescent ring light					●
	LED ring light					○
	Cold light illumination	○	○	○	○	○
Stand	BSZ-F23 stand with LED illumination	○	○	●		
	BSZ-F12 stand with halogen illumination	○	○		●	
	BSZ-F8 stand with fluorescent ring light	○	○			●

Note: ●Standard Outfit, ○Optional

Dimension



2. BS-1020 Monocular Microscope



Introduction

BS-1020 monocular microscope adopts high quality optical systems. Various digital cameras with C-mount can be used on the microscope. LED and halogen cold light source, coaxial illumination attachments, LED ring light, 3D attachment(can be used to observe from different angels), Metallurgical objectives, coarse and fine focus stand, abundant eyepieces tubes and objectives are optional.

Feature

1. With zoom magnification, zoom ratio is 1: 6.6.
2. Standard digital magnification is $21\times \sim 135\times$, the maximum digital magnification can be $5\times \sim 1080\times$.
3. LED and halogen cold light source, coaxial illumination attachments, LED ring light are optional.
4. 3D attachment is optional to observe specimens from different angels.
5. Coarse & fine focus stand and universal stands are optional.
6. Alternative objective lens and eyepiece are available, so as to obtain a multiple magnification.

Application

With excellent performance, complete accessories, simple and easy to operate, BS-1020 can be widely used in electronic industry, small precision parts inspection, assembly, repair, especially for observation of surface structure. It also can be applied to biological anatomy, jewelry inspection and schools academic use.

Specification

Item	Specification	BS-1020
Video Eyepiece with C-mount (Field of view angle: 7.6°)	0.35×, Parfocal distance 67mm, Length 76mm	○
	0.5×, Parfocal distance 90mm, Length 97mm	●
	0.75×, Parfocal distance 135mm, Length 103mm	○
	1×, Parfocal distance 180mm, Length 130mm	○
	1.5×, Parfocal distance 270mm, Length 189mm	○
	2×, Parfocal distance 360mm, Length 252mm	○
Objective (Field of view angle: 19.5°)	0.3×, Parfocal distance 333mm, Working distance 331mm	○
	0.5×, Parfocal distance 200mm, Working distance 198mm	○
	0.75×, Parfocal distance 133mm, Working distance 131mm	○
	1×, Parfocal distance 100mm, Working distance 96mm	●
	1.5×, Parfocal distance 67mm, Working distance 63mm	○
	2×, Parfocal distance 50mm, Working distance 46mm	○
Total Digital magnification	20×-135× (with 0.5X video eyepiece, 1X objective)	●
Zoom magnification	0.7×-4.5×	●
Zoom Ratio	1:6.6	●
Total Optical magnification	0.21×-18×	●
Field of view	0.3mm ~ 77mm	●
Monocular microscope Size	Φ39mm, length: 200mm	●
Digital cameras	Various digital cameras with C-mount	○
Illumination	Coaxial LED illumination	○
	Coaxial Cold light illumination	○
	LED ring light	○
3D Attachment	Manual 3D attachment is used to observe specimens from different angles	○
Stand	Various stands are available	○
Stand Size	26cm×27cm×28cm	●
Package	1 pc/carton, 30cm×31cm×52 cm, 4 kgs	●

Note: ●Standard Outfit, ○Optional

Total Digital Magnification

Objective	0.3×		0.5×		0.75×		1.0×		1.5×		2.0×	
Working Distance	331mm		198mm		131mm		96mm		63mm		46mm	
Eyepiece	Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)	Mag.	FOV (mm)
	0.35×	4.65-31×	77-12	6-41×	59-9	9-61×	39-6	12-81×	29-4	18-121×	19.6-3	24-162×
0.5×	7.8-51×	46-7	10-68×	35-5	15-101×	23.5-4	20-135×	17.6-3	31-203×	11.8-2	41-270×	8.8-1.3
0.75×	11.6-77×	31-4.7	15-101×	23.5-3.6	23-152×	15.7-2.4	30.6-202×	12-1.8	46-304×	7.8-1.2	61-405×	6-0.9
1.0×	15.5-102×	23-3	20-135×	17.6-2.7	30.6-202×	12-1.8	41-270×	9-1.6	1-405×	6-0.98	1.6-540×	4-0.7
1.5×	23-154×	15-2.3	31-203×	11.8-1.8	46-304×	7.8-1.2	61-405×	6-0.99	2-607×	4-0.61	22-810×	3-0.4
2.0×	31-205×	11.6-1.7	41-270×	8.8-1.3	61-405×	6-0.9	81.6-540×	4-0.71	22-810×	3-0.41	63-1080×	2-0.3

Optional Accessories

1. Digital camera

BUC2B, BVC, BHC, BLC series and other digital cameras.

2. Illumination

(1) BAL-72 Ring LED Light



Features

- a. Intensity adjustment, Permit gradual increase in brightness with Four-zone lighting control separately;
- b. Reliability and durability;
- c. Low power consumption, super brightness;
- d. Metal shell, ESD and insulative;
- e. Even light, non-flicker & shadow.

Specification

LED Quantity	72LEDs
Mounting Diameter	62mm, Outer Diameter: 98mm
Input Power	DC12V 600mA
Input Voltage	Universal 100-240V AC
Output Power	7.2W
LED Color Temperature	6500K
LED Luminance	15000mcd
LED Angle	18° (Consistent)
LED Lifetime	100,000 hrs
Working Distance	95-115mm
LED Color	White (Optional Other Colors)
Light Control Box	4 zones separately controlling

(2) Coaxial illumination device



Coaxial illumination device
with halogen cold light



Coaxial illumination device
with LED illumination

3. Infinity metallurgical Objective Lens



Infinity metallurgical
Objective Lens are also
available for some high
magnification observation.

4. 3D View attachment



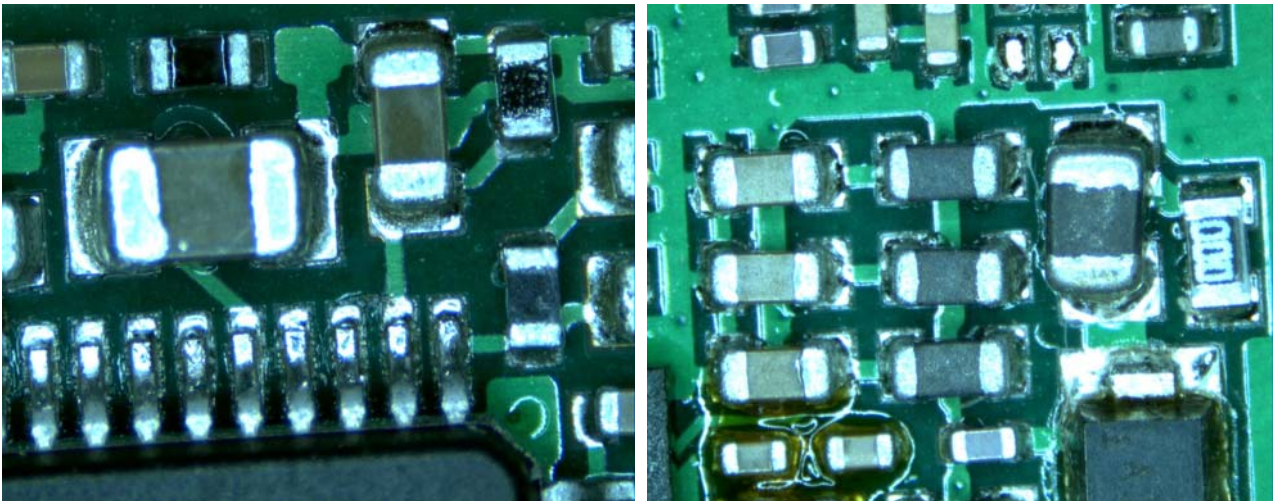
With the 3D attachment, the
objective can rotate 360°,
so the microscope can
observe the specimens
from different view. This
function is very useful in
industrial inspection area.

5. Coarse and fine adjustment stand



Coarse and fine adjustment stand, large base. The dimension for the stand is 300(L)*230(W)*346.5(H) mm

Sample image



3. BS-1030 Monocular Microscope



BS-1030



BS-1030A

Introduction

BS-1030 monocular microscope is specially designed to work with digital cameras which have C-mount. It has features of high-resolution, high contrast, large depth of field, long working distance, high zoom ratio and easy to operate. It consist of objective, zoom body and video eyepiece. The standard configuration comes with 1× video eyepiece and 1× objective. 0.5×, 0.75×, 1.5×, 2×video eyepieces and 0.5×, 0.75×, 1.5×, 2× objectives are optional.

Features

1. High resolution and high zoom ratio(1:8).
2. Long working distance of 117mm.
3. Wide field of view: upto 222mm(calculated with camera sensor of 1/2").
4. Alternative objective lens and eyepiece are available, so as to obtain a multiple magnification.

Applications

With excellent performance, complete accessories, easy to operate features, BS-1030 can be widely used in semiconductor and electronic industry for small parts inspection, assembly and repair. It also can be applied to biological anatomy, jewelry inspection, schools education and research areas with special stand and objectives.

Specification

Item	Specification	BS-1030	BS-1030A
Video Eyepiece	1×	●	●
	0.5×	○	○
	0.75×	○	○

	1.5×	○	○
	2×	○	○
Objective	1×, WD: 117mm	●	●
	0.5×, WD: 235mm	○	○
	0.75×, WD: 156mm	○	○
	1.5×, WD: 76mm	○	○
	2×, WD: 57mm	○	○
Zoom Magnification	0.4×-3.2×	●	●
Zoom Ratio	1:8	●	●
Optical Magnification Range	0.1×-12.8×(With optional eyepiece and objectives)	●	●
Max. Adaptive Sensor size	2/3"	●	●
Mounting Diameter	45mm	●	●
Camera Connector	Standard C-mount	●	●
Stand	Coarse focus, Column height: 326mm, Focusing Range: 160mm, Base dimension: 318×308×16mm		●

Note: ● Standard Outfit, ○ Optional

The optical magnification is as following:

Objective	Video Eyepiece					Working Distance (mm)
	0.5×	0.75×	1×	1.5×	2×	
0.5×	0.1×~0.8×	0.15×~1.2×	0.2×~1.6×	0.3×~2.4×	0.4×~3.2×	235
0.75×	0.15×~1.2×	0.225×~1.8×	0.3×~2.4×	0.45×~3.6×	0.6×~4.8×	156
1×	0.2×~1.6×	0.3×~2.4×	0.4×~3.2×	0.6×~4.8×	0.8×~6.4×	117
1.5×	0.3×~2.4×	0.45×~3.6×	0.6×~4.8×	0.9×~7.2×	1.2×~9.6×	76
2×	0.4×~3.2×	0.6×~4.8×	0.8×~6.4×	1.2×~9.6×	1.6×~12.8×	57

Optional Accessories

1. Digital camera

BUC2B, BVC, BHC, BLC series and other digital cameras.

2. Illumination

BAL-72 Ring LED Light



Features

1. Intensity adjustment, Permit gradual increase in brightness with Four-zone lighting control separately;
2. Reliability and durability;
3. Low power consumption, super brightness;
4. Metal shell, ESD and insulative;

5. Even light, non-flicker & shadow.

Specification

LED Quantity	72LEDs
Mounting Diameter	62mm, Outer Diameter: 98mm
Input Power	DC12V 600mA
Input Voltage	Universal 100-240V AC
Output Power	7.2W
LED Color Temperature	6500K
LED Luminance	15000mcd
LED Angle	18° (Consistent)
LED Lifetime	100,000 hrs
Working Distance	95-115mm
LED Color	White (Optional Other Colors)
Light Control Box	4 zones separately controlling

3. Stand

Different stands can be used with BS-1030 monocular camera. The mounting diameter of BS-1030 is 45mm.



BSZ-F17

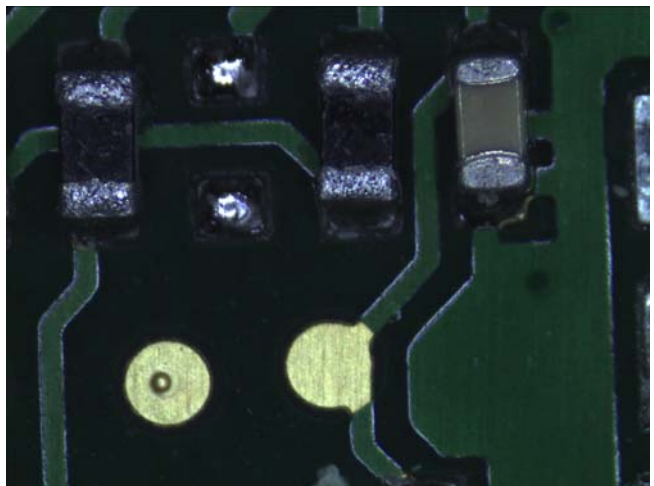
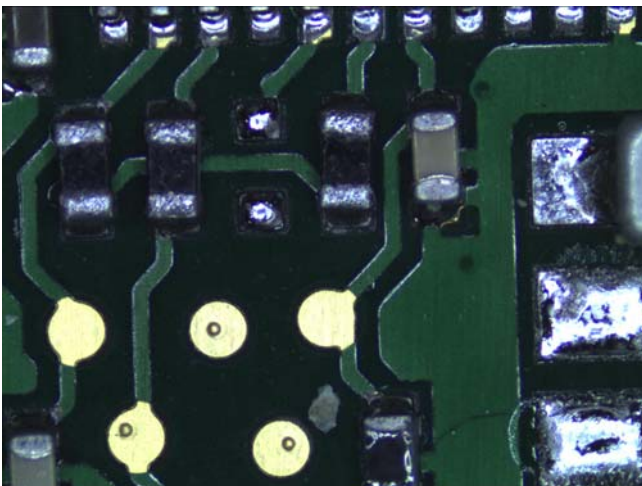


BS-F22



BSZ-F23

Sample images



4. BS-1030(3D) Motorized Monocular Microscope



Introduction

BS-1030(3D) Motorized monocular microscope combines excellent zoom magnification optical system and precision electromechanical system. The motorized 3D attachment can observe the specimen from 360 degree with high-resolution, high contrast, large depth of field, long working distance and high zoom ratio. It consist of monocular microscope with C-mount, LED illumination and motorizing 3D unit. The standard configuration comes with 0.75× video eyepiece and 1× objective. 0.5×, 1×, 1.5×, 2×video eyepieces are optional. It is widely used in industrial area for SMT, PCB and other small parts inspection and assembling.

Features

1. High resolution and high zoom ratio(1:8).
2. 360 degree observation, can see from different angles.
3. Alternative eyepiece are available to obtain a multiple magnification.

Applications

With excellent performance, complete accessories, easy to operate features, BS-1030(3D) can be widely used in semiconductor and electronic industry for small parts inspection, assembly and repair. It also can be applied to biological anatomy, jewelry inspection, schools education and research areas.

Specification

Model		BS-1030(3D)
Video Eyepiece	0.5×	○
	0.75×	●
	1×	○
	1.5×	○

	2×	○
Objective	1×	●
Working Distance	117mm(from the specimen to illumination part, the distance is 66mm)	
Zoom Magnification	0.3×-2.4×	●
Zoom Ratio	1:8	●
Max. Adaptive Sensor size	2/3"	●
Mounting Diameter	45mm	●
Camera Connector	Standard C-mount	●
Stand	Coarse focus, Column height: 326mm, Focusing Range: 160mm, Base dimension: 318×308×16mm	●
Controlling Motors	High quality stepping motors	●
Controlling Box	Speed adjusting range: 6-15 rotation/min	●
Illumination	12V/10W LED illumination	●

Note: ● Standard Outfit, ○ Optional

BS-2000 Series Biological Microscope

1. BS-2000A, B, C Biological Microscope



Introduction

With sharp image, competitive and reasonable unit price, BS-2000A, B, C series microscopes are ideal instruments for student use. These microscopes are mainly designed for elementary school.

Specification

Item	Specification	BS-2000A	BS-2000B	BS-2000C
Eyepiece	Huygens Eyepiece H5×, H10×	●	●	●
	Huygens Eyepiece H12.5×	●		
	Huygens Eyepiece H16×		●	●
Objective	Achromatic Objective 10×, 40×	●	●	●
	Achromatic Objective 4×, 60×	○	○	○
	Achromatic Objective 100×	○	○	●
Nosepiece	Triple Nosepiece	●	●	●
Stage	Plain Stage with Slide Clips 110×120mm	●	●	
	Attachable Mechanical Stage 110×120mm/ 60×30mm	○	○	●
Condenser	Single Lens with Disc Diaphragm	●		
	Single Lens with Iris Diaphragm		●	
	Abbe Condenser with Iris Diaphragm and Filter			●
Illumination system	Plan-concave Mirror	●	●	●
	Attachable Illuminator	○	○	○
Filter	Blue Filter			●
	Green Filter			●

Note: ● Standard Outfit, ○ Optional

2. BS-2010 Biological Microscope



BS-2010D



BS-2010E

Introduction

BS-2010 series biological microscopes are more comfortable and reliable operation with modern design. These microscopes are economical microscope with all basic features for educational use in elementary and middle school.

Features

1. More comfortable and reliable operation with modern design.
2. Affordable price with reliable performance, long working life.
3. Smart and occupy small space.

Applications

These microscopes are economical microscope with all basic features for educational use in elementary and middle schools.

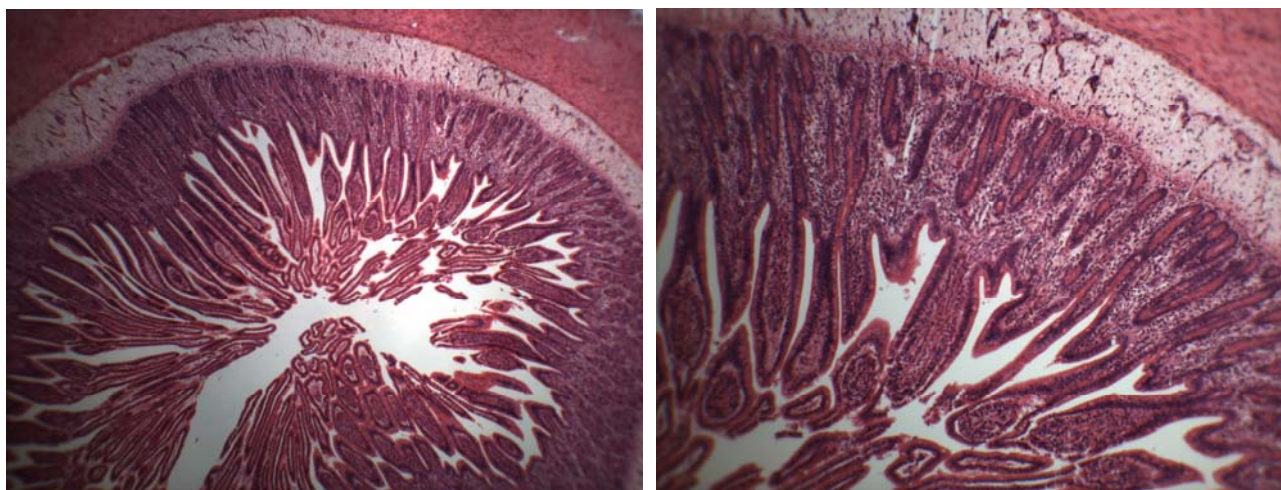
Specifications

Item	Specification	BS-2010B	BS-2010C	BS-2010D	BS-2010E
Viewing Head	Monocular, Inclined at 45°, 360° Rotatable	●	●	●	
	Sliding Binocular Head, Inclined at 45°, 360° Rotatable, 55-75mm				●
	Pointer for eyepiece	○	○	○	○
Nosepiece	Triple Nosepiece	●	●	●	
	Quadruple Nosepiece				●

Eyepiece	Wide Field Eyepiece WF10×/18mm	●	●	●	●
	Eyepiece WF5×, P16×	○	○	○	○
	Eyepiece WF10× with Pointer	○	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×(S)	●	●	●	●
	Achromatic Objective 20×, 60×	○	○	○	○
	Achromatic Objective 100×	○	○	○	●
Stage	Plain Stage with Slide Clips 110×120mm	●			
	Plain Stag with Attachable Mechanical ruler 110×120mm/ 60×30mm		●		
	Double Layers Mechanical Stage 110×120mm/ 70×20mm			●	●
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 10mm	●	●	●	●
Condenser	Single Lens NA 0.65 with Iris Diaphragm	●			
	Abbe NA 1.2 with Iris Diaphragm & Blue Filter, Spiral Adjustment for Condenser		●		
	Abbe NA 1.2 with Iris Diaphragm & Blue Filter, Rack and Pinion Adjustment for Condenser			●	●
Illumination	LED Illumination, Brightness Adjustable	●	●	●	●
	Mirror	○	○	○	○
Spare Parts	Dust Cover	●	●	●	●
Package	Styrofoam & Carton, Dimension 28×20×40 cm, 4kg	●	●	●	●
	Wooden Case & Carton, Aluminum Case & Carton	○	○	○	○
Power Supply	AC100-220V power adapter	●	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



3. BS-2010MD/BD Digital Microscope



BS-2010MD



BS-2010BD

Introduction

BS-2010MD/BD digital microscope feature a built-in 1.3MP Digital Camera and professional software offering high resolution and user friendly operation. This combination of microscope, digital imaging system and software is easy to operate and offers outstanding performance. It can take photos, videos and do measurement. Brightness adjustable LED illumination saves energy and has long working life.

Feature

1. Built-in 1.3 Mega Pixel CMOS camera, vivid images and real color reproduction.
2. High definition images and videos, high frame rate.
3. Professional image analyze software supports Windows Vista / Win 7 Operation System. The software can preview, take photos and video, do image processing and measurement.
4. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish and etc.).
5. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

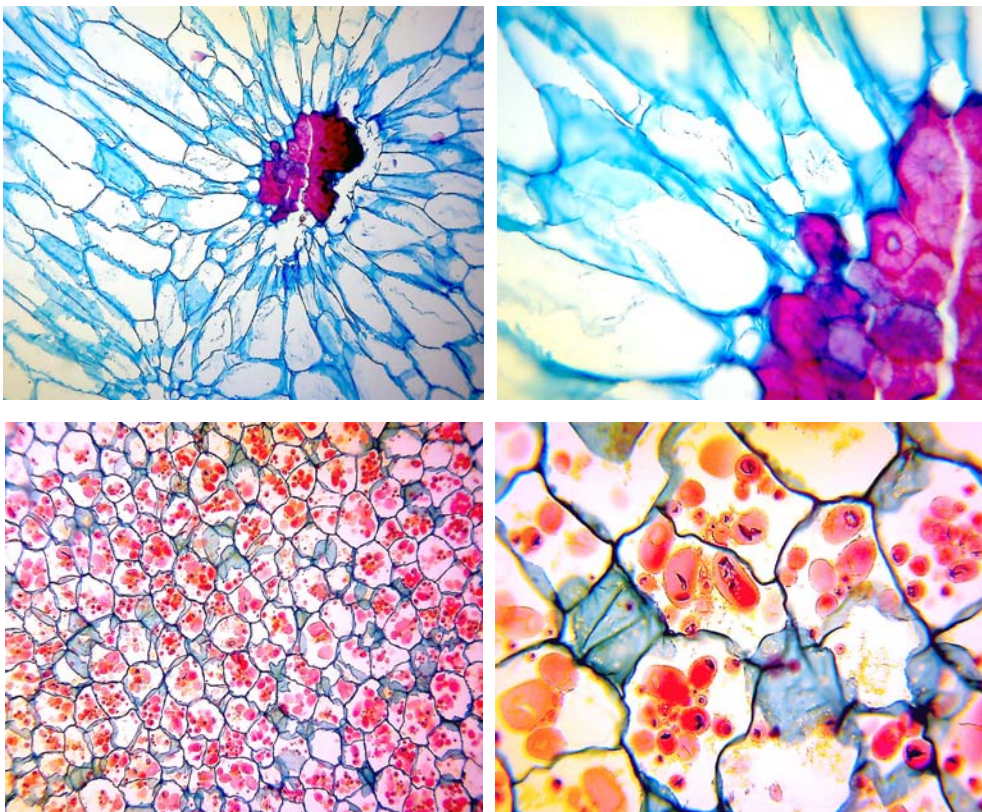
BS-2010MD/BD are primarily designed for school students to do image analysis and distant sharing. This unique combination of microscope, image system and software makes BS-2010MD/BD a professional tool for education applications. The microscopes also provide a superior cost effective solution for computer interactive laboratory, clinical environments and etc.

Specification

Item	Specification	BS-2010MD	BS-2010BD
Viewing Head	Monocular head, Inclined at 45°, 360° Rotatable	●	
	Binocular head, Inclined at 45°, 360° Rotatable, 55-75mm		●
Camera System	Resolution: 1280×1024(1.3MP)	●	●
	Output: USB2.0	●	●
	Operation System: Windows 2000/XP/VISTA/Win 7/Mac	●	●
	Software: ScopelImage 9.0	●	●
Eyepiece	Wide Field Eyepiece: WF10×/18	●	●
Objective	Achromatic Objective: 4×, 10×, 40×(S), 100×(S, Oil)	●	●
	Achromatic Objective: 20×, 60×	○	○
Stage	Double Layers Mechanical Stage: 115×125mm, Moving Range X-Y: 70×20mm	●	●
Condenser	Abbe NA 1.25 Condenser with Iris Diaphragm (Φ2-Φ28mm)	●	●
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 10mm	●	●
Illumination	LED illumination, brightness adjustable	●	●
Accessories	Operation manual, dust cover, AC adapter and USB cable	●	●
Power Supply	Rechargeable battery	○	○
Package	1pc/carton, 28cm×22cm×40cm, 5kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



4. BS-2020 Biological microscope



BS-2020M



BS-2020B



BS-2020T

Introduction

BS-2020 series microscopes are economic, practical and easy to operate. These microscopes adopt LED illumination, which saves energy, has long working life and also comfortable for observation. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug into the trinocular tube or the eyepiece tube. Built-in rechargeable battery is optional for outdoors operation or places that power supply is not stable.

Feature

1. Comfortable operation with updated and ergonomic design;
2. LED light illumination, save energy and long working life;
3. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

BS-2020 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

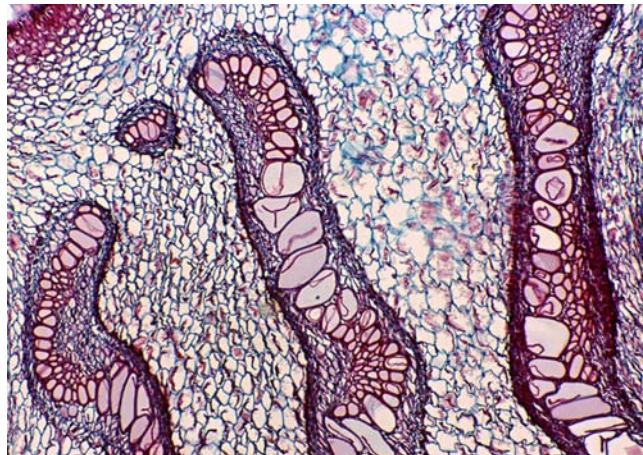
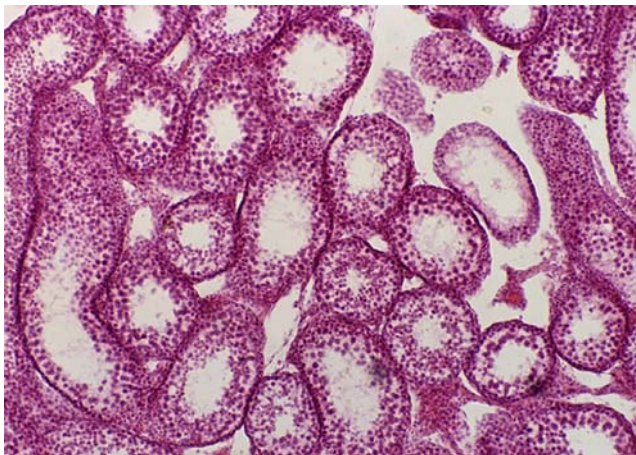
Specification

Item	Specification	BS-2020M	BS-2020B	BS-2020T
Viewing Head	Monocular Head, Inclined at 30°, 360° Rotatable	●		
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm		●	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 55-75mm			●
Eyepiece	WF10×/18	●	●	●
	P16×/11	○	○	○

Objective	Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●	●
Nosepiece	Backward Quadruple Nosepiece	●	●	●
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm	●	●	●
Condenser	Abbe NA 1.20 with Iris Diaphragm and Filter	●	●	●
Illumination	LED illumination, Brightness Adjustable	●	●	●
	Halogen Lamp 6V/ 20W, Brightness Adjustable	○	○	○
Immersion oil	5ml Immersion oil	●	●	●
Optional Accessories	Phase Contrast Kit	○	○	○
	Dark Field Attachment	○	○	○
	Polarization Attachment	○	○	○
	Rechargeable battery	○	○	○
Package	1pc/carton, 39.5cm*26.5cm*50cm, 7kg	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



5. BS-2020MD/BD Binocular digital microscope



BS-2020MD



BS-2020BD

Introduction

With 1.3MP colorful digital camera, competitive price and easy to operate features, the BS-2020MD/BD monocular/binocular digital microscopes are widely used in educational, academic, agricultural and study field. They are connected to a computer via a USB cable. The software is powerful and easy to operate, it can view images at real time, take photos and videos and do measurement.

Feature

1. Built-in 1.3 Mega Pixel CMOS camera, vivid images and real color reproduction.
2. High definition images and videos, high frame rate.
3. Professional image analyze software supports Windows Vista / Win 7 Operation System. The software can preview, take photos and video, do image processing and measurement.
4. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish and etc.).
5. Compact and flexible, ideally suited for desktop, laboratory worktable.

Application

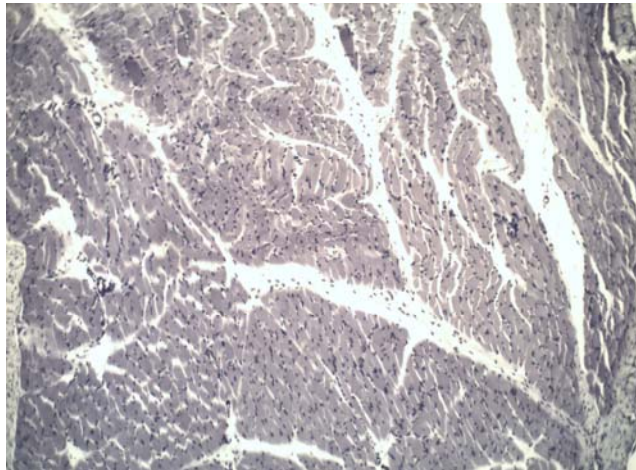
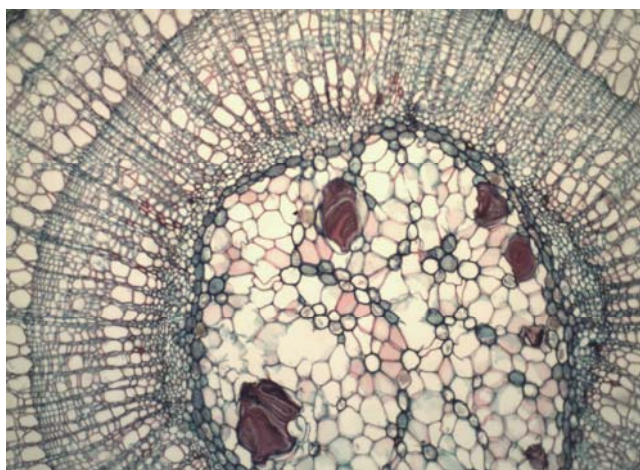
These microscopes are ideally suited for school biological education and medical analyses area. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

Specification

Item	Specification		BS-2020MD	BS-2020BD	
Viewing Head	Monocular Head with digital camera, Inclined at 30°, 360° Rotatable		●		
	Seidentopf Binocular Head with digital camera, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm			●	
	Camera System	Resolution	1280×1024 (1.3Mega Pixel)	●	●
		Output Mode	USB2.0	●	●
		Operation System	Window 2000/ XP/ Vista/ Win 7	●	●
		Software	ScopelImage 9.0	●	●
	Range of Viewing Field	90%	●	●	
Eyepiece	WF10×/ 18		●	●	
	P16×/ 11		○	○	
Nosepiece	Backward Quadruple Nosepiece		●	●	
Objective	Achromatic Objective 4×, 10×, 40×, 100×		●	●	
Stage	Double Layers Mechanical Stage 132×142mm/ 75×40mm		●	●	
Condenser	Abbe NA1.20 with Iris Diaphragm & Fliter		●	●	
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.004mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm		●	●	
Illumination	LED illumination, Brightness Adjustable		●	●	
	Halogen Lamp 6V/ 20W, Brightness Adjustable		○	○	
Optional accessories	Phase Contrast Kit		○	○	
	Dark-Field Attachment		○	○	
	Polarization Attachment		○	○	
	Rechargeable battery		○	○	
Package	1pcs/carton, 39.5cm*26.5cm*50cm, 8kg		●	●	

Note: ● Standard Outfit, ○ Optional

Sample Image



6. BS-2022 Series Biological Microscope



BS-2022B



BS-2022T

Introduction

BS-2022 series microscopes are economic, practical and easy to operate. These microscopes adopt LED illumination, which save energy and have long working life, it is also very comfortable for observation. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug into the trinocular tube or the eyepiece tube. Rechargeable battery is optional for outdoors operation or places that power supply is not stable.

Feature

1. New machining facility and advanced alignment technology;
3. Comfortable operation with updated and ergonomic design;
4. LED light illumination, save energy and long working life;
5. Compact and flexible, ideally suited for desktop, laboratory worktable;
6. Eyepoint height and interpupillary distance can be adjusted to fit for observation.

Application

BS-2022 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

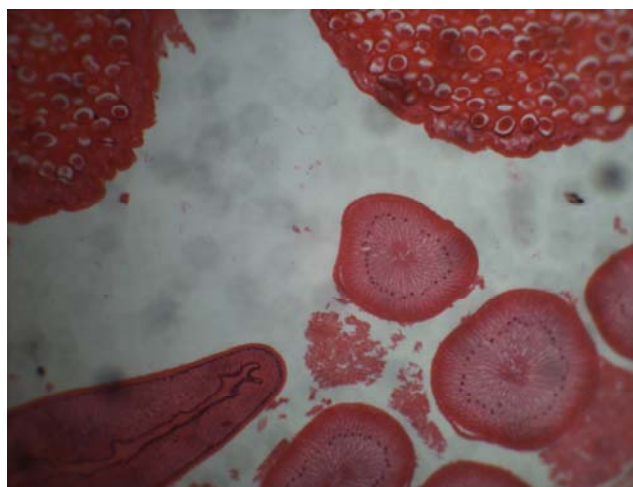
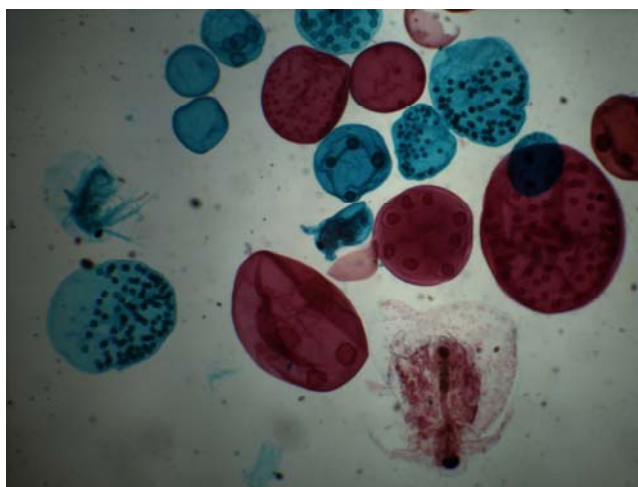
Specification

Item	Specification	BS-2022M	BS-2022B	BS-2022T
Viewing	Seidentopf Monocular Head, Inclined at 30°, 360° Rotatable	•		

Head	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm,		●	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm			●
Eyepiece	WF10×/18	●	●	●
	WF16×/12	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●	●
	Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)	○	○	○
	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●	●
Condenser	Abbe NA 1.25 with Iris Diaphragm and Filter	●	●	●
Illumination	3W LED illumination, Brightness Adjustable	●	●	●
	Halogen Lamp 12V/ 20W, Brightness Adjustable	○	○	○
	Kohler illumination	○	○	○
Optional Accessories	Phase Contrast Kit	○	○	○
	Dark Field Attachment	○	○	○
	Polarization Attachment	○	○	○
	Rechargeable battery	○	○	○
	Photo Attachment: Photo adapter for Nikon or Canon DSLR camera	○	○	○
	Video Attachment: 1X or 0.5X C-mount adapter	○	○	○
Package	1pc/carton, 32cm*26cm*44cm, 6kg	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Images



7. BS-2030 Biological Microscope



BS-2030B



BS-2030T



BS-2030BD

Introduction

With precision machining equipment and advanced alignment technology, BS-2030 series microscopes are classical biological microscopes. These microscopes are widely used in educational, academic, agricultural and study field. With a microscope adapter, a digital camera (or digital eyepiece) can be plug in to the trinocular tube or the eyepiece tube. Rechargeable battery(only for LED illumination) is optional for outdoors operation or places that power supply is not stable.

Feature

1. New machining facility and advanced alignment technology.
2. Comfortable operation with updated and ergonomic design;
3. Compact and flexible, ideally suited for desktop, laboratory worktable;
4. Interpupillary distance can be adjusted to fit for observation;
5. Support Windows Vista / Win 7 / Win8 / Mac Operation System. The software can preview, take photos and video, do image processing and measurement;
6. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish etc.).

Application

This binocular microscope is an ideal instrument in biological, histological, pathological field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

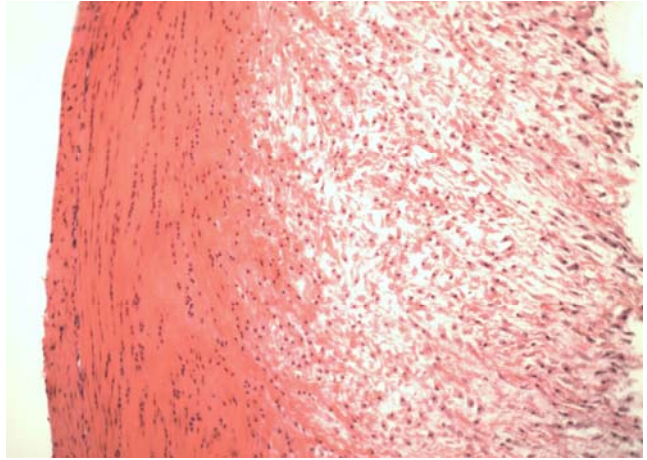
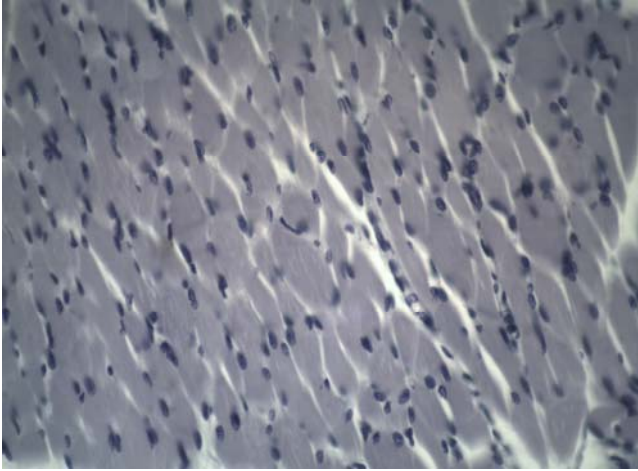
Specification

Item	Specification	BS-2030M	BS-2030B	BS-2030T	BS-2030BD
Viewing Head	Monocular Head Inclined at 45°, 360° Rotatable	•			

	Sliding Binocular Head Inclined at 45°, 360° Rotatable; interpupillary distance 55-75mm.		●		
	Sliding Trinocular Head, inclined at 45 ° and 360 ° Rotatable, interpupillary distance 55-75mm			●	
	Seidentopf Binocular Head Inclined at 45°, 360° Rotatable; interpupillary distance 48-75mm.		○		
	Sliding Binocular Head with 1.3MP digital camera, Inclined at 45°, 360° Rotatable; interpupillary distance 55-75mm.				●
	Anti-mould.	○	○	○	○
Eyepiece	Wide Field Eyepiece WF10×/ 18	●	●	●	●
	Wide Field Eyepiece WF16×/ 11	○	○	○	○
Nosepiece	Quadruple Nosepiece	●	●	●	●
	Quintuple Nosepiece	○	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●	●	●
	Achromatic Objective 20×, 60×	○	○	○	○
	Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○	○	○
Total magnifications	With 10x eyepiece: 40×, 100×, 400×, 1000×	●	●	●	●
	With 16x eyepiece: 64×, 160×, 640×, 1600×	○	○	○	○
Stage	Double Layer Mechanical Stage 140×140mm/ 75×50mm	●	●	●	●
Focus	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm	●	●	●	●
Condenser	Abbe NA 1.25 with Iris Diaphragm & Filter	●	●	●	●
Illumination	LED Illumination, Brightness Adjustable	●	●	●	●
	6V/20W Halogen light, Brightness Adjustable	○	○	○	○
	Plan-concave Mirror	●	●	●	●
Body / Energy	Firm Aluminum Body and built in power supply 110-240V	●	●	●	●
Supplied with	Dust cover, blue&green filter, immersion oil and user manual	●	●	●	●
Polarization Set	Simple Polarization Set	○	○	○	○
Phase Contrast Kit	Simple phase contrast kit	○	○	○	○
	Sliding phase contrast kit	○	○	○	○
	Turret phase contrast kit	○	○	○	○
Dark Field Attachment	Dark Field Attachment (Dry) NA0.9	○	○	○	○
	Dark Field Attachment (Oil) NA1.25-1.36	○	○	○	○
Fluorescent Attachment	YX-2B Fluorescent Attachment	○	○	○	○
Battery	Rechargeable battery(only for LED illumination)	○	○	○	○
Package	1pc/carton, 33cm×28cm×44cm×, 7kg	●	●	●	●

Note: ●Standard Outfit, ○ Optional

Sample Image



8. BS-2030F Fluorescent Biological Microscope



BS-2030FB



BS-2030FT

Introduction

BS-2030F series fluorescent microscopes are basic level microscopes which are specially designed for college education, medical and laboratory study. They have beautiful structure and ergonomic design. The excellent optical performance will make your works enjoyable.

Feature

1. Excellent fluorescent image with high resolution fluorescent objectives.
2. Protect the light leak with advanced lamp housing.
3. Perfect image with fluorescent objectives.
4. More stable power supply, digital display and timer.

Application

BS-2030F series fluorescent microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, clinics, hospitals, laboratories, institutes, academic laboratories, colleges and universities.

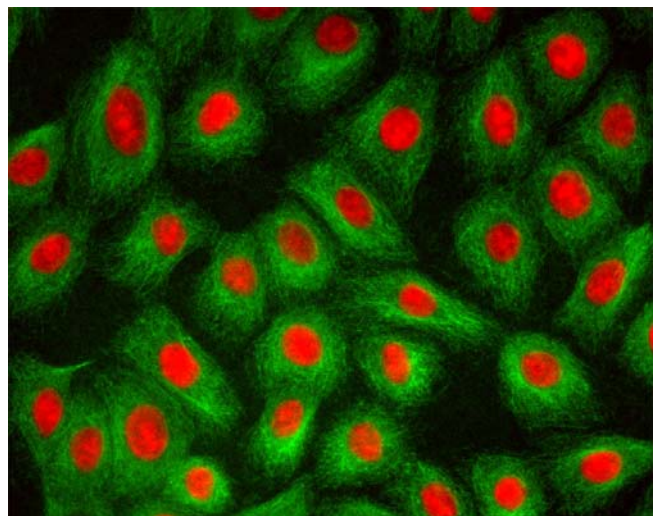
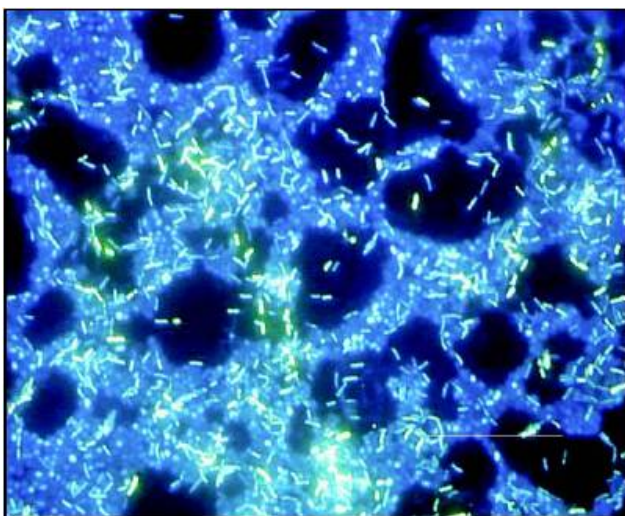
Specification

Item	Specification	BS-2030FB	BS-2030FT
Viewing Head	Sliding Binocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary distance 55-75mm, Anti-mould	•	
	Sliding Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary 55-75mm, Anti-mould		•
Eyepiece	Wide Field Eyepiece WF10×/18, Eyepiece Tube Diameter 23.2mm	•	•

	Wide Field Eyepiece WF16×/11	○	○			
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●			
	Fluorescent Achromatic Objective 4×, 10×, 40×, 100×	●	●			
	Achromatic Objective 20×, 60×	○	○			
	Plan Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○			
Nosepiece	Quadruple Nosepiece	●	●			
	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 28mm	●	●			
Stage	Double Layer Mechanical Stage 140×140mm, Cross Travel 75×50mm, Can Hold Two Sides	●	●			
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm & Filter	●	●			
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue Excitation	BP460~490	DM500	BA520	●	●
	Green Excitation	BP510~550	DM570	BA590	●	●
	Ultraviolet Excitation	BP330~385	DM400	BA420	○	○
	Violet Excitation	BP400~410	DM455	BA455	○	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp				●	●
Power Box	Power box NFP-1, 220V/ 110V Interchangeable, Digital Display				●	●
Transmitted Illumination	LED illumination, Brightness Adjustable				●	●
	6V/20W Halogen Lamp, Brightness Adjustable				○	○
	Plan-concave Mirror				○	○
Optional Accessories	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Dark Field Attachment				○	○
Package	2cartons/set, 33cm*28cm*44cm, 7kg; 38*45*26cm, 5kg				●	●

Note: ●Standard Outfit, ○Optional

Sample Image



9. BS-2035 Biological Microscope



BS-2035B



BS-2035T

Introduction

BS-2035 series microscopes are classical biological microscopes, the microscopes feature ingenious stand, backward nosepiece and flexible structure. It is widely used in biological, pathological, bacterial, histological, immune and genetic fields. With a microscope adapter, a digital camera (or digital eyepiece) can be plug in to the trinocular tube or the eyepiece tube. Nice shape, excellent optical system and flexible outfit make you enjoy the microscope.

Feature

1. Convenient and Comfortable Observing with High Point and Wide Field Eyepiece EW10×/ 20.
2. Sharp and Bright Image with Semi-plan Objectives.
3. Suitable for Different Region Power, supply with 100V-240V Multi-input Rating.

Application

BS-2035 series microscopes are ideal instrument for biology field, bacteriology field, immunology field, pharmacology field and so on. They widely used in academic, medical and clinical areas.

Specification

Item	Specification	BS-2035B	BS-2035T
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, interpupillary distance 55-75mm	●	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, interpupillary distance 55-75mm		●
Eyepiece	Wide Field Eyepiece EW10×/ 20	●	●
	Wide Field Eyepiece P16×/ 11	○	○
Objective	Semi-plan Achromatic Objective 4×, 10×, 40×, 100×	●	●

	Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
	Infinite Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●	●
Focus	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●
Condenser	NA 1.25 Abbe Condenser with Iris Diaphragm and Filter	●	●
Illumination	LED Illumination, Brightness Adjustable	●	●
	Halogen Lamp 6V/ 20W, Brightness Adjustable	○	○
	Kohler Illumination	○	○
Photo Attachment	Used to connect Nikon or Olympus DSLR camera to microscope		○
Video Attachment	C Mount 1× & 0.5×		○
Filter	Blue, Green Filter	●	●
Polarization Set	Simple Polarization Set	○	○
Phase Contrast Kit	Simple Phase Contrast Kit	○	○
	Sliding Phase Contrast Kit	○	○
	Turret Phase Contrast Kit	○	○
Dark Field Attachment	Dark Field Condenser (Dry) NA 0.7-0.9	○	○
	Dark Field Condenser (Oil) NA 1.25-1.36	○	○
Fluorescent Attachment	YX-2 Epi-fluorescent Attachment	○	○
Pointer	Green LED Pointer System	○	○
Dimension& G.W.	35cm*31cm*57cm, 9.5kg	●	●

Note: ●Standard Outfit, ○Optional

Accessories



Epi-fluorescent Attachment

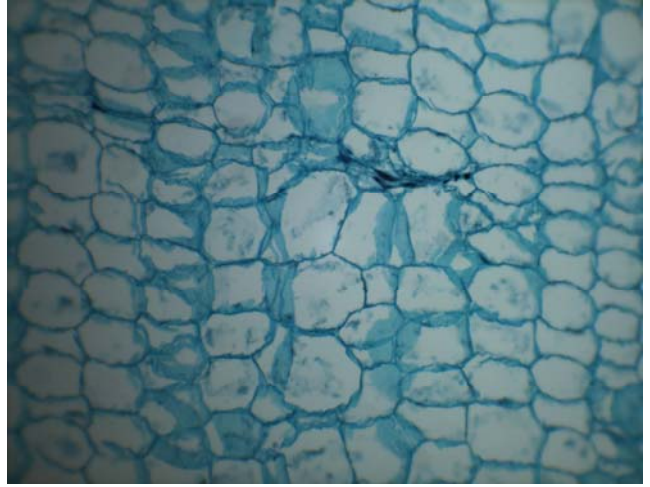
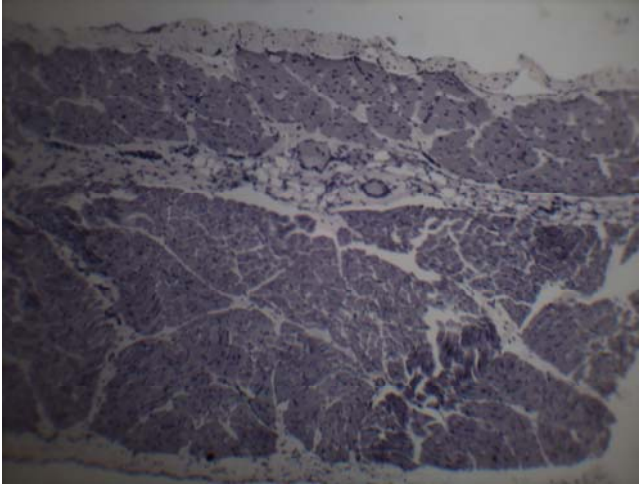


Turret Phase Contrast Kit



Dry, Oil Dark Field Condenser

Sample Image



10. BS-2035DA Digital Microscope



BS-2035DA1



BS-2035DA2

Introduction

BS-2035DA series digital microscopes are classical, the microscopes feature ingenious stand, sharp image, comfortable operation and high-resolution camera, which make your work much enjoyable. They are widely used in biological, pathological, bacterial, histological, immune, pharmacological and genetic fields. They are suitably used in hospitals, clinics, medical academies, morphology and related research centers.

Feature

1. High resolution, real-time image display by 1.3 Mega Pixel CMOS digital camera connecting to PC through USB2.0, 2.0MP, 3.2MP, 5.0MP cameras are optional.
2. Sharpe Image with Semi-plan Achromatic Objectives.
3. Easy to replace lamp.
4. Professional and powerful micro-image process and analysis software.

Application

BS-2035DA series digital microscopes are widely used in biological, pathological, bacterial, histological, immune, pharmacological and genetic fields. It is suitably used in hospitals, clinics, medical academies, morphology and related research centers.

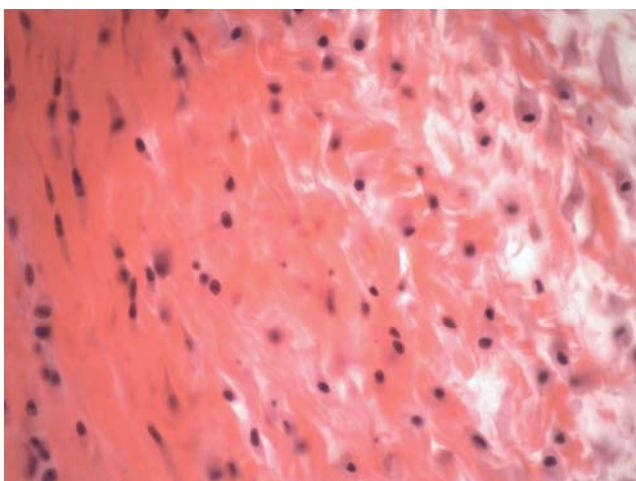
Specification

Item	Specification	BS-2035DA1	BS-2035DA2
Digital System	1.3MP CMOS digital camera with high-resolution, 1280×1024, USB2.0 output	●	●
	2.0MP CMOS digital camera with high-resolution, 1600×1200, USB2.0 output	○	○
	3.0MP CMOS digital camera with high-resolution, 2048×1536, USB2.0 output	○	○

	5.0MP CMOS digital camera with high-resolution, 2592×1944, USB2.0 output	○	○
Viewing Head	Seidentopf type Binocular Head at 30°, Interpupillary Distance 55-75mm	●	
	Seidentopf type Binocular Head at 30°, Interpupillary Distance 48-75mm		●
Eyepiece	Wide Field EW10/20	●	●
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Objective	Semi-plan Achromatic Objective 4×, 10×, 40×, 100×	●	●
	Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
	Infinite Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○
Condenser	NA1.25 Abbe Condenser with iris diaphragm and filter, rack & pinion adjustment	●	●
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●	●
Illumination	LED Illumination, Brightness Adjustable	●	●
	Halogen Lamp 6V/20W, Brightness Adjustable	○	○
	Kohler Illumination	○	○
Filter	Blue and Green Filter	●	●
Phase Contrast Kit	Turret Phase Contrast Kit	○	○
Polarization Set	Simple Polarization Attachment	○	○
Dark-field Attachment	Dark-field Condenser(Dry)	○	○
	Dark-field Condenser(Oil)	○	○
Pointer	LED Pointer	○	○
Software	ScopelImage 9.0	●	●

Note: ●Standard Outfit, ○Optional

Sample Image



11. BS-2036 Biological Microscope



BS-2036A/B/C



BS-2036AT/BT/CT

Introduction

BS-2036 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory study. It adopts an Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this biological microscope makes your works enjoyable.

Feature

1. Excellent optical system, outstanding image quality with high resolution and definition.
2. Comfortable operating with ergonomic design.
3. Unique aspheric illumination system, provide bright and comfortable lighting.
4. Various colors(White, Blue, Black) are available to provide lively environment and happy mood.
5. Various accessories are available for upgrading.



Back handle and observing hole convenient for carry and operation

Application

BS-2036 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

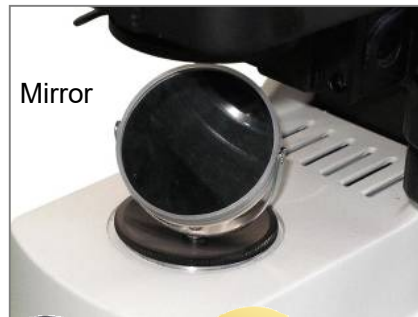
Specification

Item	Specification	BS-2036A	BS-2036B	BS-2036C
Optical System	Finite Optical System	●	●	
	Infinite Optical System			●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 50-75mm	●	●	●
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 50-75mm, Light Distribution: 20:80	○	○	○
Eyepiece	WF10×/18mm	●		
	WF10×/20mm		●	●
	WF16×/13mm	○	○	○
	Reticule Eyepiece WF10×/18mm (0.1mm)	○	○	○
	Reticule Eyepiece WF10×/20mm (0.1mm)	○	○	○
Achromatic Objective	4×, 10×, 40×(S), 100×/1.25 (Oil) (S)	●		
	20×, 60× (S)	○		
Plan Achromatic Objective	4×, 10×, 40×/0.65 (S), 100×/1.25 (Oil) (S)		●	
	20×, 60× (S)		○	
Infinity Objective	E-Plan 4×, 10×, 40× (S), 100× (Oil) (S)			●
	Plan 4×, 20×, 10×, 40× (S), 60× (S), 100× (Oil) (S)			○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
	Backward Quintuple Nosepiece	○	○	○
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um	●	●	●
Stage	Double Layers Mechanical Stage, Size: 145×140mm, Cross Travel 76×52mm, Two Slide Holder	●	●	●
	Rackless Double Layers Mechanical Stage, Size: 182×140mm, Cross Travel 77×33mm, Two Slide Holder	○	○	○
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm	●	●	●
Illumination	6V/20W Halogen Lamp, Brightness Adjustable	●	●	●
	6V/30W Halogen Lamp, Brightness Adjustable	○	○	○
	3W-LED Illumination Systems (non-rechargeable), Brightness Adjustable	○	○	○
	0.3W-LED Illumination Systems (Rechargeable), Brightness Adjustable	○	○	○
Field Diaphragm		○	○	○
Dark Field	N.A.0.9 (Dry) Dark Field Attachment	○	○	○
Polarizing Set	Analyzer/Polarizer	○	○	○

Phase contrast unit	With Infinite Plan Objectives 10× /20× /40× /100×	○	○	○
Fluorescence Attachment	Epi-Fluorescence unit (3-hole slide) (B,G,U,V, 100W mercury lamp)	○	○	○
	Epi-Fluorescence unit(6-hole Turret) (B,G, 5W LED lamp)	○	○	○
Filter	Blue	●	●	●
	Green	○	○	○
	Yellow	○	○	○
Photo Adapter	Used to Connect Nikon/Canon/Sony/Olympus DSLR camera to the microscope	○	○	○
Video Adapter	0.5X C-Mount (Focus adjustable)	○	○	○
	1X C-Mount	○	○	○
Mirror	Reflect Mirror	○	○	○
Cable Winding Device	Used to wind cable on back of the microscope	○	○	○
Package	1pc/carton, 42cm*28cm*45cm, 8kg	○	○	○

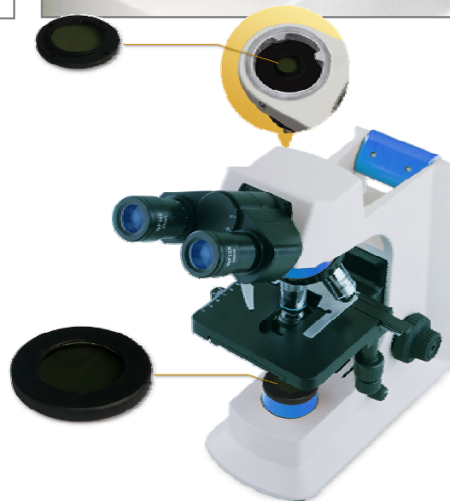
Note: ●Standard Outfit, ○Optional

Optional Accessories



Phase contrast unit (Infinite Plan Objectives 10× /20× /40× /100×)

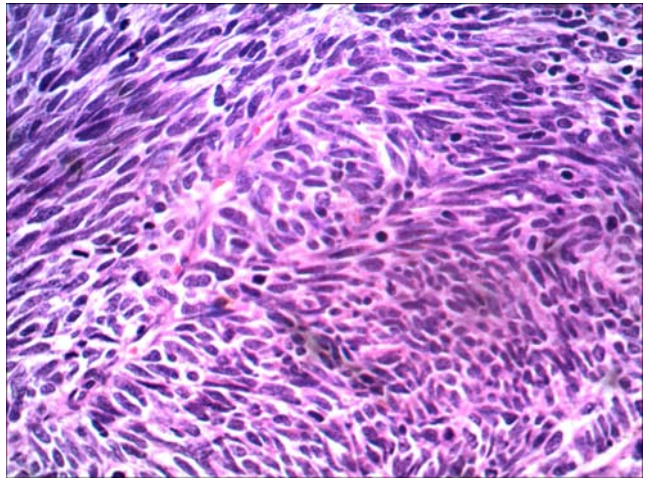
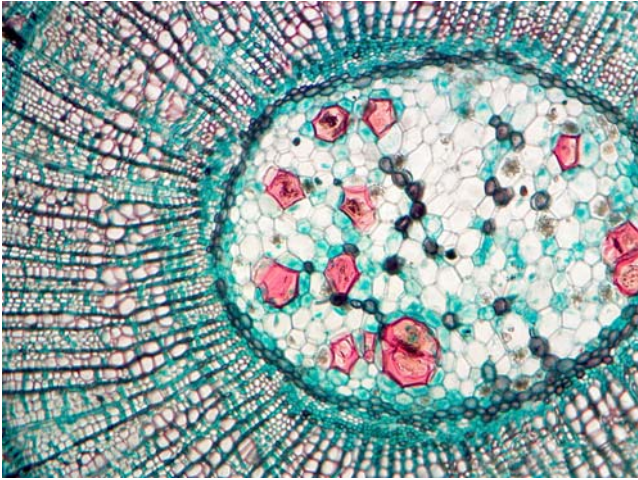
Analyzer installation



Polarizer installation

Simple polarizing unit (Polarizer, analyzer for simple polarizing)

Sample Image



12. BS-2036F(LED) Fluorescent Biological Microscope



Introduction

BS-2036F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.

Application

BS-2036F(LED) LED Fluorescence microscope is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas.

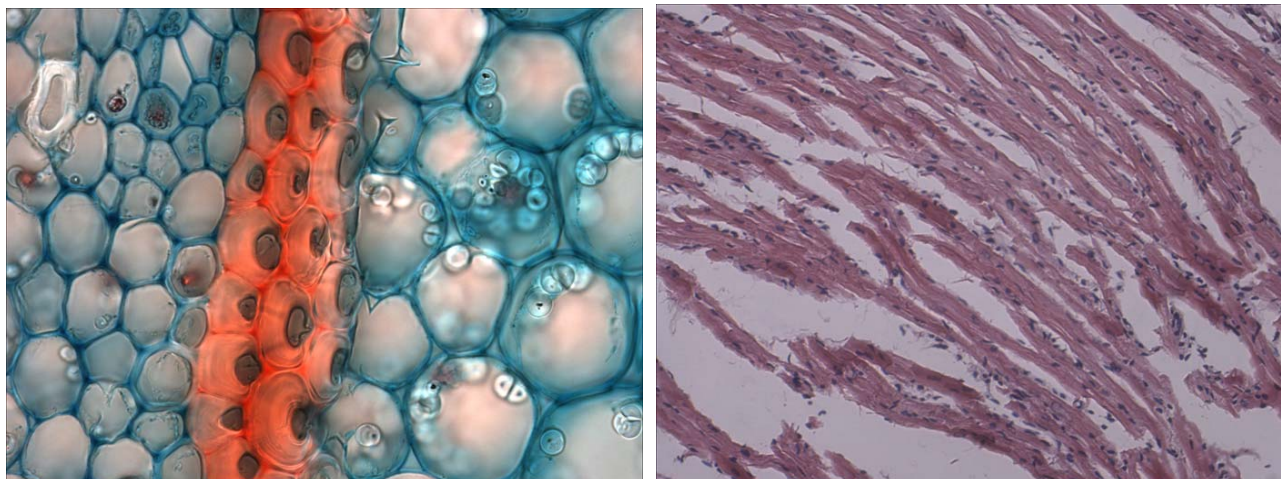
Specification

Item	Specification	BS-2036FB (LED)	BS-2036FT (LED)
Optical System	Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 50-75mm	•	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable,		•

	Interpupillary 50-75mm					
Eyepiece	WF10×/20				●	●
	WF16×/13				○	○
Objective	Infinite E-Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)				●	●
	Infinite Plan Achromatic Objective 20×, 60×				○	○
Nosepiece	Backward Quadruple Nosepiece				●	●
	Backward Quintuple Nosepiece				○	○
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um				●	●
Stage	Stage Size: 145×140mm, Cross Travel 76×52mm, Two Slide Holder				●	●
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm				●	●
Illumination	6V/20W Halogen Lamp, Brightness Adjustable○				●	●
	6V/30W Halogen Lamp, Brightness Adjustable○				○	○
	3W-LED Illumination Systems (non-rechargeable), Brightness Adjustable○				○	○
	0.3W-LED Illumination Systems (Rechargeable), Brightness Adjustable○				○	○
Optional	Photo attachment, Video attachment, Polarization set, Phase contrast kit				○	○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	BP460~490	DM505	BA515	●	●
	Green excitation	BP510~550	DM570	BA590	●	●
Lamp	3W LED Lamp(465-476nm)				●	●
Package	42cm*28cm*45cm, 40cm*20cm*40cm, 12kg				●	●

Note: ●Standard Outfit, ○Optional

Sample Image



13. BS-2038 Biological Microscope



BS-2038B



BS-2038T

Introduction

BS-2038 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory study. It adopts an Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent infinite optical system with High resolution and perfect definition,.
2. Comfortable operating with ergonomic design.
3. 100X water objective is available for convenient viewing.
4. Unique illumination system, provide bright and comfortable lighting.
5. New winding device for cable, easy to move and storage.
6. Various accessories for upgrading.

Application

BS-2038 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

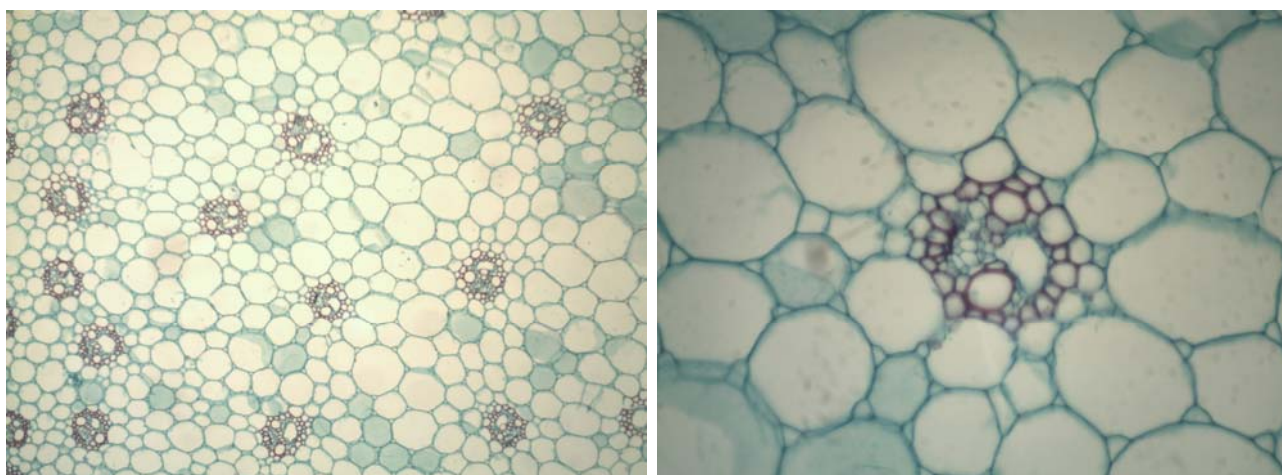
Specification

Item	Specification	BS-2038B	BS-2038T
Optical System	Color Corrected Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm	•	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm		•
Eyepiece	WF10×/20mm (High eyepoint)	•	•

	WF16×	○	○
Infinite Objective	E-Plan 4×/0.10, 10×/0.25, 40×/0.65(S), 100×/1.25(S, Oil)	●	●
	Plan 4×/0.10, 10×/0.25, 20×/0.40(S), 40×/0.66(S), 60×/0.80(S), 100×/1.25(S, Oil)	○	○
	Plan 100×/1.15(S, Water)	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
Mechanical Stage	Size 125mm×120mm, Travel Range:76mm×30mm, Scale: 0.1mm	●	●
	Size 145mm×140mm, Travel Range:76mm×52mm, Scale: 0.1mm, Two Slide Holder	○	○
Abbe Condenser	N.A.1.25, With iris Diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Fine division: 2μm	●	●
Illumination	3W LED Illumination, Voltage: 100V-240V	●	●
Dark Field Unit	Dark Field Ring (Dry, N.A.0.9)	○	○
Polarizing Unit	Analyzer, Polarizer	○	○
C-mount	1× C-mount		○
	0.5× C-mount (Focus adjustable)		●
Wire Winding Device	Wind cable on back of the microscope	●	●
Filter	Blue/ Green/ Yellow	○	○

Note: ●Standard Outfit, ○Optional

Sample Image



14. BS-2040 Biological Microscope



BS-2040B



BS-2040T



BS-2040BD

Introduction

BS-2040 series microscopes are classical biological microscopes with ingenious stand, high definition infinite optical system, sharp image and comfortable operation, which make your work much enjoyable.

Feature

1. Infinite Optical System.
2. Extra Wide Field Eyepiece EW10×/20 with Diopter Adjustment is optional.
3. Sliding-in Centerable Condenser.
4. Easy carrying Handle.
5. BS-2040BD support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish).
6. BS-2040BD support Windows Vista / Win 7 / Win8 / Mac Operation System. The software can preview, take photos and video, do image processing and measurement.

Application

BS-2040 series microscopes are ideal instruments in biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers.

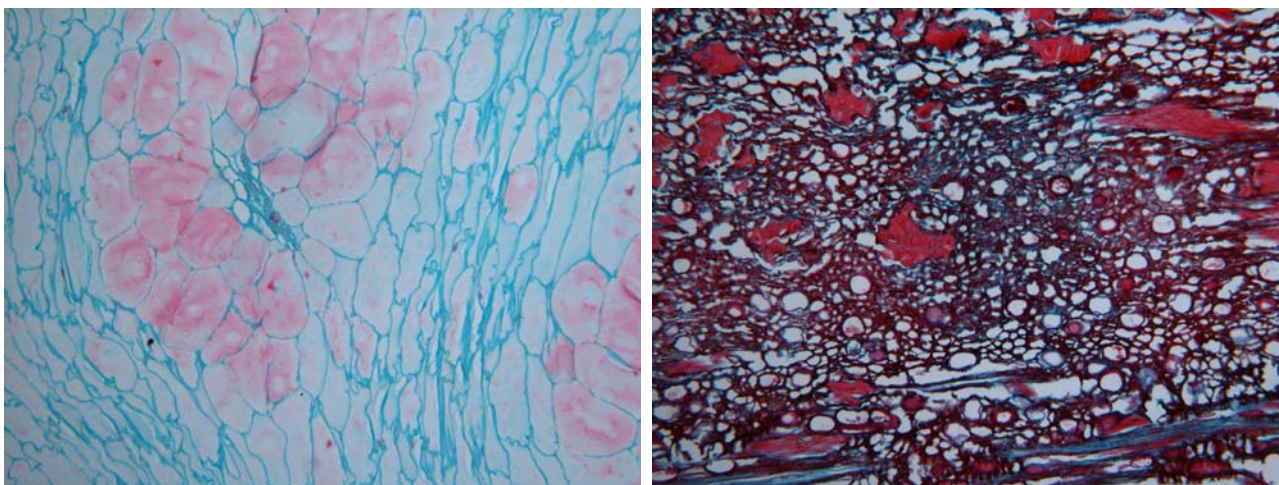
Specification

Item	Specification	BS-2040B	BS-2040T	BS-2040BD
Optical System	Infinite Optical System	•	•	•
Viewing Head	Seidentopf binocular head, 30° inclined, Interpupillary 48-75mm	•		
	Seidentopf trinocular head, 30° inclined, Interpupillary 48-75mm		•	
	Built-in 3MP digital camera with ScopelImage 9.0 Software; Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm			•
Eyepiece	Wide Field Eyepiece WF 10×/18	•	•	•

	Extra Wide Field Eyepiece EW10×/20 with Diopter Adjustment	○	○	○
Objective	Infinite Semi-plan Achromatic Objectives 4×, 10×, 40×, 100×	●	●	●
	Infinite Plan Achromatic Objectives 2×, 4×, 10×, 20×, 40×, 60×, 100×	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
	Backward Quintuple Nosepiece	○	○	○
Stage	Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	●	●	●
Condenser	Sliding-in Centerable Condenser NA1.25	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●	●	●
Illumination	3W LED Lamp, Brightness Adjustable	●	●	●
	6V/20W Halogen Lamp, Brightness Adjustable	○	○	○
Optional accessories	Phase Contrast Kit	○	○	○
	Dark Field Attachment	○	○	○
	YX-2 Epi-fluorescent Attachment	○	○	○
	FL-LED Epi-fluorescent Attachment	○	○	○
Package	1pc/carton, 35cm*35.5cm*55.5cm, gross weight: 12kg	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



15. BS-2040F(LED) Fluorescent Biological Microscope



Introduction

BS-2040F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.
6. More fluorescent filters are available for different applications.

Application

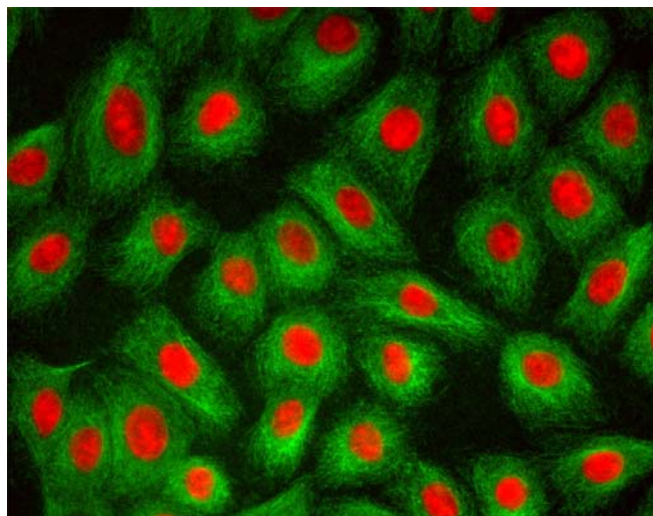
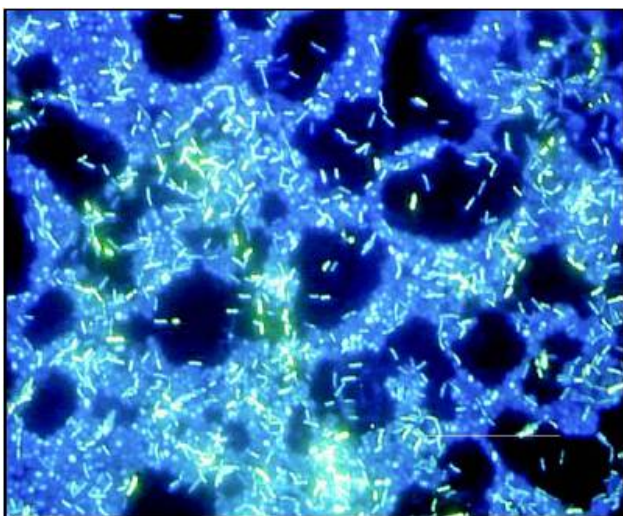
BS-2040F(LED) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They are widely used in laboratories, clinics, hospitals, medical colleagues and universities for disease examination, immune diagnosis and life science research.

Specification

Item	Specification	BS-2040 FB (LED)	BS-2040 FT (LED)			
Optical System	Infinite Optical System	●	●			
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary 48-75mm	●				
	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary 48-75mm		●			
Eyepiece	Wide Field Eyepiece WF10×/18	●	●			
Nosepiece	Backward Quadruple Nosepiece	●	●			
Objective	Infinite Semi-plan Achromatic Objective: 4×, 10×, 40×, 100×	●	●			
	Infinite Plan Achromatic Objective: 4×, 10×, 20×, 40×, 60×, 100×	○	○			
	Infinite Plan Fluorescent Objective: 4×, 10×, 20×, 40×, 100×	○	○			
Condenser	Sliding-in Centerable Condenser NA 1.25	●	●			
Focusing	Coaxial Coarse&Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range 20mm	●	●			
Stage	Double Layers Mechanical Stage 140×140/ 75×50 mm	●	●			
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope	○	○			
Video Adapter	1×, 0.5× C-mount	○	○			
Transmitted Illumination	3W S-LED Illumination, Brightness Adjustable	●	●			
	Halogen Lamp 6V/20W, Brightness Adjustable	○	○			
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	BP460~490	DM505	BA515	●	●
	Green excitation	BP510~550	DM570	BA590	●	●
Lamp	3W LED Lamp(465-476nm)				●	●
	3W LED Lamp(525-530nm)				●	●
Immersion Oil	Fluorescent Free Oil	●	●			

Note: ●Standard Outfit, ○Optional

Sample Image



16. BS-2050 Biological Microscope



BS-2050B1



BS-2050B2



BS-2050T1

Introduction

With precision machining equipment and advanced alignment technology, BS-2050 series biological microscopes are classical biological microscopes. BS-2050B1, BS-2050T1 do not have plastic back as BS-2050B2, BS-2050T2.

Feature

1. Sharp Image Display with Excellent Optical System.
2. Small Space Occupancy with Integral Stand Design, Low Environment Requirement with Anti-mould Technology.
3. Comfortable Operation with Ergonomic Design.

	<p>Available to observe the specimen from back of the body (BS-2050B1/T1)</p>
	<p>Comfortable Operation with Low Position Coarse & Fine Adjustment Knobs</p>
	<p>High Contrast and Sharp Image with High Quality Objectives</p>

Application

This series microscope is an ideal instrument in biological, histological, pathological field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification	BS-2050B1	BS-2050T1	BS-2050B2	BS-2050T2
Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary Distance 55-75mm	●		●	
	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary Distance 55-75mm		●		●
Eyepiece	Wide Field Eyepiece WF10×/ 18	●	●	●	●
	Wide Field Eyepiece P16×/ 11	○	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●	●	●
	Plan Achromatic Objective 4×, 10×, 40×, 100×	○	○	○	○
Nosepiece	Quadruple Nosepiece	●	●	●	●
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●	●	●	●
Condenser	NA 1.25 Abbe Condenser with Iris Diaphragm	●	●	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Range 20mm	●	●	●	●
Illumination	S-LED 3W LED Lamp, Brightness Adjustable	●	●	●	●
	Halogen Lamp 6V/ 20W, Brightness Adjustable	○	○	○	○
Photo Adapter	Photo adapter for Nikon or Canon DLSR cameras	○	○	○	○
Video Adapter	C-Mount 1×	○	○	○	○
	C-Mount 0.5×	○	○	○	○
Filter	Blue Filter	○	○	○	○
	Green Filter	●	●	●	●
Dark Field Attachment	NA 0.7-0.9 Dark Field Condenser(Dry)	○	○	○	○
	NA 1.25-1.36 Dark Field Condenser(Oil)	○	○	○	○
Phase Contrast Attachment	Single Phase Contrast Kit	○	○	○	○
Phase Contrast Attachment	Sliding Phase Contrast Kit	○	○	○	○
	Turret Phase Contrast kit	○	○	○	○
Polarizing Set	Simple Polarizing Set (Polarizer and Analyzer)	○	○	○	○
Fluorescent Attachment	YX-2 Epi-fluorescent Attachment(Mercury Lamp)	○	○	○	○
	FL-LED Epi-fluorescent Attachment(LED lamp)	○	○	○	○
Package	1pcs/carton, 36cm*26cm*46.5cm, 10kg	●	●	●	●

Note: ●Standard ○Optional

17. BS-2062 Biological Microscope



BS-2062T

Introduction

BS-2062 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory study. It adopts an Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent infinite optical system with high resolution and perfect definition.
2. Comfortable operating with ergonomic design.
3. 100X water objective is available for convenient viewing.
4. Unique illumination system, provide bright and comfortable lighting.
5. Trinocular head with light distribution 100:0 or 80:20.
6. Various accessories for upgrading.

Application

BS-2062 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary institutes, such as hospitals, clinics, academic laboratories, colleges and universities.

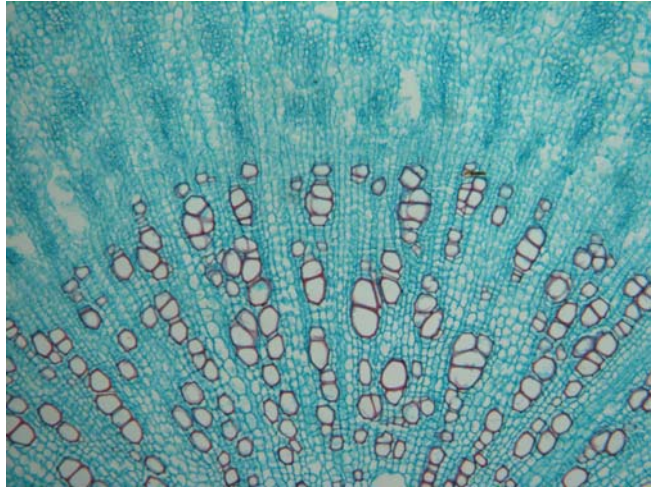
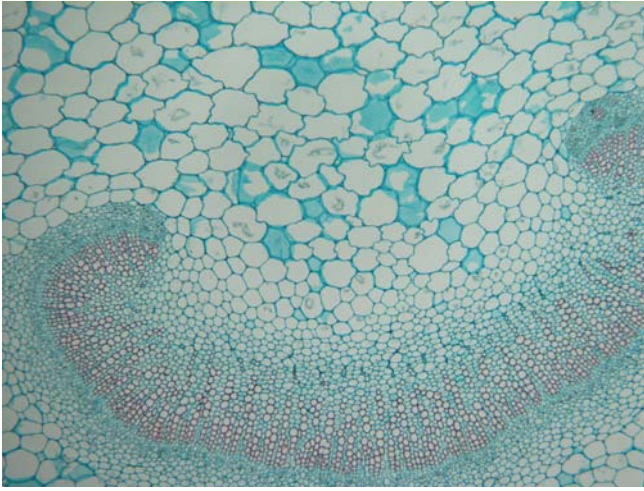
Specification

Item	Specification	BS-2062B	BS-2062T
Optical System	Color Corrected Infinite Optical System	•	•
Observing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm	•	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm, Light Distribution: 100: 0 / 80:20		•
Eyepiece	WF10×/20mm (High eyepoint)	•	•

	WF16×/13mm	○	○
	WF10×/22mm	○	○
	WF10×/20mm with 0.1mm eyepiece micrometer	○	○
Infinite Objective	Plan 4×/0.10	●	●
	Plan 10×/0.25	●	●
	Plan 20×/0.40(S)	●	●
	Plan 40×/0.65 (S)	●	●
	Plan 100×/1.25(S, Oil)	●	●
	Plan 2.5×/0.07	○	○
	Plan 60×/0.80(S)	○	○
	Plan 100×/1.15(S, Water)	○	○
Nosepiece	Backward Quintuple Nosepiece	●	●
Stage	Double Layers Mechanical stage, Size: 190mm×140mm, Travel Range: 78mm×55mm, Scale: 0.1mm, Two Slide Holder	●	●
Abbe Condenser	N.A.1.25 with iris Diaphragm	●	●
	Swing out condenser N.A.0.9/0.13	○	○
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Fine Stroke 0.2mm per Rotation, Fine division: 2μm	●	●
Koehler Illumination	6V/20W Halogen Lamp with Field Diaphragm, Brightness Adjustable	●	●
	6V/30W Halogen Lamp with Field Diaphragm, Brightness Adjustable	○	○
	3W LED Illumination with Field Diaphragm, Brightness Adjustable	○	○
Dark Field Unit	Dark Field Condenser (Dry, N.A.0.9)	○	○
Polarizing Unit	Analyzer, Polarizer	○	○
Phase Contrast Unit	Turret unit with 10×/20×/40×/100× phase contrast objective	○	○
	Independent slot with 10×/20×/40×/100× phase contrast objective	○	○
Fluorescent Attachment	Mercury Epi-Fluorescence unit (Six-hole disc, U/V/B/G)	○	○
	LED Epi-Fluorescence unit (Six-hole disc, B/G)	○	○
C-mount	1×C-mount		○
	0.5×C-mount (focus adjustable)		●
Filter	Blue	●	●
	Green/ Yellow	○	○

Note: ●Standard Outfit, ○Optional

Sample Image



18. BS-2070 Biological Microscope



BS-2070B



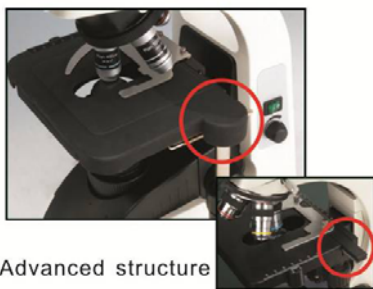
BS-2070T

Introduction

BS-2070 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory research. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent image quality with infinite optical system.
2. Comfortable operating with ergonomic design.
3. Perfect illumination with sliding-in centerable condenser, easy to replace phase contrast and dark field condenser.
4. Advanced design of mechanical stage structure prevents the scratches of users.



Advanced structure

Traditional structure

Application

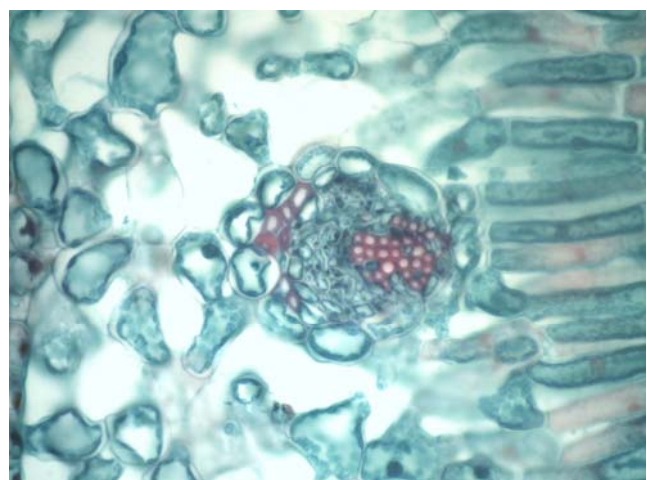
BS-2070 series microscopes are ideal instruments in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification	BS-2070B	BS-2070T
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm		●
Eyepiece	WF10×/20	●	●
	WF15×/16	○	○
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	●	●
	Infinite Plan Achromatic Objective 20×, 60×	○	○
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 22mm	●	●
Stage	Rackless stage, Size 216×150mm, Cross Travel 78×54mm, Low-positioned X/Y Coaxial Control Knob, Can hold two slides	●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm	●	●
Illumination	LED illumination, Brightness Adjustable	●	●
	12V/20W Halogen Lamp, Brightness Adjustable	○	○
Optional	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Kohler Illumination	○	○
Package	1pc/carton, 38cm*26cm*51cm, 9kg	●	●

Note: ●Standard Outfit, ○Optional

Sample Image



19. BS-2070F(LED) Fluorescent Biological Microscope



Introduction

BS-2070F(LED) Series LED fluorescence microscopes are newly developed microscopes, the microscopes use LED as the fluorescent light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.
6. More fluorescent filters are available for different applications.

Application

BS-2070F(LED) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They can be used in disease examination, immune diagnosis and life science areas.

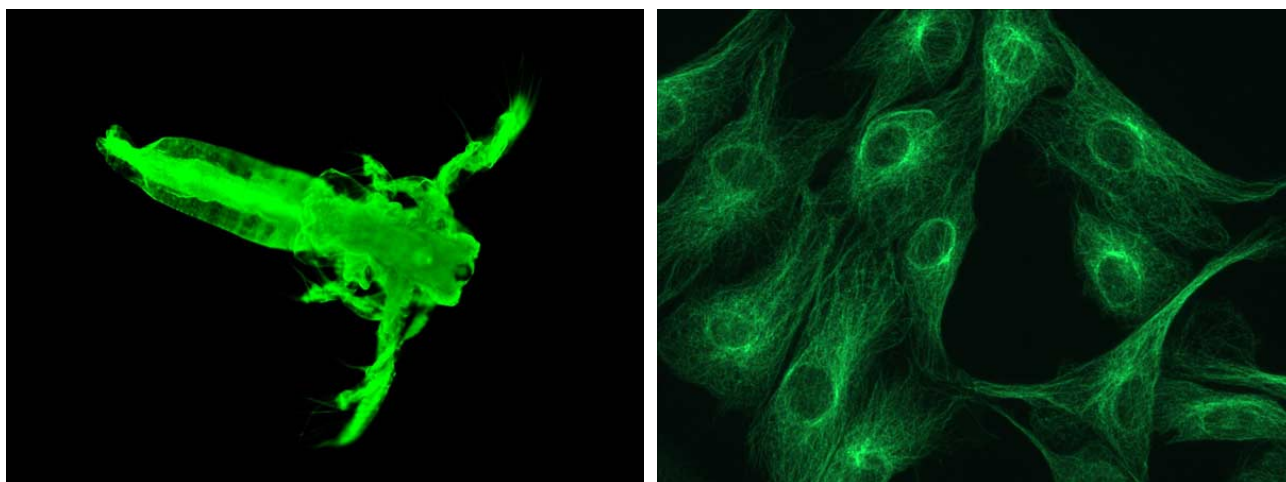
Specification

Item	Specification	BS-2070 FB(LED)	BS-2070 FT(LED)
Optical System	Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable,	•	

	Interpupillary 48-75mm					
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm					●
Eyepiece	WF10×/20				●	●
	WF15×/16				○	○
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×				●	●
	Infinite Plan Achromatic Objective 20×, 60×				○	○
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 22mm				●	●
Stage	Rectangular 216×150mm, Cross Travel 78×54mm, Using Low-positioned X/ Y Coaxial Control Knob, Can Hold Two Sides				●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm				●	●
Illumination	LED illumination 3W, brightness adjustable				●	●
	12V/20W Halogen Lamp, Brightness Adjustable				○	○
Optional	Photo attachment, Video attachment, Polarization set, Phase contrast kit				○	○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	BP460~490	DM505	BA515	●	●
	Green excitation	BP510~550	DM570	BA590	●	●
Lamp	3W LED Lamp(465-476nm)				●	●
	3W LED Lamp(525-530nm)				●	●
Immersion Oil	Fluorescent Free Oil				●	●
Package	2cartons/set, 38cm*26cm*51cm, 9kg; 44cm*38cm*17cm, 3kg				●	●

Note: ●Standard Outfit, ○Optional

Sample Image



20. BS-2072 Series Biological Microscope



BS-2072B



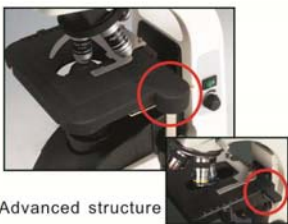
BS-2072T

Introduction

BS-2072 series microscopes are high level microscopes which are specially designed for college education, medical and laboratory study. They adopt an Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Excellent image quality with infinite optical system.
2. Comfortable operating with ergonomic design.
3. Better illumination with sliding-in centerable condenser, convenient to replace phase contrast and dark field condenser.
4. Advanced design of mechanical stage structure prevents the scratches of users.



Advanced structure

Traditional structure

Application

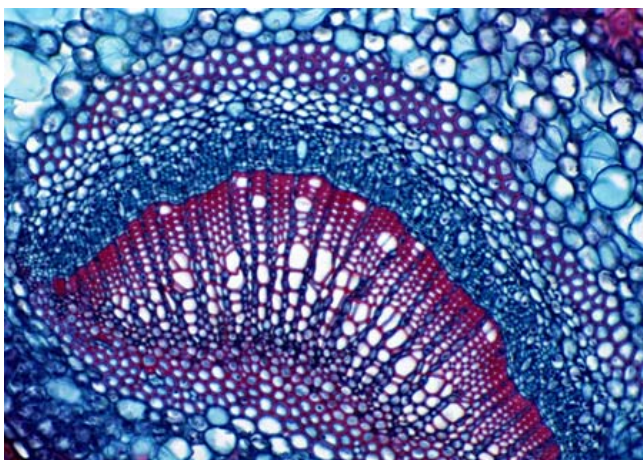
BS-2072 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification	BS-2072B	BS-2072T
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm		●
Eyepiece	Extra Wide Field Eyepiece EW10×/22, Eyepiece Tube Diameter 30mm	●	●
	Wide Field Eyepiece WF15×/16	○	○
	Wide Field Eyepiece WF20×/12	○	○
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	●	●
	Infinite Plan Achromatic Objective 20×, 60×	○	○
Nosepiece	Backward Quintuple Nosepiece	●	●
	Backward Quadruple Nosepiece	○	○
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm	●	●
Stage	Rackless stage, Size 216×150mm, Cross Travel 78×54mm, Using Low-positioned X/Y Coaxial Control Knob, Can Hold Two Sides	●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm	●	●
Illumination	12V/20W Halogen Lamp, Brightness Adjustable	●	●
	12V/30W Halogen Lamp, Brightness Adjustable	○	○
	LED illumination, Brightness Adjustable	○	○
Optional Accessories	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Kohler Illumination, Dark Field Attachment, Epi-Fluorescent Attachment	○	○
Package	1pc/carton, 38cm*26cm*51cm, 10kg	●	●

Note: ●Standard Outfit, ○Optional

Sample Image



21. BS-2072F Fluorescent Biological Microscope



BS-2072FB



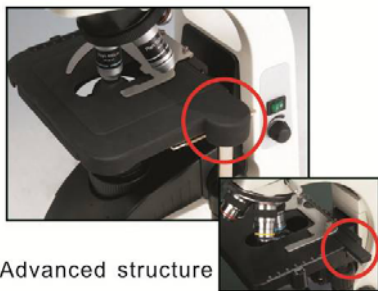
BS-2070FT

Introduction

BS-2072F series fluorescent microscopes are high level microscopes which are specially designed for college education, medical and laboratory study. They adopt an Infinite optical system, beautiful structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, these biological microscopes make your works enjoyable.

Feature

1. Advanced design of mechanical stage structure prevents the scratches of users.
2. Excellent fluorescent image with high resolution fluorescent objectives.
3. Protect the light leak with advanced lamp housing.
4. Perfect image with infinite plan fluorescent objectives.
5. More stable power supply, digital display and timer



Advanced structure

Traditional structure

Application

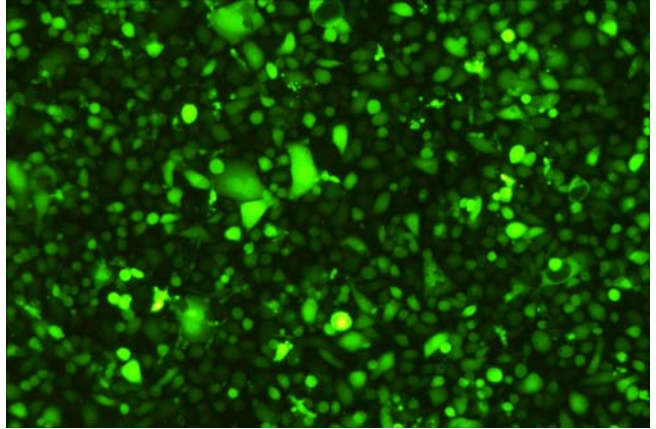
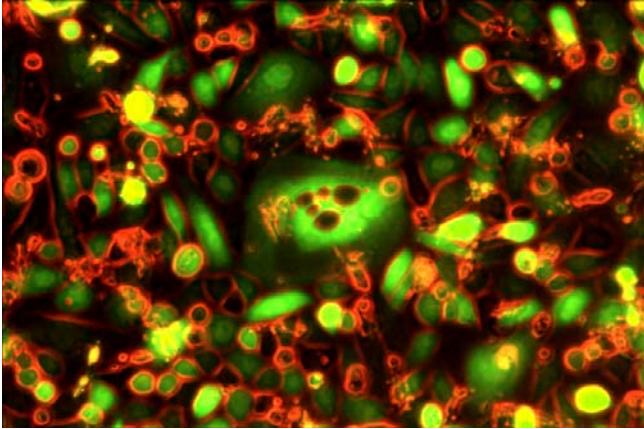
BS-2072F series fluorescent microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Specification

Item	Specification				BS-2072FB	BS-2072FT
Optical System	Infinite Optical System				●	●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm				●	
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm					●
Eyepiece	Extra Wide Field Eyepiece EW10×/22, Eyepiece Tube Diameter 30mm				●	●
	Wide Field Eyepiece WF15×/16				○	○
	Wide Field Eyepiece WF20×/12				○	○
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×				●	●
	Infinite Plan Achromatic Objective 20×, 60×				○	○
Nosepiece	Backward Quintuple Nosepiece				●	●
	Backward Quadruple Nosepiece				○	○
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm				●	●
Stage	Rectangular 216×150mm, Cross Travel 78×54mm, Using Low-positioned X/Y Coaxial Control Knob, Can Hold Two Sides				●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm				●	●
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue Excitation	BP460~490	DM500	BA520	●	●
	Green Excitation	BP510~550	DM570	BA590	●	●
	Ultraviolet Excitation	BP330~385	DM400	BA420	○	○
	Violet Excitation	BP400~410	DM455	BA455	○	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp				●	●
Power Box	Power box NFP-1, 220V/ 110V Interchangeable, Digital Display				●	●
Illumination	12V/20W Halogen Lamp, Brightness Adjustable				●	●
	12V/30W Halogen Lamp, Brightness Adjustable				○	○
	LED illumination, Brightness Adjustable				○	○
Optional Accessories	Photo Attachment, Video Attachment, Polarization Set, Phase Contrast Kit, Kohler Illumination, Dark Field Attachment,				○	○
Package	2 cartons/set, 38*29*66cm, 10kg; 51*44*34cm, 7kg				●	●

Note: ●Standard Outfit, ○Optional

Sample Image



22. BS-2080 Laboratory Biological Microscope



Introduction

BS-2080 Laboratory Biological Microscope is a high level microscope which is specially designed for laboratory research. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this laboratory biological microscope makes your laboratory works enjoyable.

Feature

1. With Infinite Optical System, Kohler Illumination, providing excellent optical quality and making Image perfect.
2. With low and forward position of C&F coaxial focus system, focusing knobs and brightness adjustable knob within reaching location, stable integral structure, and reasonable ergonomic design, making operators feel more comfortable and effective.

Application

This microscope is an ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

Viewing Head



Comfortably Observing with Siedentopf Type Trinocular Head Inclined at 30°. Suitable for Every Observer with Wide Interpupillary Range 48-75mm.

Eyepiece



Larger Viewing Area with Extra Wide Field Eyepiece EW10×/22. Focus Control with Diopter Adjustable.

Nosepiece



Big Operating Space with Backward Quintuple Nosepiece.

Objective



Perfect Image with Infinite Plan Achromatic Objective.

Stage



Rectangle Double Layers Mechanical Stage 185×142mm, Moving Range 75×55mm. Comfortable Operation with Low Position Adjustable Knobs.

Condenser



With Swing Condenser N.A.0.9/0.25, Overcoming Illumination Asymmetry at Low Magnification Observation.

Field Diaphragm



With Aspherical Condenser and Kohler Illumination, Providing Enough, Even and High Contrast Illumination for Various Objective Observation.

Illuminator



External Illumination, Halogen Lamp 6V/30W, Brightness Adjustable. 24V/100W For Optional.



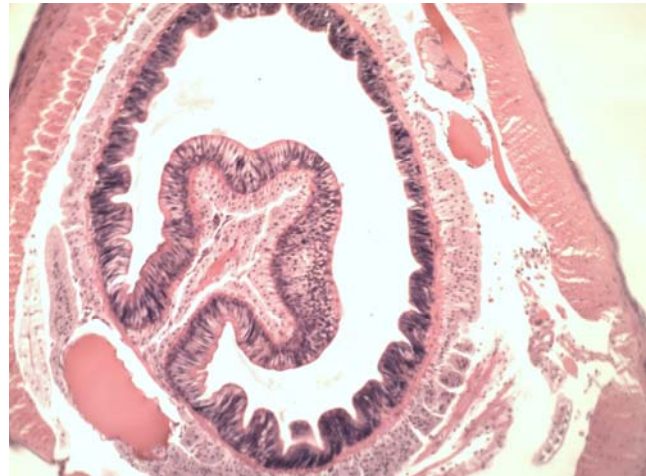
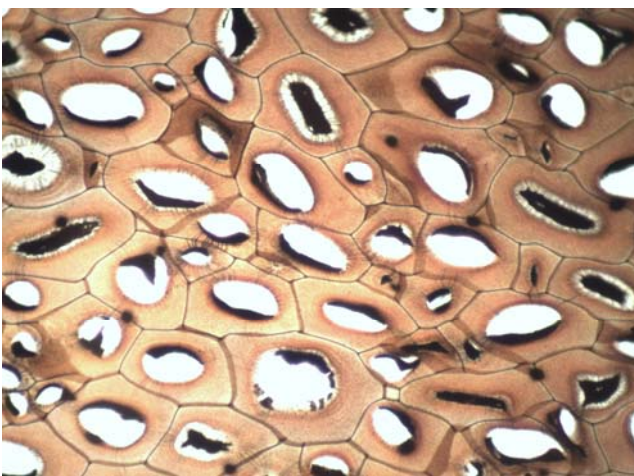
Specification

Item	Specification	BS-2080
Optical System	Infinite Optical System	●
Viewing Head	Siedentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●
	Tilttable Binocular/ Trinocular Head	○
Eyepiece	Extra Wide Field Eyepiece EW10×/ 22, Eyepiece Tube Diameter 30mm	●
Nosepiece	Backward Quintuple Nosepiece	●
	Backward Sextuple Nosepiece	○

Objective	Infinite Plan Achromatic Objective 4×/0.10, 10×/0.25, 40×/0.65(s), 100×/1.25(s) oil	●
	Infinite Plan Achromatic Objective 20×/0.4, 60×/0.8	○
Condenser	Swing-out Condenser NA 0.9/ 0.25	●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	●
Stage	Double Layers Mechanical Stage 185×142mm, Moving Range 75×55mm	●
Illumination	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 6V/30W	●
	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 24V/100W	○
	3W LED Illumination	○
	5W LED Illumination	○
Video Adapter	C Mount 1×	○
	C Mount 0.5×	○
Filter	Blue Filter	●
	Green Filter	●
Dark Field Attachment	Dark-field Condenser(Dry)	○
	Dark-field Condenser(Oil)	○
Accessories	Photo Attachment for Nikon or Canon	○
	Polarization Attachment	○
	Turret Phase Contrast Kit	○
	FL-800 Epi-fluorescent Attachment	○
	FL-LED Epi-fluorescent Attachment	○
	Temperature Controlled Stage	○
Package	1carton/set, 43.5cm*39.5cm*59cm, 14kg	●

Note: ● Standard Outfit, ○ Optional

Sample Image



System Diagram



* Viewing field of auxiliary objective is $\Phi 20$ when with the accessories

23. BS-2080F(LED) Fluorescent Biological Microscope



Introduction

BS-2080F(LED) Series LED fluorescence microscopes is a newly developed microscope, the microscope uses LED as the fluorescent light source, the life span of the LED lamp is much longer than mercury lamp, the performance is also better.

Feature

1. Excellent fluorescent image with infinitive optical system.
2. LED illumination with 50,000 hours life span.
3. No need for cooling system and protection device due to LED cold light source.
4. 465-476nm excited wavelength with high SNR.
5. Convenient to use, no need warm-up.
6. More fluorescent filters are available for different applications.

Application

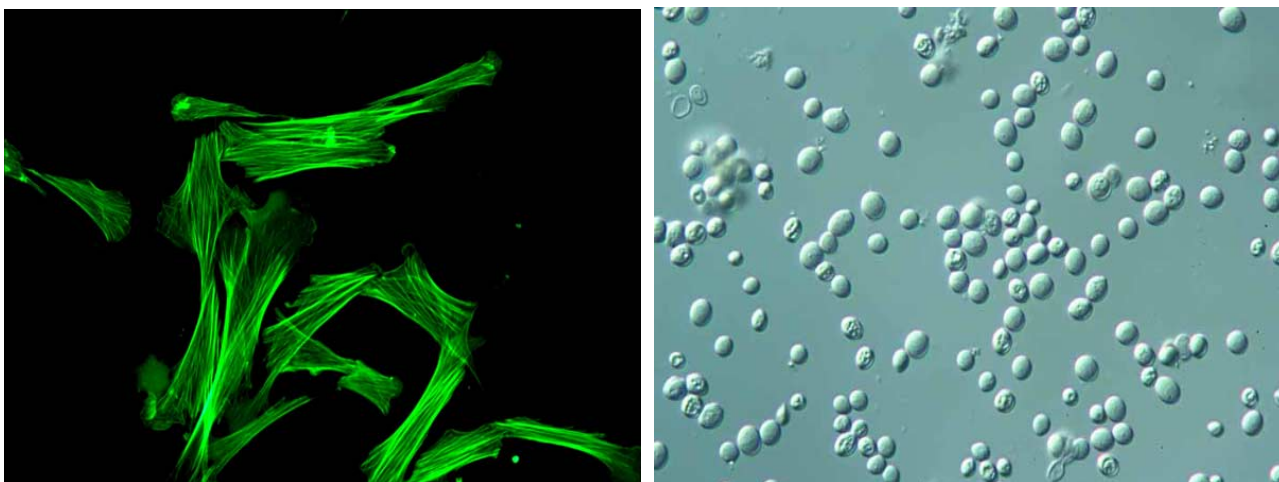
BS-2080F(LED) LED Fluorescence microscope is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas.

Specification

Item	Specification				BS-2080F (LED)
Optical System	Infinite Optical System				●
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm				●
Eyepiece	Wide Field Eyepiece WF10×/22				●
Nosepiece	Backward Quintuple Nosepiece				●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×				●
	Infinite Plan Achromatic Objective 20×, 60×,				○
	Infinite Plan Fluorescent Objective 4×, 10×, 20×, 40×, 100×				○
Condenser	Swing Condenser NA 0.9/0.25				●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm				●
Stage	Double Layers Mechanical Stage 185×142/ 75×55 mm				●
Photo Attachment	Used to connect Nikon or Canon DSLR camera				○
Video Adapter	1× C-mount, 0.5× C-mount				○
Transmitted Illumination	External Kohler illumination, Aspherical collector, Halogen lamp 6V/30W				●
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue excitation	BP460~490	DM505	BA515	●
	Green excitation	BP510~550	DM570	BA590	●
Lamp	3W LED Lamp(465-476nm)				●
	3W LED Lamp(525-530nm)				●
Immersion Oil	Fluorescent Free Oil				●

Note: ●Standard Outfit, ○Optional

Sample Images



24. BS-2080D Motorized Auto-Focus Microscope



Introduction

BS-2080D Motorized Auto-focus Microscope has integrated the advantages of modern aesthetics and the edge of disciplines to achieve the automation of microscopes in laboratory. High quality infinite optical system and automatic controlling make your lab work more enjoyable. With a protection box, it can be used for remote diagnosis, pathological analysis for some infectious or virose specimens.

Feature

1. With four motors drive, objective nosepiece, stage with X, Y, Z directions can be controlled manually or motorized.
2. With advanced digital illumination adjustment technology, brightness of halogen lamp has been divided into 100 steps(0-99).
3. 3.2 Megapixels camera system, USB 2.0 plugs and play; real-time preview is up to 30 frames/ sec.
4. High precision stage, quickly capture the clearest images by auto-focus. Automatically slide scanning, recognizing are controlled by the computer.
5. With built-in dynamic focusing system, realize the laboratory microscopy automation. With network remote control system, it can be used in medical diagnosis, pathological analysis and real-time teaching etc.

	<p>High precision leading screw stage makes sure the quality of the images</p>
	<p>The touchpad control box of BS-2080D motorized auto-focus microscope is in line with the man-machine integration</p>
	<p>Built-in dynamic focusing system, auto-focus without computer</p>

Application

BS-2080D is a high level automatic microscope, it is mainly used in laboratories, hospitals and universities for scientific and medical research. It can be used for medical diagnosis, pathological analysis and real-time teaching etc, it also can be used for remote diagnosis. With a protection box, It can be used for remote diagnosis, pathological analysis for some infectious or virose specimens.

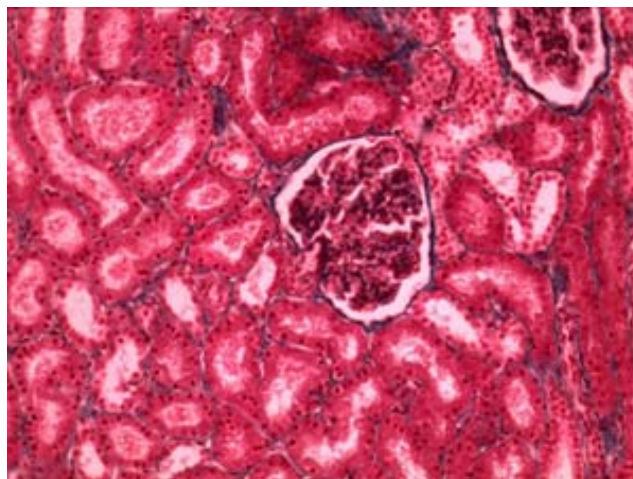
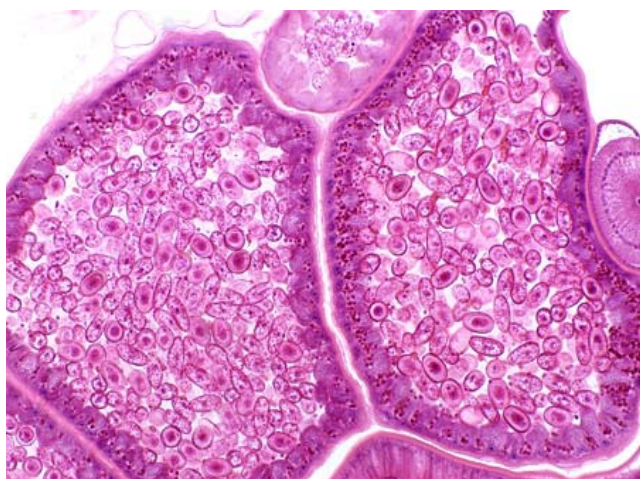
Specification

Item	Specification	BS-2080D	
Optical System	Infinite Optical System	●	
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary 48-75mm	●	
Camera	3.2 Mega Pixels CMOS sensor	●	
	Resolution: 2048×1536	●	
	Pixel size: 3.2μm × 3.2μm	●	
	Maximum frame rate	2048×1536 12f/s	●
		1600×1200 20f/s	
1280×1024 27f/s			
1024×768 43f/s			
	Sensitivity: 1.0V/lux-sec(550nm)	●	

	Exposure: Manual / auto exposure, time adjustable	●
	SNR: >43dB	●
Eyepiece	Extral wide field eyepiece EW10×/22, eyepiece tube Φ30mm	●
Nosepiece	Quintuple Nosepiece	●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 100×	●
Stage	Precision leading screw stage, accuracy is 1um	●
Condenser	Swing out Condenser NA0.9/0.25	●
Filter	Blue and Green filter	●
Illumination	Halogen Lamp 24V/100W	●
Control System	The control box of BS-2080D Motorized Auto-focus Microscope	●
	The control software of BS-2080D Motorized Auto-focus Microscope	●
	Image analysis Software	●
	USB DOG	●
	Computer	○
Package	1carton/set, 65cm * 46cm * 44cm, 30kg	●

Note: ● Standard Outfit, ○ Optional

Sample Image



25. BS-2090 Inverted Biological Microscope



Introduction



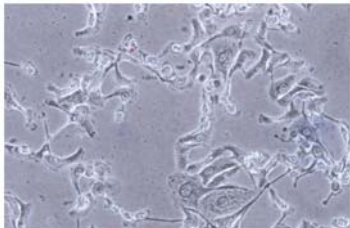
BS-2090 Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this inverted biological microscope makes your works enjoyable. It has a trinocular head, so digital camera or digital eyepiece can be add to the trinocular head to take photos and videos.

Feature

1. Excellent optical function with infinite optical system.
2. Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.



With LWD Infinite Plan Objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier

	Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable	
	Different Holders for Various Observations	
	With pre-centerable Phase Annulus, Available to Observe Low Contrast or Transparent Specimens	

Application

BS-2090 Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

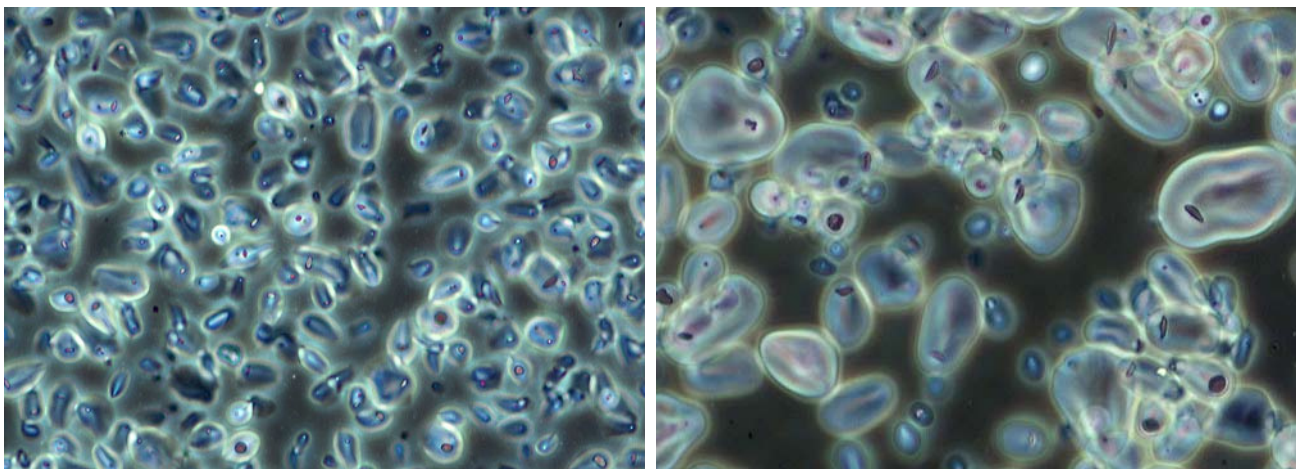
Specification

Item	Specification		BS-2090
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(Long Working Distance) 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 10 mm	●
		PH20×/ 0.4, WD 5.1mm	●
PH40×/ 0.6, WD 2.1m		○	
Nosepiece	Quintuple Nosepiece		●
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser the WD can be 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 Rang 120mm×78mm	○
	Auxiliary Stages 70mm×180mm	●
	Terasaki Holder	○
	Petri Dish Holder Φ35mm	○
	Slide Glass Holder Φ54mm	○
	Petri Dish Holder Φ90mm	○
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	●
Filter	Blue, Green and Frosted filters, Diameter 45mm,	●
Accessories	Photo Attachment	○
	Video Adapter with C Mount	○
	Inverted Fluorescent Attachment FI-100	○
Package	1carton/set, 46.5cm*39.5cm*64cm, 16kg	●

Note: ● Standard Outfit, ○ Optional

Sample Image



26. BS-2092 Inverted Biological Microscope



Note: The DSLR camera is not included

Introduction

BS-2092 Inverted Biological Microscope is a high level microscope which is specially designed for medical and health units, universities, research institutes to observe cultured living cells. It adopts an Infinite optical system, reasonable structure and ergonomic design. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this inverted biological microscope makes your works enjoyable. It has a trinocular head, so digital camera or digital eyepiece can be add to the trinocular head take photos and videos.

Feature

1. Excellent optical function with infinite optical system.
2. DSLR(Digital Single Lens Reflex) and microscope digital camera can be used together for image and video capture.
3. Innovative stand structure, sharp image display, convenient and special for viewing incubating cell tissue.
4. With LWD Infinite Plan Objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier.
5. Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable.
6. With pre-centerable Phase Annulus, Available to Observe Low Contrast or Transparent Specimens.

Application

BS-2092 Inverted microscope is used by medical and health units, universities, research institutes for observations of micro-organisms, cells, bacteria and tissue cultivation. It can be used for continuous observation of process of cells, bacteria grow and divide in the culture medium. Videos and images can be taken during the process. This microscope is widely used in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Specification

Item	Specification	BS-2092
Optical System	Infinite Optical System	●
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 48-75mm	●
Eyepiece	Wide Field Eyepiece WF10×/ 22mm, Eyepiece Tube Diameter 30mm	●
	Wide Field Eyepiece WF15×/ 16mm	○
	Wide Field Eyepiece WF20×/ 12mm	○
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/ 0.1,WD 22mm	●
	LWD(Long Working Distance) 10×/ 0.25, WD 6mm	●
	Infinite Plan Achromatic Phase 20×/ 0.4, WD 3.1mm	●
	Objective 40×/ 0.55, WD 2.2mm	●
	Lamp House Adjustment Objective	○
Nosepiece	Backward Quintuple Nosepiece	●
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser the WD is 150mm)	●
Centering Telescope	Centering Telescope (Φ30mm)	●
Phase Annulus	10×-20×, 40× Phase Annulus Plate(Fixed)	●
	10×-20×, 40× Phase Annulus Plate(Adjustable)	○
Stage	Plain Stage 170×230mm	●
	Glass Insert	●
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang120mm×80mm	●
	Auxiliary Stages 70mm×180mm	●
	Terasaki Holder	●
	Petri Dish Holder Φ35mm	●
	Slide Glass Holder Φ54mm	●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm	●
Illumination	Halogen Lamp 6V/30W, Brightness Adjustable	●
Filter	Blue, Green and Frosted Glass Filter, Diameter 45mm	●
Accessories	23.2mm Photo tube Attachment(Used to connect microscope adapter and camera)	○
	0.5× C-mount(Used to directly connect to a C-mount digital camera)	○
	Epi-Fluorescent Attachment	○
Package	1carton/set, 46.5cm*39.5cm*64cm, 18kg	●

Note: ● Standard Outfit, ○ Optional

BPM Series Portable Microscope

1. BPM-130 USB digital microscope



Introduction

This is a great product for teens as well as adults for education, discovery, work and fun. The microscope provides powers from 20x to 200x. It is ideally suited for examining solid objects such as coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials, and many other objects. Also, you can examine specimen slides at low and high powers on a computer screen and it allows you to take snapshot images or short videos. A rugged, metal stand is included for holding the microscope steady at various positions for viewing and/or imaging. With the included software, you can observe the magnified images or capture video or take snapshots or measurement with Windows2000/XP/Vista/Win7, Mac OS X 10.5 or above.

Feature

1. Easy to use handheld digital microscope with USB output interface
2. 20X to 200X Magnification Ratio
3. 1.3 Mega Pixels CMOS
4. Manual Focus from 10mm to 500mm
5. Rich LED illuminator support, 8 LED adjustable by control wheel
6. Photo management software
7. Auto White Balance and Exposure
8. Powered by USB 2.0 cable
9. Power source: 5V DC from USB port
10. Bundle software: MicroCapture with measurement & calibration function
11. Metal stand to hold the microscope steady

12. Multi-language support: English, Germany, Spanish, Korean, French, Russian

13. Operating System: Windows2000/XP/Vista/Win7, Mac OS X 10.5 or above

Application

This microscope can be used for: Hobbyists, Educators, Medical Labs, Industrial Inspection, Engineering Applications, Teachers, Students, Science Applications, Doctor's Offices, Police Agencies, Government Testing, and general use by consumers. It is ideally suited for examining solid objects such as coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials, and many other objects.

Specification

Image Sensor	1.3 Mega Pixels CMOS
Capture Resolution	2560×1920, 2000×1600, 1600×1280, 1280×1024, 1024×960, 1024×768, 800 ×600, 640×480, 352×288, 320×240, 160×120
Focus Ranger	Manual Focus From 10mm to 500mm
Frame Rate	Max30f/s under 600 Lus Brightness
Magnification Ratio	20X to 200X
Video Format	AVI format
Still Image Format	JPEG and BMP
Light Source	8 LED adjustable by control wheel
PC Interface	Mini USB 2.0
Power Supply	5VDC from USB port
Operation System	Windows2000/XP/Vista/Win7, Mac OS X 10.5 or above
OSD Language	English, German, Spanish, Korean, French, Russian
Bundled Software	MicroCapture with measurement & calibration function
Size	110mm(L) x33mm(R)
Weight	275g
Package	Paper box, digital microscope with USB cable, Metal Stand, User Manual, CD with Software

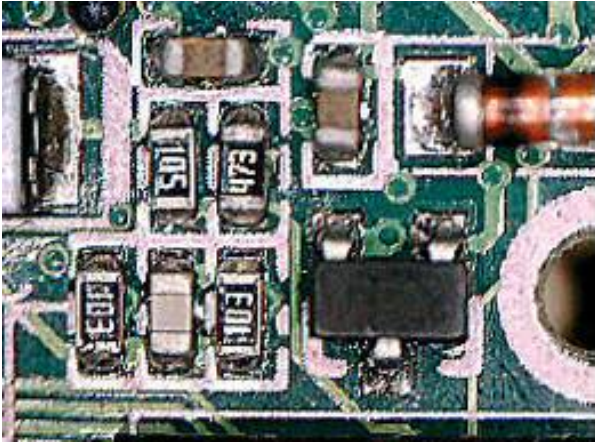
Sample Image



Currency



Currency



Circuit Board



Coin

2. BPM-290 Portable Inverted Biological Microscope



Introduction

BPM-290 Portable Inverted Biological Microscope is designed to observe liquid specimens and other filed samples. It is portable, easy to operate and have very good performance.

Feature

1. Small portable microscope, simple to operate, good performance, high-definition.
2. Inverted design is suitable for observing liquid samples.
3. Powered by battery, with compact design, it is easy to carry out to inspect micro organism in water and factory effluent, outdoor observation of micro-plankton, pollen and spores.

Application

BPM-290 is mainly used to inspect micro organism in water and factory effluent, outdoor observation of micro-plankton, pollen and spores. So it can be used in water treatment factories, environmental protection department and also in biological laboratories.

Specification

Model		BPM-290
Eyepiece	Eyepiece 10×/18	●
Achromatic Objective	4× NA0.08/WD16	●
	10× NA0.25/WD3.6	●
	40× NA0.60/WD0.6	●
	20× NA0.42/WD2.85	○
Nosepiece	Triple Nosepiece	●
Stage	Plain Stage with Slide Clips	●
Condenser&Illuminati on	Bright field, LED Illumination(AA Battery X2)	●
	Phase Contrast Observation, LED Illumination(AA Battery X2)	○
Moving Range	2.6mm	●

3. BPM-300 Portable Measuring Microscope



Introduction

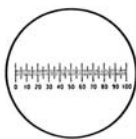
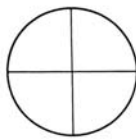
BPM-300 series portable measuring microscopes feature smart size, light weight, nice design and easy operation. They are mainly used for measuring or viewing purposes in production or laboratory. They are particularly suitable for spot examination of machinery industry, paper making, printing and textile, etc. They are also suitable to be used by students for education.

Feature

1. Eyepiece 10× with reticle and diopter adjustment.
2. Various of reticle for eyepiece to meet different requirements.



10X Eyepiece with reticle and diopter adjustment



Application

BPM-300 series portable measuring microscopes are mainly used for measuring or viewing purposes in production and laboratory area. They are particularly suitable for examination of machinery industry, paper making, printing and textile, etc. They are also suitable to be used by students for education.

Specification

Item	BPM-300A(L)	BPM-300B(L)	BPM-300C(L)	BPM-300D(L)
Total Magnification	100×	50×	40×	20×
Mechanical Tube Length	160mm			
Eyepiece	10×			
Objective	10×	5×	4×	2×
Numerical Aperture	0.25	0.12	0.1	0.05
Diameter of Viewing field in Eyepiece	φ18mm			
Eyepiece Reticle	0.1mm			
Fine Division	0.01mm	0.02mm	0.025mm	0.05mm
Working Distance	6.93mm	17.6mm	18mm	17.2mm
Focus Range	30mm			
Diameter of Bearing Plane	φ63mm			
Height of Microscope	210mm			
Mass of Microscope	650g			
Illumination	Pen light, No.7 battery			

	BPM-300 A	BPM-300 B	BPM-300 C	BPM-300 D	BPM-300 AL	BPM-300 BL	BPM-300 CL	BPM-300 DL
Eyepiece 10×/18 Cross with Reticle	●	●	●	●	●	●	●	●
Objective 10×	●				●			
Objective 5×		●				●		
Objective 4×			●				●	
Objective 2×				●				●
Pen Light Illumination (with holder, No Battery)					●	●	●	●

Note: ●Standard Outfit, ○Optional

4. BPM-600 Portable Metallurgical Microscope



Introduction

BPM-600 is a portable metallurgical microscope, it has vertical light source, it is easily to be used in field to identify the structures of all kinds of metal and alloy when difficult to make sample. It can be widely used for identification of casting quality, inspection of raw material or metallurgical structures research and analysis of processed material in factory and laboratory, also can be used in antique gem and surface observation. BPM-600 adopts a rechargeable LED illuminator, it is portable and easy to use. It can work more than 40 hours after one charge. Digital cameras can be used with the microscope for image, video capture and analysis.

Specification

Eyepiece	Plan eyepiece 10×/Φ6mm, 12.5×/Φ3mm
Objective	10×/0.25 N.A/7.3mm, 40×/0.65 N.A/0.5mm
Total Magnification	100×-500×
Mechanical tube length	160mm
Focusing range	25mm
Supply Voltage	3.6V
Dimension	23cm*11cm*7cm
Weight	0.75kg
Optional Parts	25× Plan Objective, 60× Plan Objective
	Digital photo attachment and video attachment

Complete set of the instrument

Microscope body	1 set
Eyepiece 10×, 12.5×	1 unit/each
Achromatic objective 10×	1 unit
Metallurgical objective 40×	1 unit
LED Illumination	1 set
Power source battery charger	1 unit

5. BPM-620 Portable Metallurgical Microscope



BPM-620



BPM-620M(with Magnetic base)

Introduction

BPM-620 is a portable metallurgical microscope, it has vertical light source, it is easily to be used in field to identify the structures of all kinds of metal and alloy when failure in making sample. It can be widely used for identification of casting quality, inspection of raw material or metallurgical structures research and analysis of processed material in factory and laboratory, also can be used in antique gem and surface observation.

BPM-620 adopts a rechargeable LED illuminator, it is portable and easy to use. It can work more than 40 hours after one charge.

The magnetic base is optional, it can be adsorbed solidly on the work piece, it is adapted to various diameter pipes and flat, the magnetic base can be adjusted from X, Y directions.

Digital cameras can be used with the microscope for image, video capture and analysis.

Specification

Eyepiece	Plan eyepiece 10×/18mm
Objective	Long work distance plan objective: 10×/0.25, WD7.3mm; 50×/0.70, WD 0.5mm
Total Magnification	100×, 500×
Mechanical tube length	160mm
Focusing range	20mm
Illumination	Adjustable LED light(chargeable)

Dimension	23cm*11cm*7cm
Weight	0.75kg
Optional Parts	WF16×, WF20×, WF10×/18 eyepiece with crossing line
	Long work distance plan 5×, 20× and 40× objectives
	Digital Cameras
	Magnetic base

Complete set of the instrument

Model	BMP-620	BPM-620M
Microscope Body	1 set	1 set
Plan eyepiece 10×/18mm	1 unit	1 unit
Plan Metallurgical Objective 10×	1 unit	1 unit
Plan Metallurgical Objective 50×	1 unit	1 unit
LED Illumination	1 set	1 set
Power source battery charger	1 unit	1 unit
Magnetic base		1 unit

BS-3000 Series Stereo Microscopes

1. BS-3010 Stereo Microscope



BS-3010A



BS-3010B

Introduction

Stereo microscopes are also known as low magnification and dissecting microscopes. BS-3010 series stereo microscope offers upright, un-reversed 3D images with high resolution and high quality. Optional eyepieces and objectives expand magnification range and working distances.

BS-3010 is a smart and cost-effective stereo microscope. Optional cold light and ring light can be chosen for this microscope. They are widely used in electric factories, schools laboratories, sculpture, families and so on.

Feature

1. High quality, high function and excellent cost performance.
2. Ergonomic design, sharp image display, wide viewing field and easy to operate.
3. Ideal instrument in academic, medical and industrial field.

Application

BS-3010 series stereo microscopes are widely applied in circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, and repair and inspection of small parts.

Specification

Item	Specification	BS-3010A	BS-3010B
Head	Binocular Viewing Head, 45° Inclined, Interpupillary Distance 55-75mm, Un-rotatable	●	
	Binocular Viewing Head, 45° Inclined, Interpupillary Distance 55-75mm, 360° Rotatable		●
Eyepiece	WF5×	○	○
	WF10×	●	●
	WF15×	○	○
	WF20×	○	○
Objective	2×, 4×	●	●
	1×, 2×	○	○
	1×, 3×	○	○
Working Distance	57mm	●	
	76mm		●
Illumination	Transmitted halogen light 12V/ 10W	●	●
	Incident halogen light 12V/ 10W	●	●
	Transmitted & Incident LED illumination	○	○
Package	4pcs/carton, 68cm*31cm*38cm, 16kg	●	●

Note: ● Standard Outfit, ○ Optional

2. BS-3012 Stereo Microscope



BS-3012A



BS-3012B

Introduction

BS-3012 series stereo microscopes offer upright, un-reversed 3D images with high resolution. The microscopes are smart and cost-effective. Optional cold light and ring light can be chosen for these microscopes. They are widely used in electric factories, schools laboratories, sculpture, families and so on.

Feature

1. High quality, high function and excellent cost performance.
2. Ergonomic design, sharp image display, wide viewing field and easy to operate.
3. Providing a wide viewing eyepiece with field of $\Phi 20\text{mm}$.
4. Ideal instrument in academic, medical and industrial field.

Application

The BS-3012 series stereo microscopes are of great value in a variety of applications such as circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

Specification

Item	Specification	BS-3012A	BS-3012B
Head	Binocular Viewing Head, Inclined at 45°, 360° rotatable, Interpupillary adjusting distance 55-75mm, left eyepiece with diopter adjustment	●	●
Eyepiece	High eyepoint WF10×/20mm eyepiece	●	●
	WF15×/15mm eyepiece	○	○
	WF20×/10mm eyepiece	○	○
Objective	2×, 4×	●	●
	1×, 2×	○	○
	1×, 3×	○	○
Working	100mm	●	●

Distance			
Head Mount	76mm	●	●
Illumination	Transmitted light 3W LED		●
	Incident light 3W LED		●
Focus	Coarse focus, focus range 49mm	●	●
Package	1pc/1carton, 51cm*37cm*31cm, 5kg	●	●

Note: ● Standard Outfit, ○ Optional

3. BS-3015 Stereo Microscope



BS-3015B

Introduction

BS-3015 series stereo microscopes offer upright, un-reversed 3D images with high resolution. The microscopes are smart and cost-effective. Optional eyepiece, objectives, cold light and ring light are available for the microscopes. They are widely used in electric factories, schools laboratories, sculpture, families and so on.

Feature

1. High quality, high function and excellent cost performance.
2. Ergonomic design, sharp image display, wide viewing field and easy to operate.
3. Various objectives 1×/2×, 1×/3×, 1×/4×, 2×/3×, 2×/4×, Magnification range 5×-240×.
4. Providing a wide viewing eyepiece with field of Φ23mm.
5. Ideal instrument in academic, medical and industrial field.
6. ESD painting is available.

Application

The BS-3015 series stereo microscopes are of great value in a variety of applications such as circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

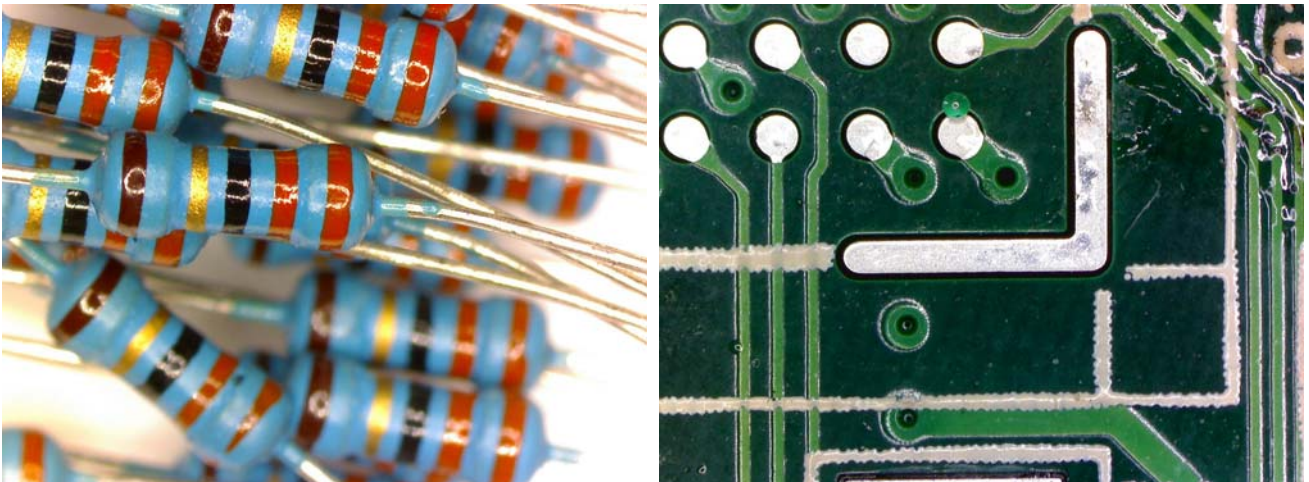
Specification

Item	Specification	BS-3015B	BS-3015T
Viewing Head	Binocular Viewing Head, Inclined at 45°, 360° rotatable, Interpupillary adjusting distance 55-75mm	●	
	Binocular Viewing Head, Inclined at 60°, 360° rotatable, Interpupillary	○	○

	adjusting distance 55-75mm			
	Trinocular Viewing Head, Inclined at 45°, 360° rotatable, Interpupillary adjusting distance 55-75mm, Light distribution: 2:8		●	
Diopter Adjustment Eyepiece	WF10×/23mm eyepiece	●	●	
	WF10×/22mm eyepiece	○	○	
	WF10×/20mm eyepiece	○	○	
	WF15×/16mm eyepiece	○	○	
	High-eyepoint WF20×/12mm eyepiece	○	○	
	Low-eyepoint WF20×/12mm eyepiece	○	○	
	WF30×/8mm eyepiece	○	○	
	WF10× eyepiece with cross hair	○	○	
Objective	Changeable objective	2×, 4×	●	●
		2×, 3×	○	○
		1×, 2×	○	○
		1×, 3×	○	○
		1×, 4×	○	○
	Auxiliary objective	2×, WD: 30mm	○	○
		0.75×, WD: 120mm	○	○
		0.63×, WD: 137mm	○	○
0.5×, WD: 180mm		○	○	
Working Distance	97mm	●	●	
Head Mount	76mm	●	●	
Focusing	Coarse Focus, Focusing Range 100mm	●	●	
Illumination	Transmitted light 3W LED	●	●	
	Incident light 1W LED	●	●	
Photo Adapter	Used for connecting Nikon or Canon DSLR camera to the microscope	○	○	
Video Adapter	0.5× C-mount	●	●	
	1× C-mount or 23.2 photo tube	○	○	

Note: ● Standard Outfit, ○ Optional

Sample Image



4. BS-3020 Zoom Stereo Microscope



BS-3020B



BS-3020T

Introduction

Stereo microscopes are also known as low magnification and dissecting microscopes. BS-3020 Stereo Zoom Microscope on a post stand offers upright, un-reversed 3D images that very clear throughout the zoom range. Optional eyepieces and auxiliary objectives expand magnification range and working distances.

BS-3020 is a very popular zoom stereo microscope. Optional cold light and ring light can be chosen for this microscope. You can also choose trinocular head to add digital camera with the appropriate camera adapter. In summary BS-3020 gives many range of magnifications, working distances, photo options, accessories and is very convenient to use – no wonder it is popular!

Feature

1. High quality, high function and excellent cost performance.
2. High resolution, Wide viewing field, Long working distance.
3. Ergonomic design, sharp image display, wide viewing field and easy to operate.
4. Providing a wide viewing field of $\Phi 20\text{mm}$ with the zoom ratio of 1:4.5.
5. Ideal instrument in academic, medical and industrial field.

Application

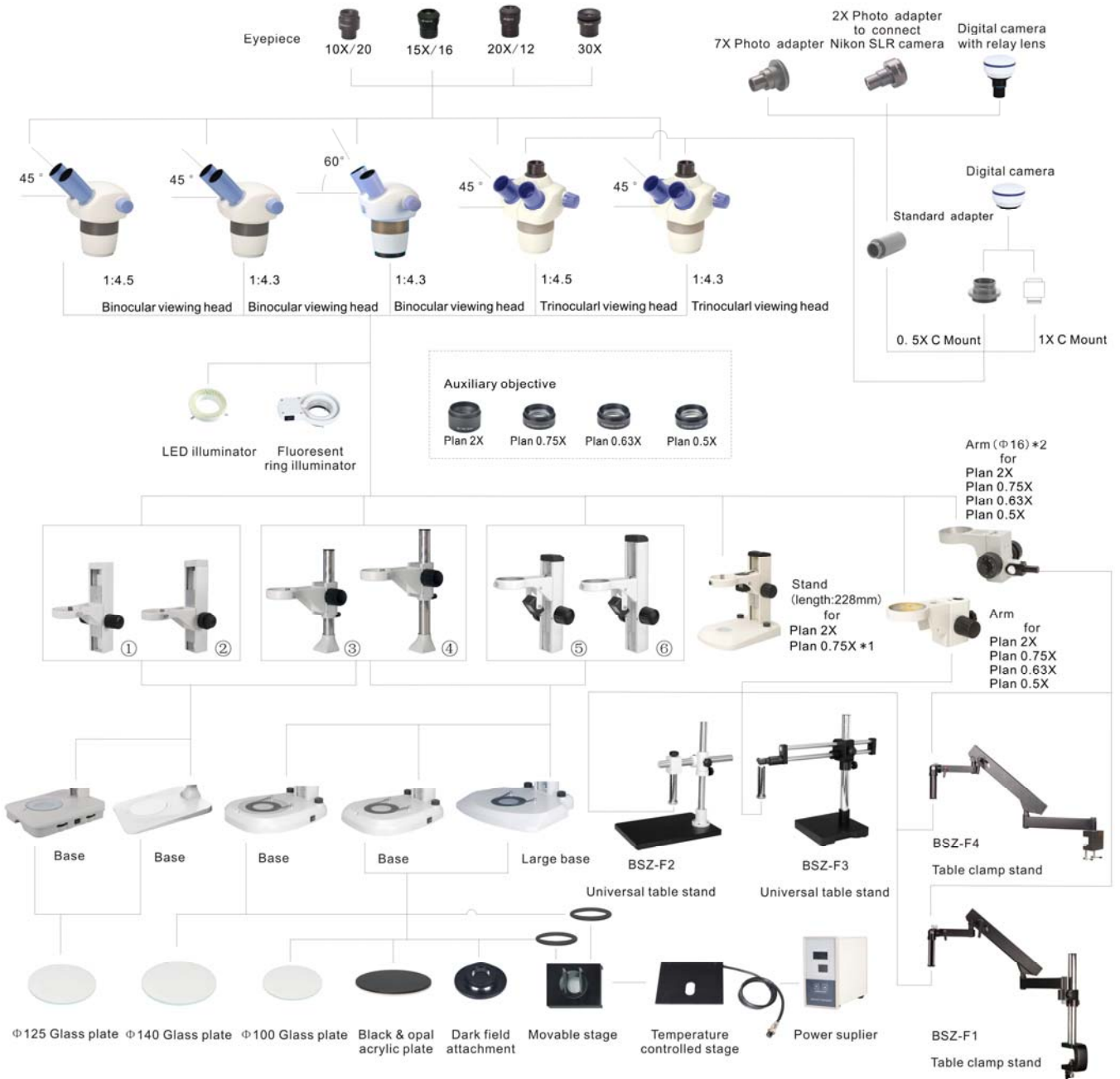
The microscope can be used for circuit board repair and inspection, SMT work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

Specification

Item	Specification	BS-3020B	BS-3020T	
Viewing Head	Binocular head, inclined at 45°, Interpupillary Distance 55-75mm	●	●	
	Binocular head, inclined at 60°, Interpupillary Distance 55-75mm	○	○	
	Trinocular head, inclined at 45°, Interpupillary Distance, 55-75mm		●	
Eyepiece	Wide field eyepiece 10×/ 20mm	●	●	
	Wide field eyepiece 10×/ 22mm	○	○	
	Wide field eyepiece 15×/ 16mm	○	○	
	Wide field eyepiece 20×/ 12mm	○	○	
	Wide field eyepiece 30×/8mm	○	○	
	10× Eyepiece with cross line	○	○	
Objective	Zoom objective	0.7×~3×	○	○
		1×~4.5×	●	●
	Auxiliary objective	2×, W.D.: 30mm	○	○
		0.75×, W.D.: 120mm	○	○
		0.63×, W.D.: 137mm	○	○
		0.5×, W.D.: 180mm	○	○
Zoom Ratio	1:4.3	○	○	
	1:4.5	●	●	
Working Distance	97mm	●	●	
Focusing	Coarse Focus, Focusing Range 100mm	●	●	
Illumination	LED Reflection illumination 1W	●	●	
	LED Transmission illumination 3W	●	●	
Attachment	Photo Attachment	○	○	
	Video Attachment	○	○	
Package	1pc/carton, 36.5cm*31cm*52cm, 6kg	●	●	

Note: ● Standard Outfit, ○ Optional

System Diagram



	①	②	③	④	⑤	⑥
Length	279mm	279mm	12"	18"	280mm	330mm
Coaxial coarse & fine		√				

Note: *1 The height of sample couldn't be over 30mm when viewed by the objective Plan 0.75X.
*2 Take away the connecting column of BSZ-F1 and BSZ-F4.

5. BS-3030 Zoom Stereo Microscope



BS-3030A



BS-3030AT



BS-3030B



BS-3030BT

Introduction

Stereo microscopes are also known as low magnification and dissecting microscopes. BS-3030 Stereo Zoom Microscopes offer high quality 3D images throughout the zoom range. Optional eyepieces and auxiliary objectives expand magnification range and working distances. Various stand, Cold light source and ring light can be chosen for these microscopes.

Feature

1. High quality and excellent cost performance.
2. Ergonomic design, sharp image display, wide viewing field and easy to operate.
3. Providing a wide viewing field of $\Phi 22\text{mm}$ with the zoom ratio of 1:6.7.
4. Transmitting & Reflecting LED Illumination.
5. Ideal instrument in academic, medical and industrial field.

Application

BS-3030 series stereo microscopes are of great value in a variety of applications such as school education, circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

Specification

Item	Specification	BS-3030A	BS-3030AT	BS-3030B	BS-3030BT
Optical system	Greenough Optical System	●	●	●	●
Viewing Head	Binocular head, inclined at 45°, rotatable 360°, Interpupillary Distance 54-76mm	●		●	
	Trinocular head, inclined at 45°, rotatable 360°, Interpupillary Distance 54-76mm		●		●
Eyepiece	WF10×/ $\Phi 22\text{mm}$ high point	●	●	●	●
	WF15×/ $\Phi 16\text{mm}$	○	○	○	○

	WF20×/Φ12 mm		○	○	○	○
	WF10×Φ22mm Eyepiece with cross line		○	○	○	○
Objective	Zoom objective	0.67×~4.5×	●	●	●	●
	Auxiliary objective	0.5×, W.D. 177mm	○	○	○	○
		2×, W.D. 26mm	○	○	○	○
Zoom Ratio	1:6.7		●	●	●	●
Magnification	6.7×~45×		●	●	●	●
Working Distance	110mm		●	●	●	●
Illumination	LED Reflected illumination 3W				●	●
	LED Transmission illumination 3W				●	●
Attachment	Photo Attachment(For Nikon, Canon, Olympus, Sony DSLR)			○		○
	0.5× C-mount adapter (adjustable)			●		●
Package	1pc/carton, 51cm*37cm*31cm, 6.5kg		●	●	●	●

Note: ● Standard Outfit, ○ Optional

6. BS-3035 Zoom Stereo Microscope



BS-3035T1

BS-3035B2

BS-3035B3

BS-3035T4

We have 4 stands and binocular/trinocular head, the models are: BS-3035B1, BS-3035T1, BS-3035B2, BS-3035T2, BS-3035B3, BS-3035T3, BS-3035B4, BS-3035T4.

“B” means binocular, “T” means trinocular.

“1” means the stand with round base, without illumination.

“2” means the stand with square base, without illumination

“3” means the stand with round base, with transmitted and Incident illumination

“4” means the stand with square base, with transmitted and Incident illumination

Introduction

BS-3035 series Zoom Stereo Microscope offer sharp 3 D images with very competitive price. Optional auxiliary objectives, light source, stands and other accessories can fulfill different requirements.

Feature

1. Well-coated optical components, providing sharp and high contrast images and ensure large depth of field.
2. High quality optical system with zoom magnification 8×-50×, zoom ratio 1:6.3.
3. Various eyepieces, objectives and other accessories can meet different requirements.

Application

BS-3035 series stereo zoom microscope is of great value in a variety of applications such as circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

Specification

Item	Specification	BS-3035B3	BS-3035T4
Viewing Head	Binocular Head, Inclined at 45°, Interpupillary Distance 52-75mm	●	○
	Trinocular Head, Inclined at 45°, Interpupillary Distance 52-75mm, 30:70 light distribution	○	●
Eyepiece	Extra wide field eyepiece EW10×/22mm	●	●
	WF15×/16mm		

	WF20×/12.5mm		
Zoom Objective	0.8×-5×	●	●
Zoom Ratio	6.3:1	●	●
Working Distance	115mm	●	●
Auxiliary objective	2×, WD 45mm	○	○
	0.5×, WD 210mm		
Stage Plate	Frosted Glass Plate, Diameter 100mm	●	●
	White&Black round plate, Diameter 100mm	●	●
Focusing Unit	Coarse Focus Knob with tension adjustable, Moving range 100mm	●	●
Illumination	Incident Illumination 100V-240V/ LED	●	●
	Transmitted Illumination 100V-240V/ LED	●	●
Attachment	Photo Attachment		○
	Video Attachment		○
Package	1pc/carton, 36.5cm*31cm*52cm, 8.5kg	●	●

Note: ● Standard Outfit, ○ Optional

7. BS-3040 Zoom Stereo Microscope



Introduction

Stereo microscopes are also known as low magnification and dissecting microscopes. BS-3040 Zoom Stereo Microscope on a post stand offers upright, un-reversed 3 D images that remain in focus throughout the zoom range. Optional eyepieces and auxiliary objectives expand magnification range and working distances.

BS-3040 is a very popular zoom stereo microscope. Optional cold light and ring light can be chosen for this microscope. You can also choose trinocular head to add digital camera with the appropriate camera adapter. In summary, BS-3040 gives many range of magnifications, working distances, photo options, accessories and is very convenient to use – no wonder it is popular!

Feature

1. With high quality optical components, providing sharp and striking contrast image and ensure flat image at large depth of field, Ease the tiredness with ergonomic design.
2. With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 20,000 hours.
3. With Complete eyepieces, objectives and accessories, it is an ideal instrument for industry assembling, inspection and teaching field.
4. BS-3040BD Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish).
5. BS-3040BD support Windows Vista / Win 7 / Win8 / Mac Operation System. The software can preview, take photos and video, do image processing and measurement.

Application

BS-3040 Series stereo zoom microscopes are of great value in a variety of applications such as circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, and repair and inspection of small parts.

Specification

Item	Specification	BS-3040B	BS-3040T
Viewing Head	Binocular Viewing Head, Inclined at 45°, Interpupillary Distance 57-75mm	●	○
	Binocular Viewing Head, Inclined at 60°, Interpupillary Distance 57-75mm	○	○
	Trinocular Viewing Head, Inclined at 45°, Interpupillary Distance 57-75mm	○	●
Eyepiece	Extra wide field eyepiece EW10×/22mm	●	●
	WF15×/Φ16mm	○	○
	WF20×/Φ12mm	○	○
	WF30×/Φ8mm	○	○
Zoom Objective	0.8×-5×	●	●
Zoom Ratio	6.3:1	●	●
Working Distance	115mm	●	●
Auxiliary objective	0.5×, W.D.: 220mm	○	○
	0.7×, W.D.: 113mm	○	○
	2×, W.D.: 45mm	○	○
Stage Plate	Glass Insert Plate, Diameter 100mm	●	●
	White&Black round plate, Diameter 100mm	●	●
Focusing Unit	Coarse Focus Knob with tension adjustable, Moving range 105mm	●	●
Illumination	Incident Illumination 100V-240V/ LED	●	●
	Transmitted Illumination 100V-240V/ LED	●	●
Attachment	Photo Attachment	○	○
	Video Attachment	○	○
Package	1pc/carton, 36.5cm*31cm*52cm, 8.5kg	●	●

Note: ● Standard Outfit, ○ Optional

System Diagram



8. BS-3044 Binocular Zoom Stereo Microscope



BS-3044A



BS-3044B

Introduction

BS-3044A/B Binocular Zoom Stereo Microscope offer upright, un-reversed 3 D images that remain in focus throughout the zoom range. They have zoom ratio of 1:8.3. Optional eyepieces and auxiliary objectives can be used to expand magnification range and working distances.

Feature

1. High zoom ratio of 1:8.3, zoom range of 0.6×-5×, large field of view up to $\Phi 76\text{mm}$.
2. High quality optical system, providing sharp and high contrast image and ensure flat image at large depth of field, Ease the tiredness with ergonomic design.
3. With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 60000 hours.
4. With complete eyepieces, objectives and accessories, it is an ideal instrument for industry assembling, inspection and teaching field.

Application

BS-3044A/B Binocular stereo zoom microscope can be used for circuit board repairing and inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

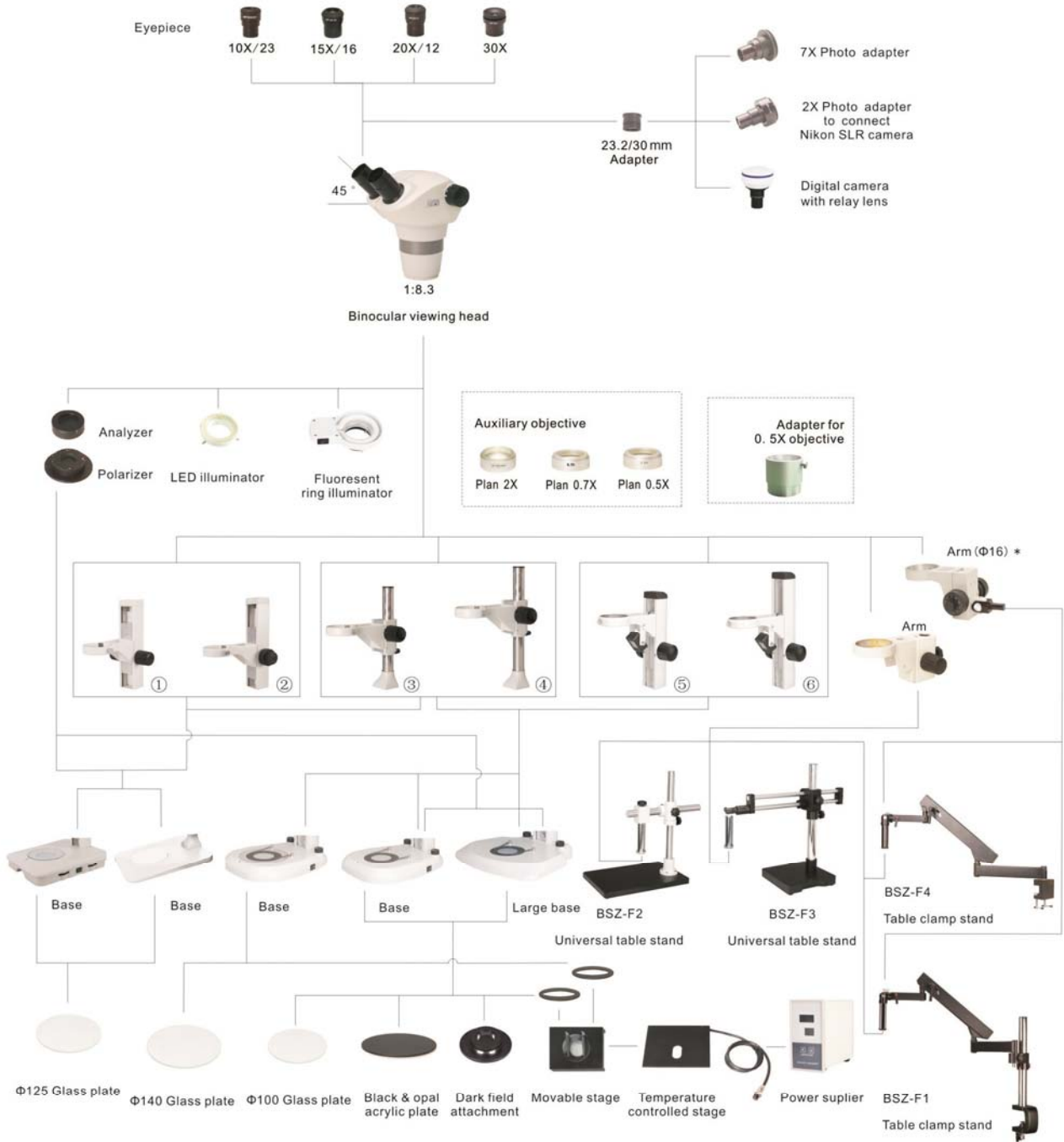
Specification

Item	Specification	BS-3044A	BS-3044B
Viewing Head	Binocular Viewing Head, Inclined at 45°, Interpupillary Distance 55-75mm	•	•

Eyepiece	Extra wide field eyepiece WF10×/Φ23mm	●	●
	WF15×/Φ16mm	○	○
	WF20×/Φ12mm	○	○
	WF30×/Φ9mm	○	○
Zoom Objective	0.6×-5×	●	●
Zoom Ratio	8.3:1	●	●
Working Distance	115mm	●	●
Auxiliary objective	0.5×, WD: 220mm	○	○
	0.7×, WD: 125mm	○	○
	2×, WD: 45mm	○	○
Stage Plate	Glass Insert Plate, Diameter 100mm	●	
	Glass Insert Plate, Diameter 125mm		●
	White&Black round plate, Diameter 100mm	●	
	White&Black round plate, Diameter 125mm		●
Focusing Unit	Coarse Focus Knob with tension adjustable, Moving range 105mm	●	●
Illumination	Incident Illumination 100V-240V/ LED	●	●
	Transmitted Illumination 100V-240V/ LED	●	●
Video Adapter	30mm adapter ring for 23.2mm eyepiece adapter	○	○
	0.45×/0.5× C-mount	○	○
Photo Adapter	Photo Adapter for Nikon or Canon DSLR camera	○	○

Note: ● Standard Outfit, ○ Optional

System Diagram



	①	②	③	④	⑤	⑥
Length	279mm	279mm	12"	18"	280mm	330mm
Coaxial coarse & fine		√				

Note: * Take away the connecting column of BSZ-F1 and BSZ-F4.

9. BS-3045 Trinocular Zoom Stereo Microscope



BS-3045A



BS-3045B

Introduction

BS-3045A/B Trinocular Zoom Stereo Microscope offer upright, un-reversed 3 D images that remain in focus throughout the zoom range. They have zoom ratio of 1:8.3. Optional eyepieces and auxiliary objectives can be used to expand magnification range and working distances.

Feature

1. High zoom ratio of 1:8.3, zoom range of 0.6×-5×, large field of view up to $\Phi 76\text{mm}$.
2. High quality optical system, providing sharp and high contrast image and ensure flat image at large depth of field, Ease the tiredness with ergonomic design.
3. With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 60000 hours.
4. With complete eyepieces, objectives and accessories, it is an ideal instrument for industry assembling, inspection and teaching field.

Application

BS-3045A/B trinocular stereo zoom microscope can be used for circuit board repairing and inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

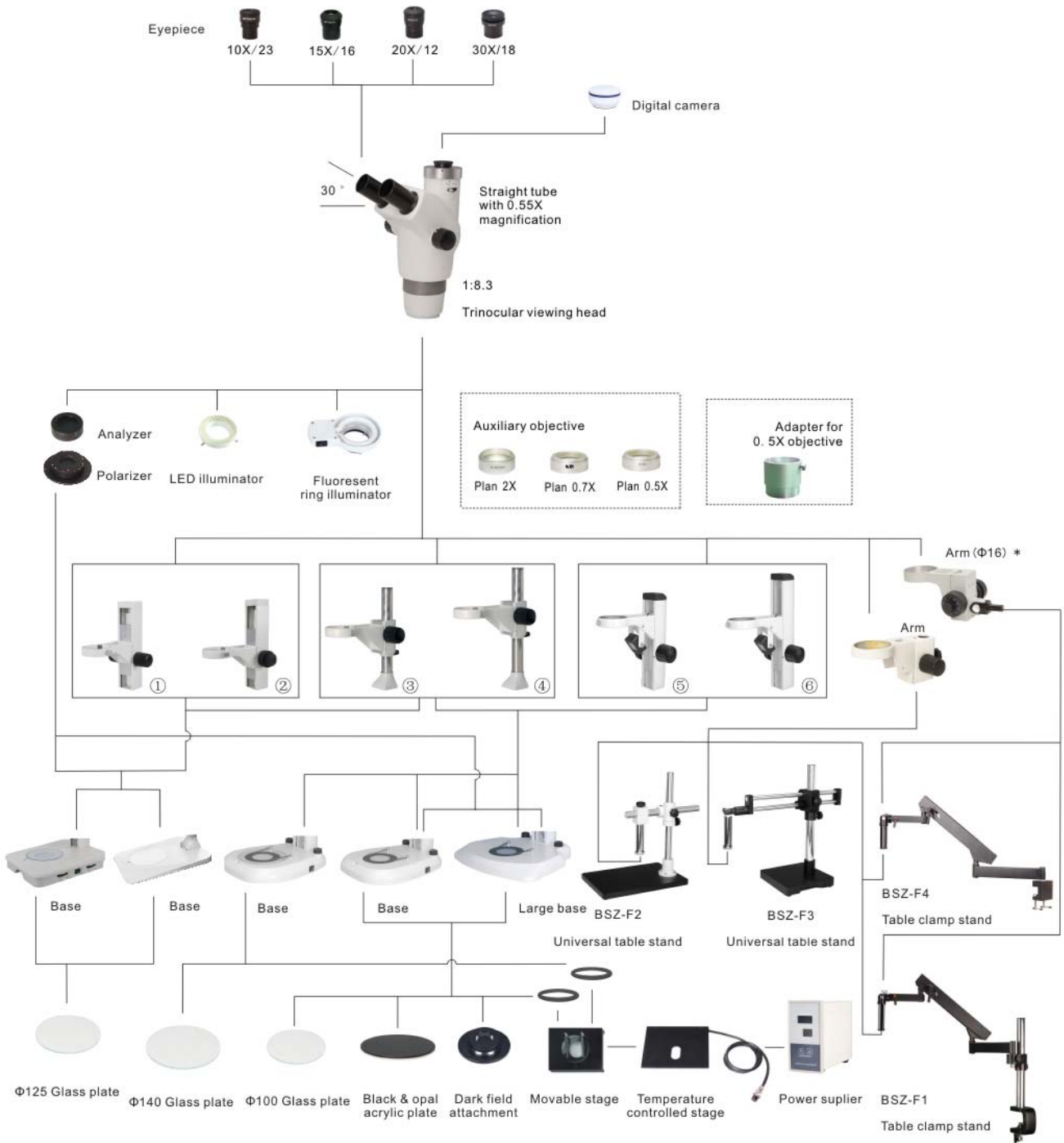
Specification

Item	Specification	BS-3045A	BS-3045B
Viewing Head	Trinocular Viewing Head, Inclined at 30°, Interpupillary Distance	•	•

	55-75mm		
Eyepiece	Extra wide field eyepiece WF10×/Φ23mm	●	●
	WF15×/Φ16mm	○	○
	WF20×/Φ12mm	○	○
	WF30×/Φ9mm	○	○
Zoom Objective	0.6×-5×	●	●
Zoom Ratio	8.3:1	●	●
Working Distance	115mm	●	●
Auxiliary objective	0.5×, WD: 220mm	○	○
	0.7×, WD: 125mm	○	○
	2×, WD: 45mm	○	○
Stage Plate	Glass Insert Plate, Diameter 100mm	●	
	Glass Insert Plate, Diameter 125mm		●
	White&Black round plate, Diameter 100mm	●	
	White&Black round plate, Diameter 125mm		●
Focusing Unit	Coarse Focus Knob with tension adjustable, Moving range 105mm	●	●
Illumination	Incident Illumination 100V-240V/ LED	●	●
	Transmitted Illumination 100V-240V/ LED	●	●
Video Adapter	0.55× C-mount	●	●
	1× C-mount	○	○

Note: ● Standard Outfit, ○ Optional

System Diagram



	①	②	③	④	⑤	⑥
Length	279mm	279mm	12"	18"	280mm	330mm
Coaxial coarse & fine		√				

Note: * Take away the connecting column of BSZ-F1 and BSZ-F4.

10. BS-3047/BS-3048 Zoom Stereo Microscope



BS-3047B2/BS-3048B2



BS-3047T2/BS-3048T2

Introduction

BS-3047/BS-3048 series Zoom Stereo Microscopes offer sharp 3D images with high zoom ratio. Adopt with the exceptional 10×/23mm or 10×/24mm eyepiece, the microscopes has features of high resolution, large depth of field, excellent color restoration and contrast. Optional eyepieces, auxiliary objectives, light source, stands and other accessories can fulfill different requirements.

Feature

1. Excellent optical system, providing sharp and high contrast image and ensure large depth of field.
2. Outstanding Ergonomic Design with 35° viewing angle, suitable for long-term sitting observation.
3. The angle for left & right light path is 12°, with stereoscopic effect, large viewing field, high zoom ratio.
4. Rotating switching to video output and input, 100% light distribution.



5. Various stands and other accessories can fulfill different requirements.



BS-3047B1/BS-3048B1



BS-3047B2/BS-3048B2



BS-3047B3//BS-3048B3



BS-3047T2/BS-3048T2



BS-3047T2/BS-3048T2 with SLR camera



BS-3047T4/BS-3048T4

We have 4 stands and binocular/trinocular head, the models are: BS-3047/8B1, BS-3047/8T1, BS-3047/8B2, BS-3047/8T2, BS-3047/8B3, BS-3047/8T3, BS-3047/8B4, BS-3047/8T4.

“B” means binocular, “T” means trinocular.

“1” means the stand with round pillar, without illumination.

“2” means the stand with square rail pillar, without illumination

“3” means the stand with round pillar, with transmitted and Incident illumination

“4” means the stand with square rail pillar, with transmitted and Incident illumination

Application

BS-3047/BS-3048 series stereo zoom microscopes are of great value in a variety of applications for education, scientific research and industrial area, such as circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

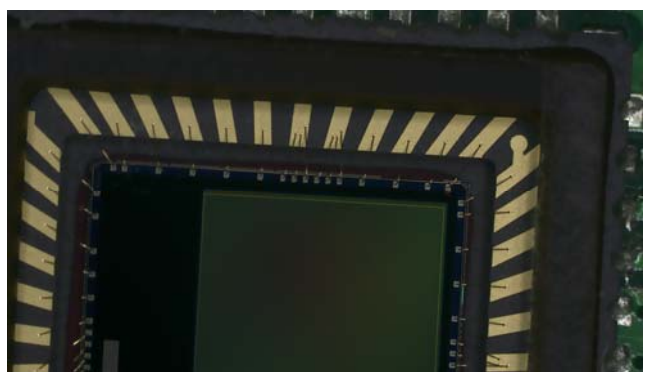
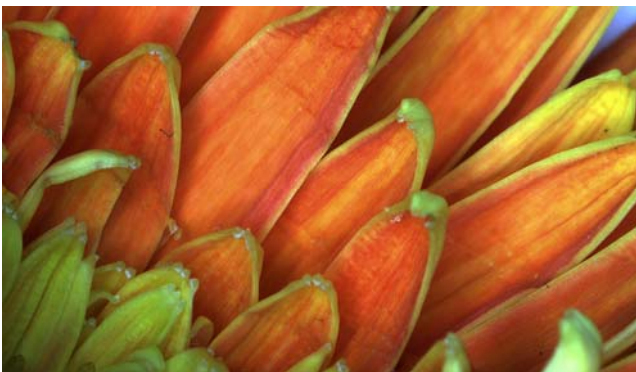
Specification

Item	Specification	BS-3047 B3	BS-3048 T4
Viewing Head	Binocular Viewing Head, Inclined at 35°, Interpupillary Adjustable Distance	•	

	50-75mm		
	Trinocular Viewing Head, Inclined at 35°, Interpupillary Adjustable Distance 50-75mm, video output distribution 100%		●
Eyepiece	Extra wide field eyepiece EW10×/23mm	●	
	Extra wide field eyepiece EW10×/24mm		●
	Wide field eyepiece WF 20×/12mm	○	○
	EW10×/23mm, EW10×/24mm, eyepiece with cross hair	○	○
Zoom Objective	0.68×-4.7×	●	
	0.66×-5.1×		●
Zoom Ratio	1: 6.8	●	
	1: 7.8		●
Working Distance	110mm	●	●
Focus Arm	Diameter 76mm	●	●
Auxiliary objective	0.5×, W.D. 189mm	○	○
	2×, W.D. 36mm	○	○
Pillar Stand	Round Pillar Stand Focusing Distance 115mm	●	
	Square Rail Pillar Stand Focusing Distance 80mm		●
Base	Base Size: 330×300mm	●	●
Stage Plate	Frosted Glass Plate, diameter 100mm	●	●
	White&Black plate, diameter 100mm	●	●
Illumination	Incident Illumination 100V-240V/ 3W LED	●	●
	Transmitted Illumination 100V-240V/ 3W LED	●	●
Attachment	Photo Attachment for SLR Camera		○
	Video Attachment 1×, 0.5× C-mount		○
Package	1pc/carton, 38*38*48cm, Gross Weight 7kg	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



11. BS-3060 Zoom Stereo Microscope



BS-3060A/B/C



BS-3060AT/BT/CT



BS-3060 with coaxial episcopic illuminator

Introduction

Stereo microscopes are also known as low magnification and dissecting microscopes. BS-3060 Series Zoom Stereo Microscope with Infinity Parallel Optical System on a post stand offers upright, un-reversed 3-D images that remain in focus throughout the zoom range. Optional eyepieces and auxiliary objectives expand magnification range and working distances.

This is a high level stereo microscope. Optional cold light and ring light can be chosen for this microscope. You can also choose trinocular head to add digital camera with the appropriate camera adapter. In summary BS-3060 series Parallel Stereo Microscopes give the greatest range of magnifications, working distances, photo options, accessories and are the most convenient to use – no wonder they are popular!

Feature

1. Excellent Image Quality & Optical Performance with Infinity Parallel Optical System.
2. Comfortable Operation with Ergonomic Design Principle.
3. With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 6000 hours.
4. A Wide Range of Accessories to be Equipped with the Microscope for Multi-purpose. It is an Outstanding Assistant in Industrial, Medical and Scientific Research Areas.

Application

BS-3060 series stereo zoom microscopes with Infinity Parallel Optical System is of great value in a variety of applications such as Industrial, Medical and Scientific Research Areas, circuit board repair, circuit board inspection, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, and repair and inspection of small parts.

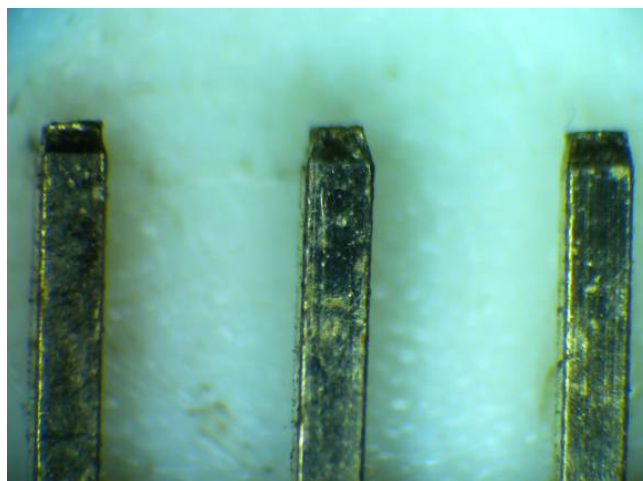
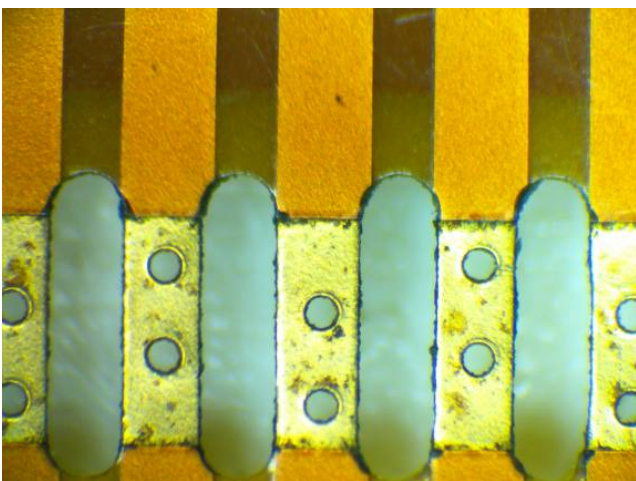
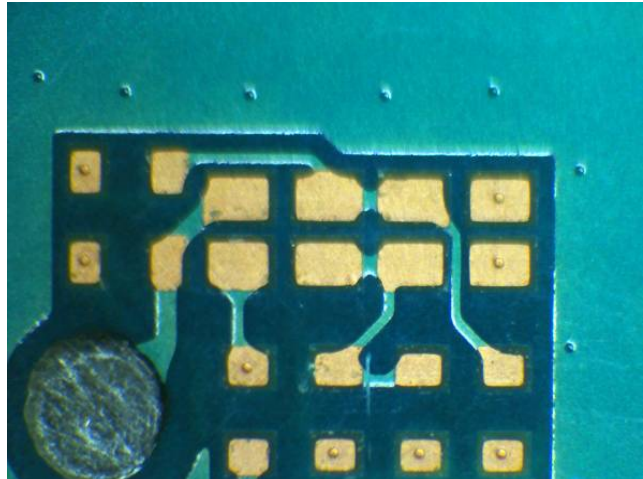
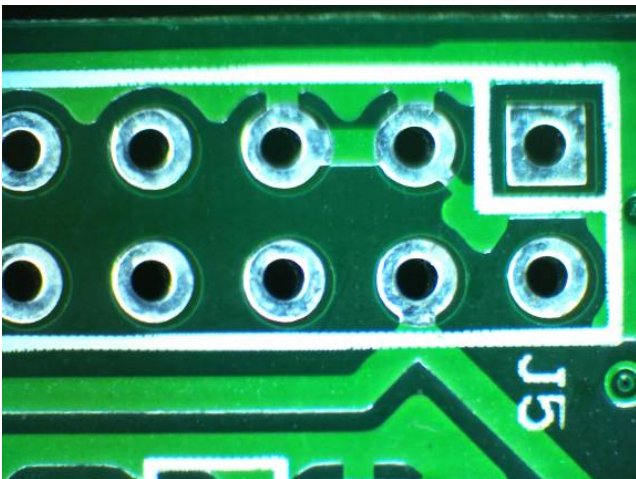
Specification

Item	Specification	BS-3060A	BS-3060B	BS-3060C
Optical System	Infinite Parallel Zoom Optical System	●	●	●
Viewing Head	Binocular Head, 20°Inclination, Interpupillary Distance 55-75mm	●	●	●
	Tilting Binocular Eyepiece Tube, 5°-35° Inclined, Interpupillary Distance 55-75mm	○	○	○
Eyepiece	EW10×/Φ22mm	●	●	●
	EW10×/Φ24mm	○	○	○
	WF15×/Φ16mm	○	○	○
	WF20×/Φ12mm	○	○	○
	WF30×/Φ8mm	○	○	○
Zoom Objective	0.8×-5×	●		
	0.8×-6.4×		●	
	0.8×-8×			●
Objective	Plan Achromatic Objective 1×, W.D.: 78mm	●	●	●
	Achromatic Objective 0.3×, W.D.: 276mm	○	○	○
	Achromatic Objective 0.5×, W.D.: 195mm	○	○	○
	Plan Apochromatic Objective 0.5×, W.D.: 126mm	○	○	○
	Plan Achromatic Objective 2×, W.D.: 32.5mm	○	○	○
Zoom Ratio	1: 6	●		
	1: 8		●	
	1: 10			●
Focusing Unit	Coarse Focus Knob with tension adjustable, Moving range 105mm	●	●	○
	Coaxial Coarse & Fine Focus Knob with tension adjustable, Moving range 105mm	○	○	●
Illumination	Transmission & Reflection LED Illumination, Brightness	●	●	●

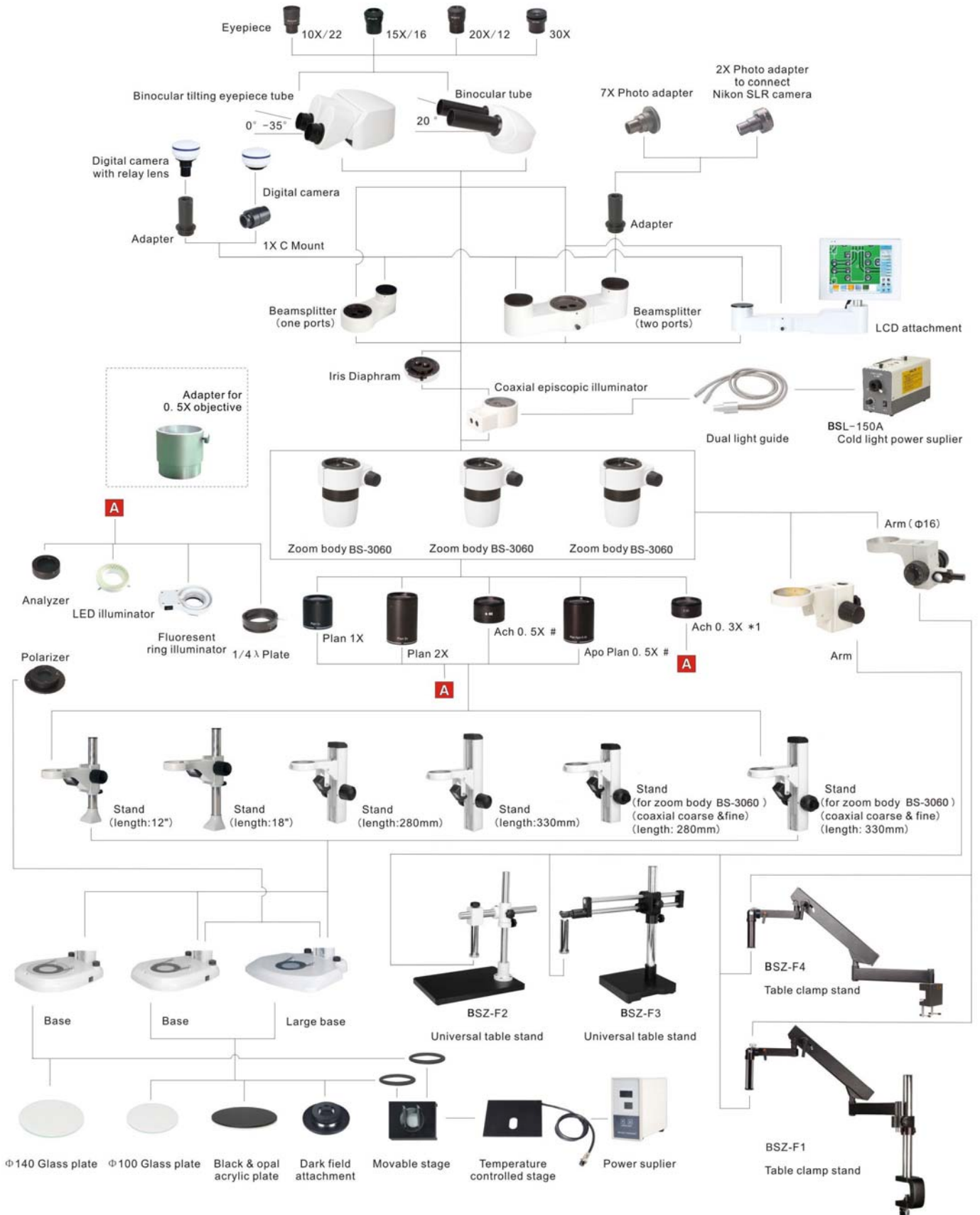
	Adjustable			
Optional Accessories	Coaxial Illumination	○	○	○
	Epi-Fluorescent Attachment	○	○	○
	Dark Field Attachment	○	○	○
	Simple Polarization Set	○	○	○
	Iris Diaphragm	○	○	○
	Beam splitter (one port)	○	○	○
	Beam splitter (two ports)	○	○	○
	Photography & video attachment	○	○	○
	Moveable Stage	○	○	○
	Temperature controlled Stage	○	○	○
	Universal Table Stand/Table Clamp Stand	○	○	○
	Cold light illumination with dual light guide	○	○	○
	LCD Attachment	○	○	○
Package	1pc/carton, 49cm*40cm*56cm, 9.5kg	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



System Diagram



12. BS-3060F Fluorescent Stereo Microscope



Introduction

BS-3060F series fluorescent stereo microscopes were designed for observation of live cells. They cover wide magnification range from 2.4×~480×, and offer sophisticated accessories. This allows the scientist to see and photograph specimens from macro views to high-magnification micro visualization. Photo tube comes with the microscope, CCD camera can be mounted on the photo tube for image capture and analysis.

Feature

1. Excellent Image Quality and Performance with Infinity Parallel Optical System.
2. High-eyepoint Eyepieces with Diopter Adjustment makes comfortable viewing.
3. Wide Magnification range from 2.4×~480×, allows you to select the best magnification to match your application, extending from the macro to the micro range.
4. High quality Epi-fluorescence attachment allows easy observation of living cells under fluorescence methods such as GFP. Switching between fluorescence and transmitted illumination is quick and easy.
5. CCD camera can be mounted on the photo tube. Because 100% of the light is delivered to the photo port, bright images are guaranteed.
6. A Wide Range of Accessories are available for Multi-purpose.

Application

BS-3060 series fluorescent stereo microscopes can be used in biology, life science, Forensic Science, Embryology/IVF, Lab-on-a-Chip, Palaeontology, Marine Biology, Regenerative Studies, Formulation Science, Veterinary areas and so on. They provide great help for scientists.

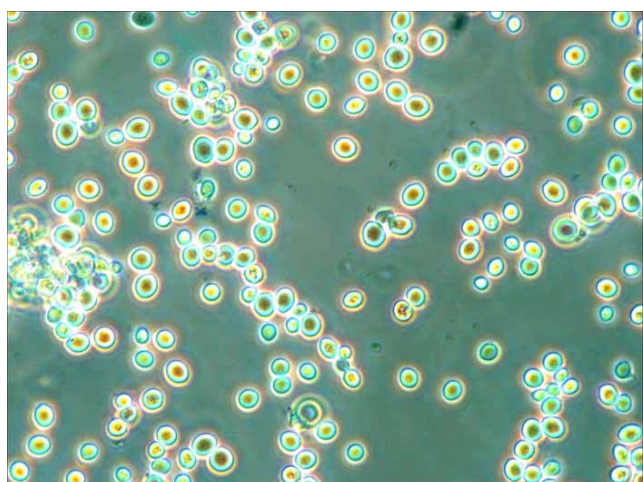
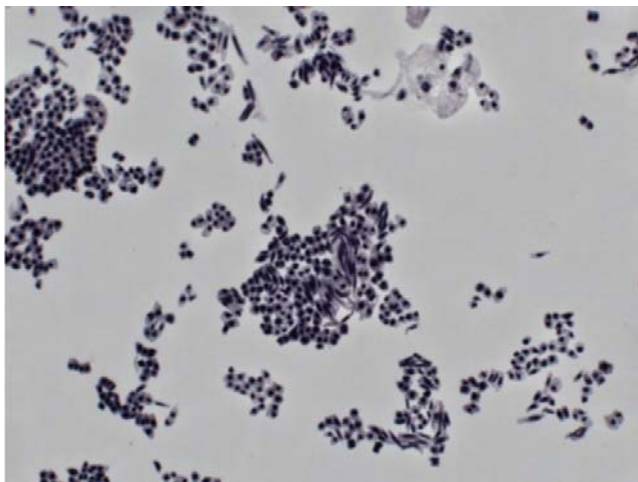
Specification

Item	Specification	BS-3060	BS-3060	BS-3060
		FA	FB	FC

Optical System	Infinite Parallel Zoom Optical System	●	●	●
Viewing Head	Binocular Head, 20°Inclination, Interpupillary Distance 55-75mm	●	●	●
	Tilting Binocular Eyepiece Tube, 5°-35° Inclined, Interpupillary Distance 55-75mm	○	○	○
Eyepiece	EW10×/Φ22mm	●	●	●
	EW10×/Φ24mm	○	○	○
	WF15×/Φ16mm	○	○	○
	WF20×/Φ12mm	○	○	○
	WF30×/Φ8mm	○	○	○
Fluorescent Attachment	GFP-B(EX460-500,DM505,BA510-560)	●	●	●
	GFP-L(EX460-500,DM505,BA510)	●	●	●
Zoom Objective	0.8×-5×	●		
	0.8×-6.4×		●	
	0.8×-8×			●
Objective	Plan Achromatic Objective 1×, W.D.: 78mm	●	●	●
	Achromatic Objective 0.3×, W.D.: 276mm	○	○	○
	Achromatic Objective 0.5×, W.D.: 195mm	○	○	○
	Plan Apochromatic Objective 0.5×, W.D.: 126mm	○	○	○
	Plan Achromatic Objective 2×, W.D.: 32.5mm	○	○	○
Zoom Ratio	1: 6	●		
	1: 8		●	
	1: 10			●
Focusing Range	105mm	●	●	●
Stand	Coaxial coarse focusing stand	●	●	
	Coaxial coarse&fine focusing stand			●
Illumination	Transmitted & Incident LED Illumination, Brightness Adjustable	●	●	●
	100W Ultra hi-voltage spherical mercury lamp, power supplier with digital display	●	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



13. BS-3070 Wide Field Stereo Microscope



BS-3070A

BS-3070B

BS-3070C

Introduction

BS-3070 series stereo microscopes features of large viewing field without eyepiece. Users can see sharp and stereoscopic images from the lens in microscope head. Built-in LED illumination provides bright and even light for comfortable viewing, brightness can be adjusted with the external power box. The microscopes are easy to operate and widely applied to biological dissection, electronics producing and inspection, minerals, historical relic restoration etc.

Feature

1. With high quality optical components, providing sharp and high contrast image at super-long working distance, super-large viewing field, large depth of focus, reduce the fatigue and improve the working efficiency.
2. With LED light, Providing even illumination and life expectancy can reach 60000 hours.
3. Various objectives are available, 2×, 4×, 6× objectives are standard, 8×, 10×, 15× and 6×SL objectives are optional. The objectives can be conveniently changed.

Application

The BS-3070 series stereo microscopes are of great value in a variety of applications such as education, biological dissection and industrial areas. They are mainly used for circuit board inspection and repair, surface mount, electronics inspection, coin collecting, gemology and gemstone identification, engraving, repair and inspection of small parts. They are mainly used for following areas:

- Electronics: PCB board assembling, inspection, repair and weld.
- Precision project & Plastic: QC, Micro-welding, Micro-machining, Injecting.
- Medical & Dentistry Equipment Manufacturing: precise manufacture and assembling, Fine Dressing, Color Matching, inspection and repair.
- Biological and medical: specimen-making, dissecting, Dyeing, Microscopy.

- Public Security System: Trace comparison, stamp and signature identification, bank note and other note identification and evidence analysis.

Specification

Item	Specification	BS-3070A	BS-3070B	BS-3070C
Viewing Head	2× high quality optical head without eyepieces	●	●	●
Objective	2×, WD: 208mm, FOV: 68mm	●	●	●
	4×, WD: 98mm, FOV: 34mm	●	●	●
	6×, WD: 80mm, FOV: 22.7mm	●	●	●
	8×, WD: 58mm, FOV: 17mm	○	○	○
	10×, WD: 46mm, FOV: 13.6mm	○	○	○
	15×, WD: 50mm, FOV: 9.1mm	○	○	○
	6×SL(Super Long working distance), WD: 115mm, FOV: 22.7mm	○	○	○
Total magnification	4×-12×	●	●	●
Illumination	3W built-in LED illumination with external control box	●	●	●
Stand	Column height 500mm, moving range 175mm, Base 400×300×20mm	●		
	Column height 580mm, moving range 330mm, Base 400×300×20mm, stage size: 210×190mm		●	
	Universal stand can be fixed on table			●
Focus	Coarse focus with focus knob on stand	●	●	
	Focus with handle on head			●

Note: ● Standard Outfit, ○ Optional

Accessories of Stereo Microscope

1. BSL-150A Series Cold Light Illumination



Cold Light Power Supplier



Single Light Guide



Dual Light Guide



Ring Light Guide



Kohler Illumination Attachment

Introduction

BSL-150A Series Cold Light Illumination is designed as an auxiliary lighting device for microscope in order to get better observation results.

Features

1. More stable power supply with CE standard electrical equipment and PC control circuit.
2. With delay startup design to protect eyes and electrical equipment caused by sudden brightness.
3. Enhancing the security with skillful power off device.
4. Cooling the illumination better with advanced wind loop design.
5. Reliable with stable structure.
6. Longer working life and lower noisy.

Specification

Item	Specification	L-150A-1	L-150A-2	L-150A-O
Power Supplier	Switch Power 110V/ 220V	•	•	•

	T-H Lamp with Reflector 20V/ 150W			
	Brightness Adjustable			
	Multi-coated IR Cutoff Filter for Heat Insulation			
	Fan Cooling			
	Size: 260×120×150mm			
	Weight 3.3 kg			
Single Light Guide	Rigid Flexional Tube, Length 500mm	●		
Dual Light Guide	Rigid Flexional Tube, Length 500mm		●	
Ring Light Guide	Flexible Tube, Length 1000mm, Adapter Ring Size Φ50mm/ Φ60mm			●
Kohler Illumination Attachment	Attached on Single or Dual Light Guide to adjust and obtain Even Illumination	○	○	

Note: ● Standard Outfit, ○ Optional

2. BSL-5A LED Light Source



Fiber technical parameters: Fiber length 550mm, beam diameter 8mm, with collector.



Single Hard Fiber



Double Hard Fiber



Ring Soft Fiber

Introduction

BSL-5A LED Light Source is designed as an auxiliary lighting device for microscope in order to get better observation results. The LED light source provides high quality illumination and saves energy.

Features

1. More stable power supply with CE standard electrical parts and circuit.
2. Enhancing the security with skillful power off device.
3. Reliable with stable structure.

4. Longer working life and lower noisy.

Specifications

Item	Specification	BSL-5A-1	BSL-5A-2	BSL-5A-O
Power Supplier	Input Voltage:85V-240V/ 50-60Hz	●	●	●
	5W LED light lamp			
	Brightness Adjustable			
	with a 5/8" Fiber Optic Cable adapter with metal housing			
	The color temperature is 5600K			
	Size: 200×85×110mm			
	Weight 2 kg			
Single Light Guide	Single Hard Fiber, length 550mm, beam diameter 8mm, with collector.	●		
Dual Light Guide	Double Hard Fiber, length 550mm, beam diameter 8mm, with collector.		●	
Ring Light Guide	Ring Soft Fiber, length 550mm, beam diameter 8mm, with collector, Adapter Ring Size Φ 50mm/ Φ 60mm			●
Package	1 set/carton, 300*250*210mm, 2.3kg			
	4 sets/carton, 540*320*470mm, 10kg			

Note: ● Standard Outfit, ○ Optional

3. BAL-2 Fluorescent Ring Light



With high brightness and even illumination, simple structure and easy to operate, BAL-2 fluorescent ring light is used as incident illuminator for stereomicroscopes.

Specification:

Fluorescent Lamp: 110V or 220V, 8W or 10W, Φ 30- Φ 60mm.

4. BAL-8 LED Ring Light



With high brightness and even illumination, simple structure and easy to operate, BAL-8 LED ring light is used as incident illuminator for stereomicroscopes.

Specification:

LED: 110V or 220V, 54 or 48 Pieces LED, $\Phi 30$ - $\Phi 60$ mm

5. BAL-72 LED Ring Light



Application

BAL-72 LED ring light can be used for inspection and imaging illumination on stereo microscopes and machine vision systems.

Feature

1. Intensity Adjustment, Good Variable Control Permit Gradual Increase in Brightness with Four-zone Lighting Control Separately.
2. Reliability and Durability.
3. Low Power, Consumption, Super Brightness.
4. Metal Shell and ESD.
5. Reasonable Design, Uniformity Light, Non-flicker & Shadow.

Specification

1. LED Q'ty: 72LEDs
2. Mounting Diameter: 62mm, Outer Diameter: 98mm
3. Input Power: DC12V 600mA
4. Input Voltage: Universal 100-240V AC
5. Output Power: 7.2W
6. LED Color Temperature: ± 6500 K
7. LED Luminance: > 15000 mcd
8. LED Angle: 18° (Consistent)
9. LED Lifetime: 100,000 hrs
10. Working Distance: 95-115mm
11. LED Color: White (Optional Other Colors)

Standard Configuration

72LED Lamp, Light Control Box, DC12V Power Supply

6. Other LED Ring Light



BAL-56



BAL-60



BAL-64



BAL-72B



BAL-144

Application

BAL Series LED ring light can be used for inspection and imaging illumination on stereo microscopes and machine vision systems.

Feature

1. Light intensity is adjustable.
2. Very competitive price.
3. Plastic Casing(BAL-60 and BAL-72B have metal casing), Reliability and Durability.
4. Low Power Consumption, Super Brightness.
5. Reasonable Design, Uniformity Light, Non-flicker & Shadow.

Specification

Model	BAL-56	BAL-60	BAL-64	BAL-72B	BAL-144
Led Bulb Number	56pcs Led Bulb	60pcs Led Bulb	64pcs Led Bulb	72pcs Led Bulb	144pcs Led Bulb
Connector Size	61mm	62mm	61mm	61mm	61mm
Brightness	More than 12,000Lux	More than 20,000Lux	More than 20,000Lux	More than 50,000Lux	More than 18,000Lux
Adjustment Range	From 0-100%	From 0-100%	From 0-100%	From 0-100%	From 0-100%
Working Distance	50-250mm	50-250mm	50-250mm	40-250mm	40-250mm
Power	3.5W	6W	4W	5W	4.5W
Input Voltage	90V-240V	90V-265V	90V-240V	100V-240V	90V-240V
Output	12V/0.5A	24V	12V/0.5A	12V/1A	12V/0.5A
Working Life	More than 20,000 hrs	More than 20,000 hrs	More than 20,000 hrs	More than 20,000 hrs	More than 20,000 hrs

7. Stand and other accessories



BSZ-F1 Stand

Column height: 400mm, Φ 38mm
 Column for focus Arm: Φ 30mm



BSZ-F2 Stand

Column height: 454mm, Φ 29.5mm
 Base size: 396*276mm
 Column for focus Arm: Φ 30mm



BSZ-F3 Stand

Column height: 490mm, Φ 38mm
 Base size: 253*253mm
 Column for focus Arm: Φ 30mm



BSZ-F4 Stand

Column for focus Arm: Φ 30mm



BSZ-F9 Stand

Column height: 280mm
 Glass plate: Φ 100mm
 Microscope Arm: Φ 76mm



BSZ-F10 Stand

Column height: 280mm
 Glass plate: Φ 140mm
 Microscope Arm: Φ 76mm



BSZ-F11 Stand

Column height: 280mm
 Glass plate: Φ 100mm
 Microscope Arm: Φ 76mm



BSZ-F12 Stand

Microscope Arm: Φ 76mm

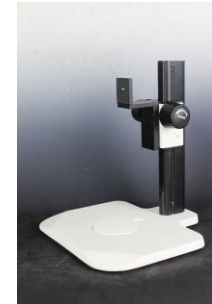


BSZ-F13 Stand

Clamp Size: 103*77*115mm
 Max. Table thickness: 52mm
 Length of Horizontal Arm: 507mm



<p>BSZ-F14 Stand Base Size: 382*260*24mm Column height: 408mm, Φ32mm Microscope Arm: Φ76mm</p>	<p>BSZ-F15 Stand Base Size: 382*260*24mm Column height:408mm, Φ32mm Horizontal stick Length: 408mm Microscope Arm: Φ76mm</p>	<p>BSZ-F16 Stand Base Size: 318*308*16mm Column height: 326mm Focusing Range: 160mm Microscope Arm: Φ76/Φ40/Φ45mm</p>
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<p>BSZ-F17 Stand Base Size: 318*308*16mm Column height: 326mm Focusing Range: 160mm Microscope Arm: Φ76/Φ40/Φ45mm</p>	<p>BSZ-F18 Stand Base Size: 318*308*16mm Column height: 500mm Focusing Range: 160mm Microscope Arm: Φ76/Φ40/Φ45mm</p>	<p>BSZ-F19 Stand(For Camera) Base Size: 318*308*16mm Column height: 326mm Focusing Range: 160mm</p>
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<p>BMS-302 X-Y Stage Stage Size: 180*155*26mm, Moving Rang: X-75mm, Y-55mm, Accuracy: 0.1mm</p>	<p>BMS-311 Measuring Stage Stage Size: 160*123*21mm, Moving Rang: X-75mm, Y-50mm, Accuracy: 0.1mm</p>	<p>BMS-304 X-Y Stage Stage size: 254*203*25mm, Moving Range: 100mm*100mm, Glass Stage: Φ 140mm</p>
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BS-4000 Industrial Inspection Microscope





Introduction

BS-4000 series microscopes are specially designed for precise industrial inspection. They adopt infinite optical system and long working distance high-power objective lens. They provide an outstanding optical performance and available to IT industry, large-scale integrated circuits, chips observation and testing.

Feature

4. Big stage with extra large moving range 250×250mm.
5. Well designed structure, easy to operate.
6. Excellent optical quality with Infinite Optical System and LWD high magnification objective.
7. Stage speedy movement by hand to get observation point immediately.
8. Easy, Safe and Reliable Lamp Replacement.
9. Comfortable and enjoyable operation with low and pre position control knob.

 <p>BS-4000A BS-4000B</p>	<p>Suitable for different Specimen Observation with Polarization Set.</p>
	<p>Big stage with extra large moving range, both movement by hand and precise adjustment by knob are available.</p>

Application

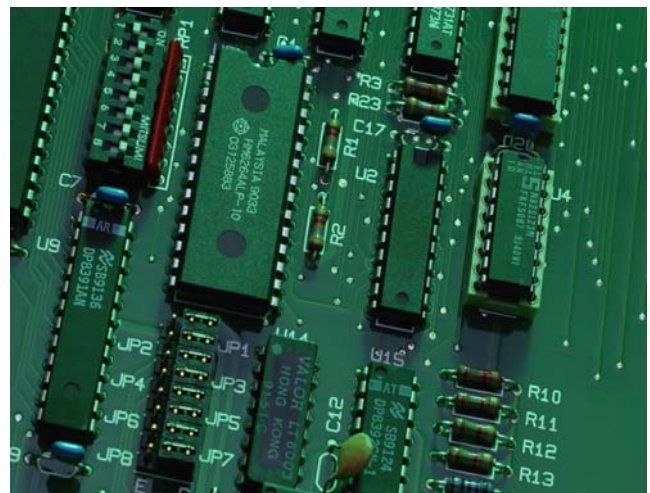
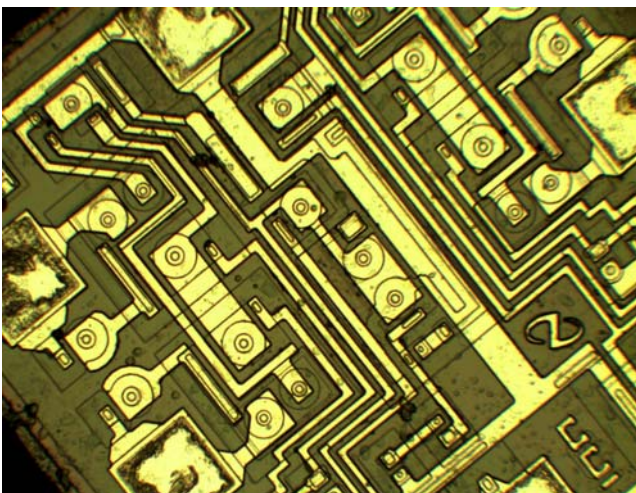
It is specially used in IT Industry for Large Area Integrate Circuit board, Wafer Observation and other industrial Inspection.

Specification

Item	Specification		BS-4000A	BS-4000B
Viewing Head	Seidentopf type trinocular head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm		●	●
Eyepiece	Extra Wide Field Eyepiece EW10×/ 22		●	●
Objective	Infinite Plan Achromatic Objectives	4×/0.1/∞/- WD 17.8mm	●	
		5×/0.12/∞/- WD 15.5mm	○	●
		10×/0.25/∞/- WD 10.0mm	●	
		10×/0.25/∞/- (BF/DF) WD 10.0mm		●
		20×/0.40/∞/0 WD 5.8mm	●	
		20×/0.40/∞/0 (BF/DF) WD 4.3mm		●
		40×/0.6/∞/0 WD 2.9mm	●	
		50×/0.75/∞/0 WD 0.32mm	○	●
Nosepiece	Quadruple Nosepiece		●	
	Quintuple Nosepiece			●
Stage	Stage size 300×268mm, Moving range 250×250mm		●	●
Focusing	Coaxial coarse & fine Adjustment, Moving Range 24mm		●	●
Illumination	6V/ 20W Halogen Lamp, Brightness Adjustable		●	
	24V/ 100W Halogen Lamp, Brightness Adjustable			●
Polarization Set	Analyzer and Polarizer		○	○
Filter	Blue, Green, Yellow and Frosted glass filters		●	●
Photo Adapter	Used to connect DSLR cameras(Nikon & Canon)		○	○
Video Adapter	1× or 0.5× C-Mount		○	○

Note: ● Standard Outfit, ○ Optional

Sample Image



BS-5000 Series Polarizing Microscope

1. BS-5020 Monocular Polarizing Microscope



Introduction

The BS-5020 monocular polarizing microscope is specifically designed for geology, minerals, metallurgy, university teaching laboratories and other sectors. It also can be used in chemical fiber industry, semiconductor industry and the pharmaceutical inspection industry. Digital camera can be used together with the microscope for image analysis.

Feature

1. Supply sharp and clear images.
2. Widely used in crystallography, Analytical chemistry, Medicine, Biology, Environmental, Pharmacy, toxicology and so on.

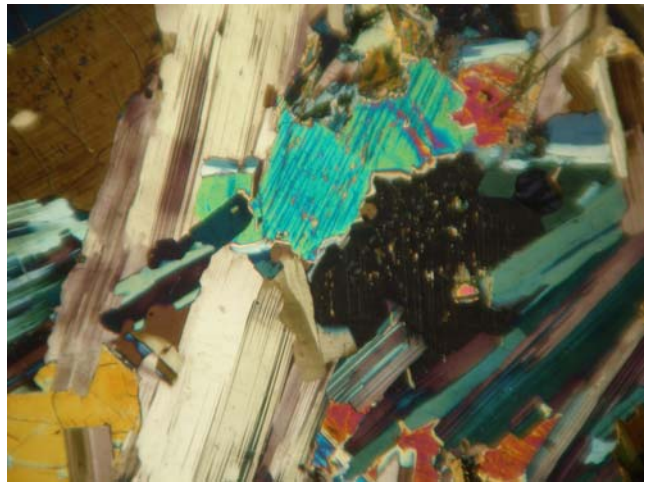
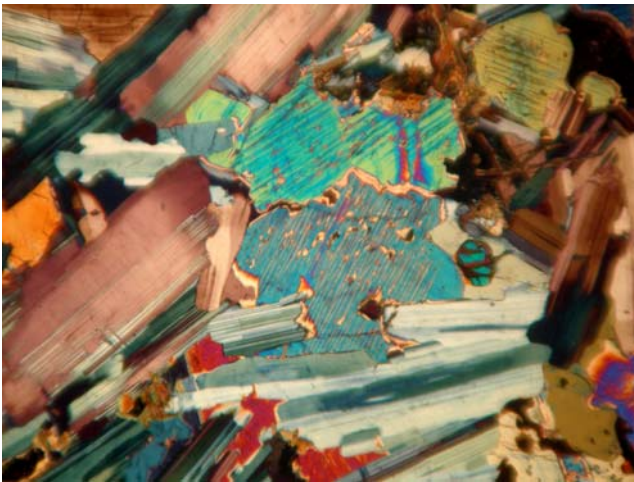
Specification

Item	Specification	BS-5020
Eyepiece	Eyepiece WF10×/18 with scale of cross hair	•
	Eyepiece WF10×/18 with graticule	•
	Eyepiece WF10×/18	•
	Eyepiece WF5×/20	•
Objective	Strain free achromatic objective 4×, 10×, 25×, 40×, 63×	•
Bertrand Lens	Bertrand lens, Sliding in/out of optical path	•

Optical Compensator	λ Slip (first class red), $1/4\lambda$ Slip, Quartz wedge	●
Revolving Round Stage	Diameter $\Phi 130\text{mm}$, Graduated in 1° increments, Minimum resolution 6' when using vernier scale	●
Condenser	NA1.25 Abbe condenser with iris diaphragm & filter	●
Polarizer	360° Rotatable, Located on the top of collector	●
Illumination	6V/20W Halogen lamp, Brightness adjustable (Transmitted illumination)	●
Accessories	Micrometer 0.01mm	●
	Blue filter	●

Note: ●Standard Outfit, ○Optional

Sample Image



2. BS-5030 Reflected Polarizing Microscope



Introduction

The BS-5030 series reflected polarizing microscopes are specifically designed for geology, minerals, metallurgy, university teaching laboratories and other sectors. They also can be used in chemical fiber industry, semiconductor industry and the pharmaceutical inspection industry. Digital camera can be used together with the microscope for image analysis.

Feature

1. Reflected polarizing microscope for normal inspection and education.
2. Widely used in petrology, geology, mineralogy, metallurgy, materiology and so on.

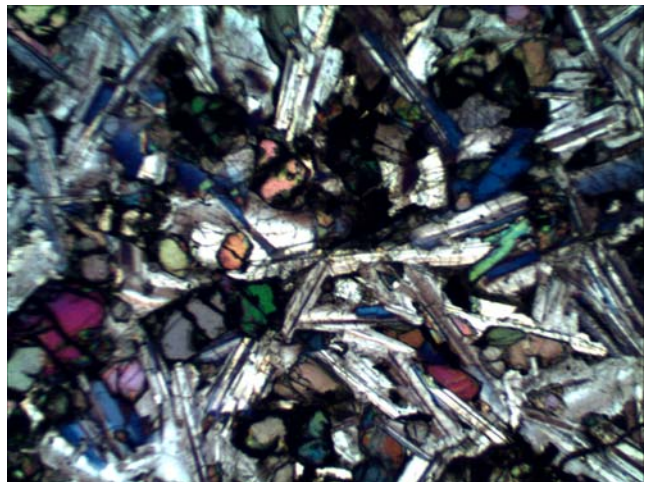
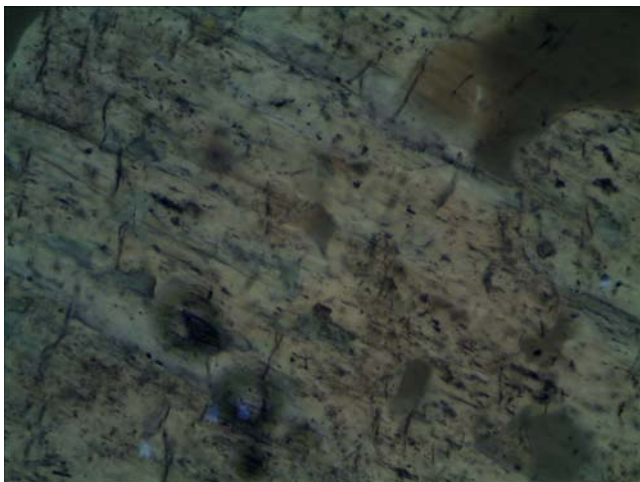
Specification

Item	Specification	BS-5030B	BS-5030T
Viewing Head	Sliding binocular viewing head, Inclined at 45°	●	
	Sliding trinocular viewing head, Inclined at 45°		●
Eyepiece	Eyepiece WF10×/18 with scale of cross hair	●	●
	Eyepiece WF10×/ 18 with graticule	●	●
	Eyepiece WF 10×/18	●	●
Objective	Strain free achromatic objective 4×,10×	●	●
	Strain free plan achromatic objective 25×, 40×, 63×	●	●
	Lamp house adjustment objective	○	○
Nosepiece	Backward 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/ 4 λ Slip, Quartz wedge	●	●
Stage	Revolving Round Stage, Diameter Φ 160mm, Graduated in 1°Increments, Minimum resolution 6' when using vernier Scale	●	●
Focusing	Coaxial coarse & fine adjustment, Range 28mm, Fine division 0.002mm	●	●
Illumination	12V/ 50W Halogen lamp, Brightness adjustable	●	●
Accessories	Mechanical stage, Moving rang 30×40mm	●	●
	Specimen presser	○	○
	Micrometer	●	●

Note: ●Standard Outfit, ○Optional

Sample Image



3. BS-5040 Polarizing Microscope



BS-5040B



BS-5040T

Introduction

The BS-5040 series transmitted polarizing microscopes are equipped with a smooth, rotating, graduated stage and a set of polarizers that allow observation of all types of transmitted light polarized specimens such as thin sections of minerals, polymers, crystals and particulates. It is equipped with an infinite optical system, a comfortable viewing head and a set of Strain-free Infinity Plan Objectives which give a magnification range of 40X – 400X. Digital camera can be used together with BS-5040T for image analysis.

Feature

1. Color Corrected Infinity Optical System.
2. Infinity Strain-free Plan Objectives, ensuring excellent resolution and clarity.
3. Center adjustable nosepiece and center adjustable rotating platform make the operation more accurate and reliable.

Application

The BS-5040 series polarizing microscopes are specifically designed for geology, minerals, metallurgy, university teaching laboratories and other sectors. They also can be used in chemical fiber industry, semiconductor industry and the pharmaceutical inspection industry.

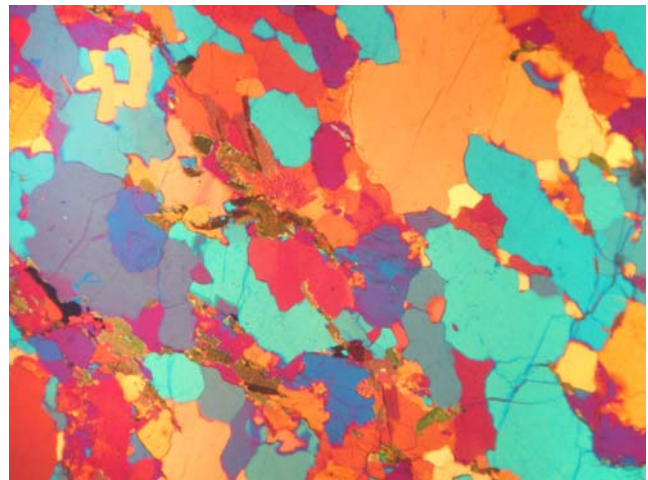
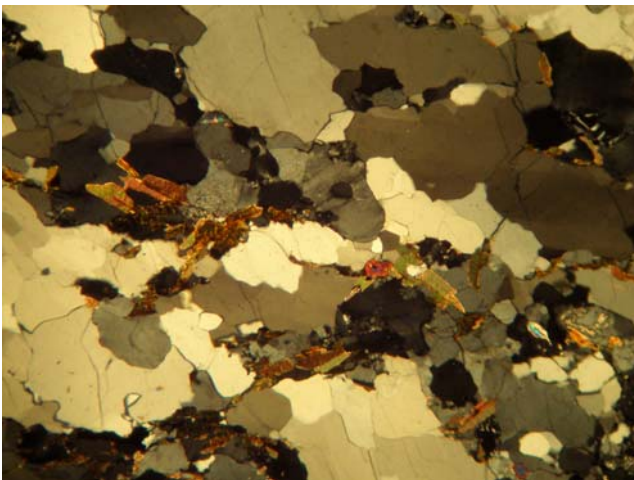
Specification

Item	Specification	BS-5040B	BS-5040T
Optical System	Color Corrected Infinity Optical System	•	•
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm.	•	

	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm. Light Distribution: 20:80		●
Eyepiece	WF 10×/18mm	●	●
	WF 10×/18mm (Graticule 0.1mm)	●	●
Objective	Strain-free Infinity Plan Objective	4×	●
		10×	●
		20× (S)	●
		40× (S)	●
		60× (S)	○
Nosepiece	Center Adjustable Quadruple Nosepiece	●	●
Analyzing Unit	Rotatable 360°(Module Type, Can Be Locked)	●	●
Bertrand Lens	Inbuilt, Center Adjustable	●	●
Optical Compensator	λ Slip First Class Red	●	●
	1/4λ Slip	●	●
	(I -IV Class) Quartz Wedge	●	●
Stage	Revolving Round Stage, Rotatable 360°, Center Adjustable, Division 1°, Vernier division 6'	●	●
	Polarizing Attached Mechanical Stage	○	○
Condenser	Abbe N.A. 1.25 Non-stress	●	●
Polarizing Unit	With Scale Rotatable 360°, Can Be Locked	●	●
Illumination	6V/20W Halogen Lamp	●	●
	6V/30W Halogen Lamp	○	○
Filter	Blue(Built in)	●	●
	Amber	○	○
	Green	○	○
	Neutral	○	○
C-mount	1×, 0.5X (Focus adjustable)		○
Package	1pc/carton, 57×27.5×45cm, Gross Weight: 8.6 kgs	●	●

Note: ● Standard outfits, ○ Optional.

Sample Image



4. BS-5060 Polarizing Microscope



Introduction

The BS-5060 is equipped with a smooth, rotating, graduated stage and a set of polarisers that allow observation of all types of transmitted light polarized specimens such as thin sections of minerals, polymers, crystals and particulates.

It is equipped with a comfortable viewing, adjustable binocular head and a fine set of achromatic objectives giving a magnification range of 40X – 400X. The analyser mounted in the head is retractable and the polariser is mounted over the collector near the lamp and is rotatable though 360deg. The microscope is also supplied with a rack and pinion mounted, adjustable condenser with a 20W illumination source and coarse/fine focus knobs with limit stoppers and tension adjustment.

Features

1. Easy to operate.
2. Eyepiece with Scale of Crosshair, easy to analyze.
3. With polarizing accessories.

Application

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.

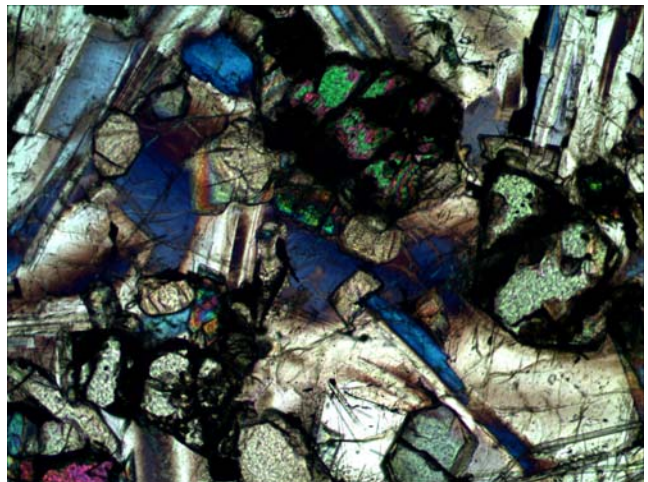
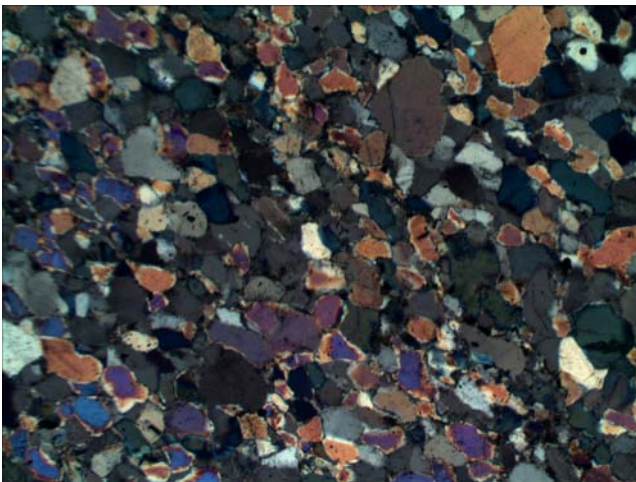
Specification

Item	Specification	BS-5060B	BS-5060T
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/ 4 λ Slip	●	●
	Quartz wedge	●	●
Revolving Round Stage	Diameter Φ 160mm, Graduated in 1° 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	●	●

Note: ● Standard Outfit, ○ Optional

Sample Image



5. BS-5062 Series Polarizing Microscope



BS-5062B



BS-5062TR



BS-5062TTR

Introduction

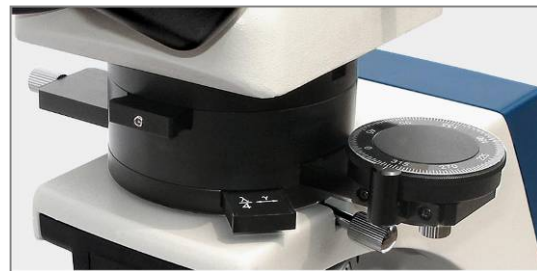
BS-5062 series polarizing microscopes feature a highly robust construction and first class optics to provide a long life and excellent quality images. Accessories like Gypsum slide, Mica slide, Quartz wedge and Mechanical stage are available. The microscopes are specifically designed for geology, minerals and material areas. They also can be used in chemical fiber, semiconductor and pharmaceutical industries.

Feature

1. Excellent Infinite Optical System.
2. Widely used in geology, Mineralogy, Fossil fuel exploration.
3. Single polarization, othorgonal polarization or conoscopic observation is available.



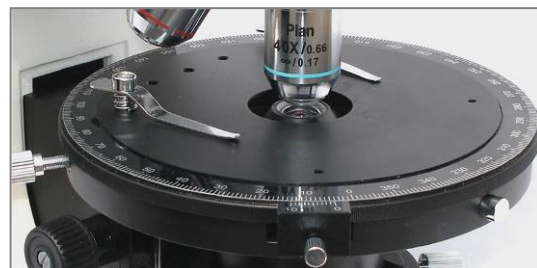
Professional dedicated polarizing binocular / trinocular head can keep the cross in the right-hand eyepiece always same when the eyepiece tubes turned.



Bertrand lens
360° rotatable analyzer(with division, can be locked), can be moved out of the light path.



Centering Nosepiece



Centering Revolving Round Stage



Polarizer



Swing-out Condenser



Compensator



Polarizing Attached Mechanical Stage

Application

BS-5062 series polarizing microscopes are ideal instrument in geology, petroleum, coal, mineral, chemicals, semiconductor and pharmaceutical inspection fields. They are widely used in academic demonstration and scientific research areas.

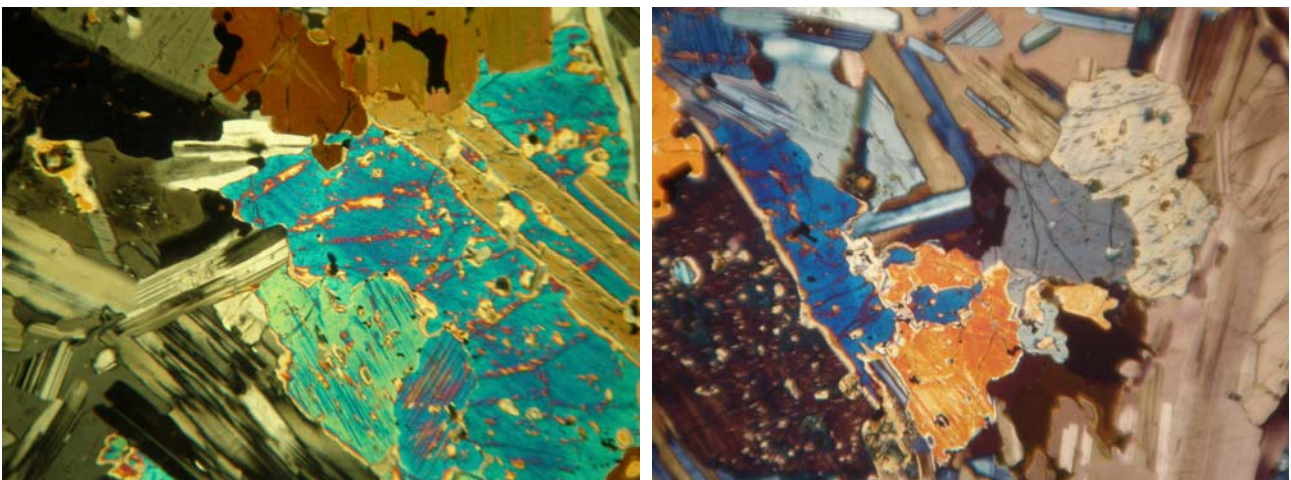
Specification

Item	Specification	BS-5062	BS-5062	BS-5062
		B	BR	BTR
Optical System	Infinite Optical System	●	●	●
Viewing Head	Seidentopf Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 50-75mm.	●	●	●
	Seidentopf Trinocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 50-75mm, Light Distribution: 0:100	○	○	○
Eyepiece	WF10×/18mm		●	●
	WF10×/18 mm (Reticule 0.1mm)		●	●
	WF10×/20 mm	●		
	WF10×/20 mm (Reticule 0.1mm)	●		
	WF16×/13mm	○	○	○
Non-stress Infinity Plan Objective	4×/0.10	●	●	●
	10×/0.25	●	●	●
	20×/0.40(S)	●	●	●
	40×/0.65(S) (0.17mm cover glass)	●		●
	40×/0.65S) (no cover glass)(Reflected)		●	○
	60×/0.80 (S)	○	○	●

LWD Infinity Plan Objective (no cover glass) (Reflected)	20×/0.40 (S) W.D=8.35mm		○	○
	40×/0.65 (S) W.D=3.90mm		○	○
	50×/0.70 (S) W.D=1.95mm		○	○
	80×/0.80 (S) W.D=0.85mm		○	○
Nosepiece	Backward Quintuple nosepiece, center adjustable	●	●	●
Analyzer Unit	With Scale, Rotatable 360°(Module Type, Can Be Locked)	●	●	●
Bertrand Lens	Built In, Center Adjustable	●	●	●
Optical Compensator	λ Slip(First Class Red), 1/4 λ Slip, Quartz Wedge (I -IV Class)	●	●	●
Revolving Round Stage	Diameter Φ 156mm, Rotatable 360°, Center Adjustable, Division 1°, Vernier Division 6'	●	●	●
Mechanical Stage	Polarizing Attached Mechanical Stage with X-Y movement	○	○	○
Focusing	Coaxial Coarse & Fine Adjustment, Range 25mm, Fine Stroke 0.2mm, Fine Division 0.002mm	●	●	●
Swing-out Condenser	N.A.0.9/0.13 swing out achromatic condenser	●		●
Polarizing Unit	with Scale, Rotatable 360°, Can Be Locked	●		●
Transmitted Illumination	Koehler Illumination 6V/20W Halogen Lamp	●		●
	Koehler Illumination 6V/30W Halogen Lamp	○		○
Filter	Blue	●	●	●
	Amber, Green, Neutral	○	○	○
Reflecting Polarizing Unit	Halogen Lamp House 12V/50W		●	●
	Power House		●	●
	Polarizer Choosing Slide		●	●
C-mount	1×	○	○	○
	0.5× (Focus adjustable)	○	○	○

Note: ● Standard Outfit, ○ Optional

Sample Image



6. BS-5070 Polarizing Microscope



BS-5070B



BS-5070BTR

Introduction

The BS-5070 series polarizing microscopes are specifically designed for geology, minerals, metallurgy, university teaching laboratories and other sectors. They also can be used in chemical fiber industry, semiconductor industry and pharmaceutical inspection industry. BS-5070 polarizing microscope features a highly robust construction and first class optics designed to provide a long life and excellent quality images. BS-5070BTR and BS-5070TTR have transmitted and reflected illumination system, which give a much better effect and wider application. The microscopes can be used for Single polarization, orthogonal polarization and conoscopic observation. Digital camera can be used together with the microscope for image analysis. Accessories like Gypsum slide, Mica slide, Quartz wedge and Mechanical stage are available.

Feature

1. Excellent Infinite Optical System.
2. Widely used in geology, Mineralogy, Fossil fuel exploration.
3. Single polarization, orthogonal polarization or conoscopic observation is available.
4. Transmitted and reflected illumination system of BS-5070BTR and BS-5070TTR offers a much better effect and wider application.

Application

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

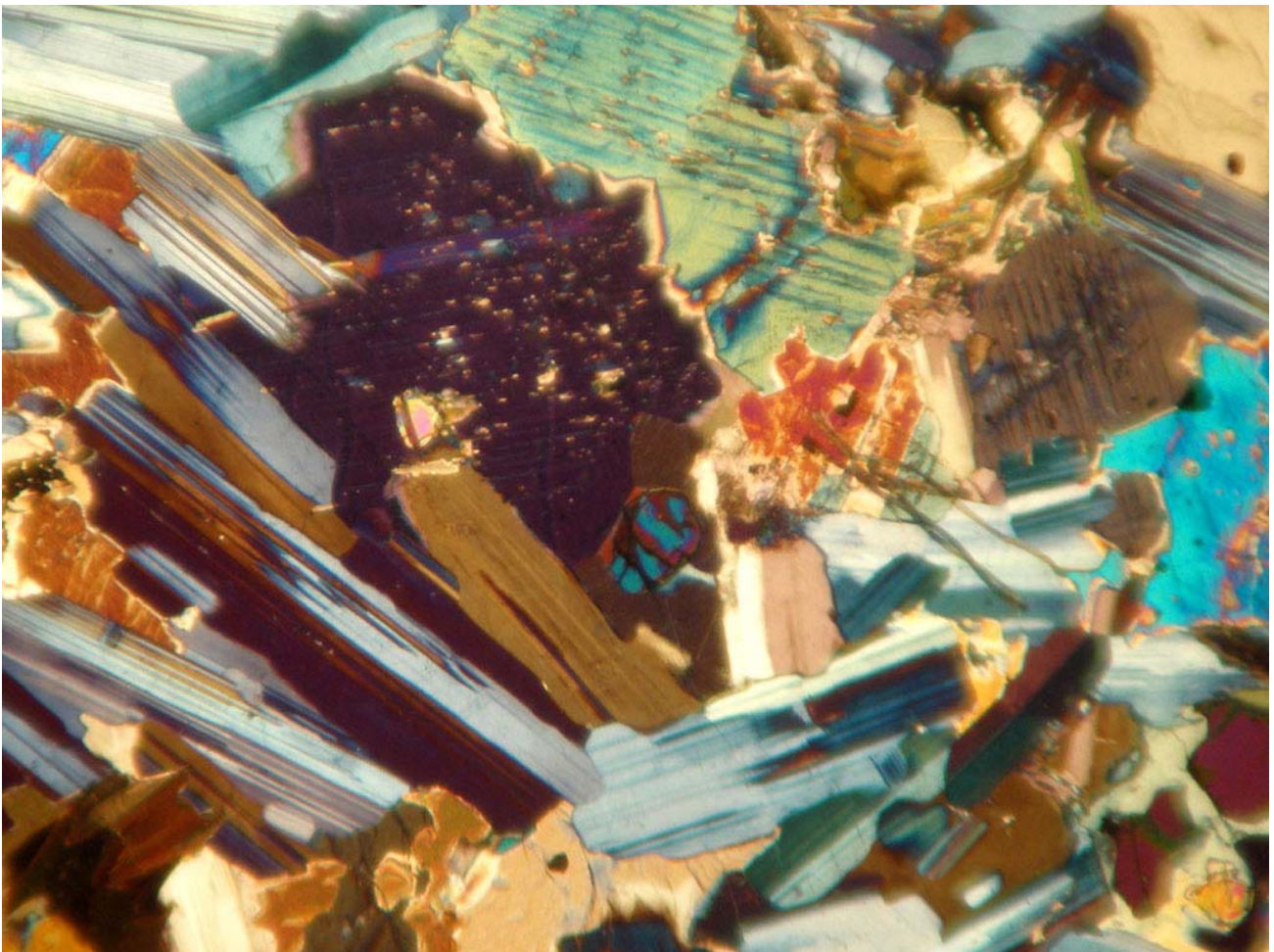
Specification

Item	Specification	BS-5070B	BS-5070BTR
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm	●	●
	Seidentopf Trinocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-75mm, Light Distribution: 20:80	○	○
Eyepiece	WF10×/ 20mm with scale of cross hair	●	●
	WF10×/ 20mm with graticule	●	●
	WF10×/ 20mm	●	●
	WF20×/12mm	○	○
Infinite strain free plan achromatic objective	Objective 4×, 10× for Reflected/Transmitted System	●	●
	Objective 20×, 40×, 60× for Transmitted System	●	●
	Objective 20×, 40×, 60× for Reflected System	○	○
Nosepiece	Backward quadruple nosepiece, center adjustable	●	●
Epi-Illumination	12V/50W halogen lamp with iris aperture diaphragm and iris field diaphragm, brightness adjustable		●
Analyzer	Rotatable analyzer with gradation 0°-360°	●	●
Bertrand Lens	Bertrand lens, focus/center adjustable sliding in/out of optical path	●	●
Optical Compensator	λ Slip (first class red), 1/ 4λ Slip, Quartz wedge	●	●
Revolving Round Stage	Diameter Φ160mm, Graduated in 1° increments, Minimum resolution 6' when using vernier scale	●	●
Condenser	NA 0.9 Abbe Condenser with Iris Diaphragm & Filter	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm	●	●
Polarizer	360°Rotatable	●	●
Transmitted Illumination	12V/ 20W Halogen Lamp, Brightness Adjustable	●	●
	12V/ 30W Halogen Lamp, Brightness Adjustable	○	○
Accessories	C- mount 0.4×	○	○
	SLR Camera adapter 2×	○	○
	Mechanical stage moving range 30×40mm	○	○
	Specimen presser	○	○
	Micrometer	●	●
	Color correction filter	●	●
	Blue filter	○	○

Note: ● Standard Outfit, ○ Optional



Sample Image



7. BS-5080 Polarizing Microscope







BS-5080B

Introduction

BS-5080 polarizing microscopes feature a highly robust construction and first class optics designed to provide a long life and excellent quality images. A set of inserts allow viewing of all standard mineral types. The optics is also fully corrected so that changes in the viewing angle from the prism in the head during interocular distance adjustments does not cause any color changes.

Feature

	<p>0°-90° Rotatable Analyzer and when out of optical path, Single Polarizing Observation is Available. With Bertrand, Interferogram of Specimen can be observed clearly. λ Slip, $1/4\lambda$ Slip and Quartz Wedge are Equipped</p>
	<p>Quadruple Nosepiece, Center Adjustable</p>
	<p>Polarizer can be Swung out of Optical Path. 6V/ 20W Halogen Lamp Illumination, Brightness Adjustable</p>
	<p>Trinocular Observing Head is optional</p>

Application

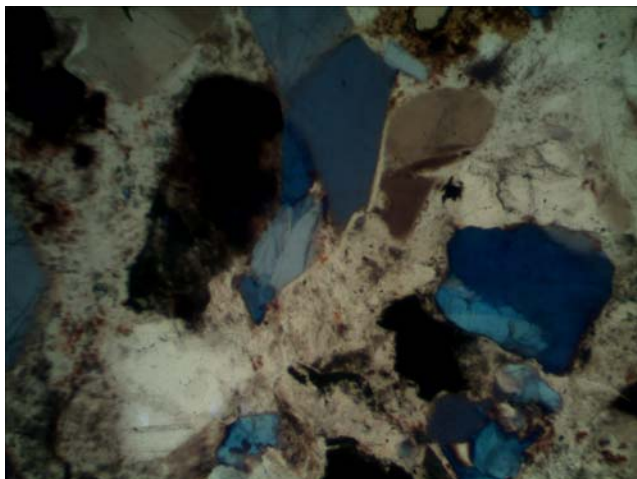
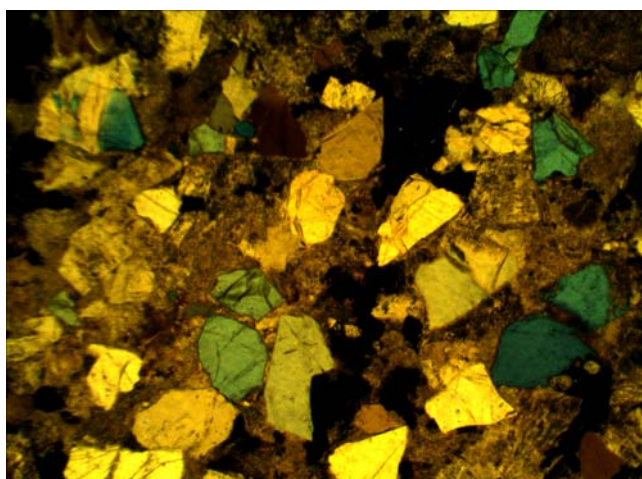
With the features of streamline and stable frame, easy operation and complete functions, polarizing microscope BS-5080 is the best choice for user to observe mineral crystal figure, color and interference color and also exactly identify the optical performance of mineral and other crystal specimen.

Specification

Item	Specification	BS-5080B	BS-5080T
Viewing Head	Seidentopf Binocular Head at 30°, 360° Rotatable	●	
	Seidentopf Trinocular Head at 30°, 360° Rotatable		●
Eyepiece	Eyepiece WF10×/ 18 with Scale of Crosshair	●	●
	Eyepiece WF10×/ 18	●	●
Objective	Strain free Achromatic Objective 4×, 10×, 40×, 60×	●	●
Nosepiece	Backward 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/ 4 λ Slip, Quartz Wedge	●	●
Stage	Revolving Round Stage, Diameter Φ 160mm, Graduated in 1°Increments, Minimum Resolution 6' when using Vernier Scale	●	●
Condenser	NA1.25 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	●	●

Note : ● Standard Outfit, ○ Optional

Sample Images



8. BS-5090 Polarizing Microscope



Introduction

BS-5090 transmission and reflection polarizing microscope is specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. It can be used to analyze and identify various minerals and specimens, it can also be used to inspect chemical fiber, semiconductor products and medicines. Users can do single-polarized observation, orthogonal polarization observation, conoscope observation and photography with the microscope. Gypsum λ specimen, mica $\lambda/4$ specimen, quartz wedge specimen and moving stage, wrenches come with the microscope. This microscope is a set of powerful and good quality polarizing microscope

Feature

1. Trinocular head, digital cameras can be easily used on this microscope for image and video taking.
2. Gypsum λ specimen, mica $\lambda/4$ specimen, quartz wedge specimen are equipped.
3. Reflected illumination makes this microscope powerful for geology, mining, metallurgy, pharmacy and other observation.

Application

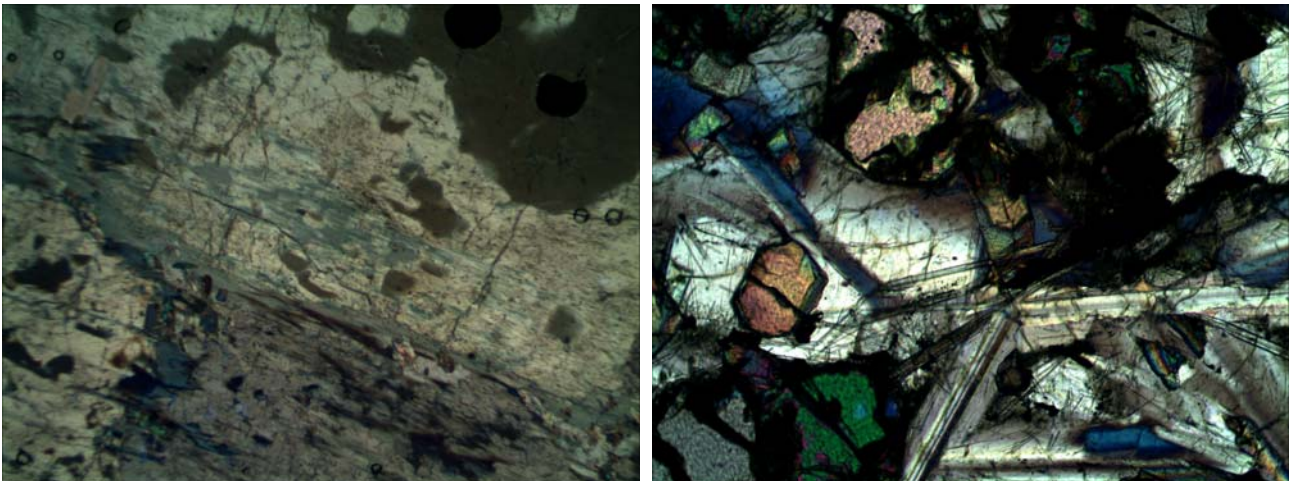
BS-5090 transmission and reflection polarizing microscope is specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production.

Specification

Item	Specification	BS-5090	
Viewing Head	Sliding trinocular viewing head, Inclined at 30°	●	
Eyepiece	Eyepiece WF10×/20	●	
	Eyepiece WF10×/ 20 with graticule	●	
	Eyepiece WF 10×/20 with scale of cross-line	●	
Objective	Strain free achromatic objective 4×, 10×	●	
	Strain free achromatic objective (Transmitted) 25×, 40×, 63×	●	
	Strain free plan achromatic objective (Reflected) 25×, 40×, 63×	●	
	Lamp adjustment objective	○	
Nosepiece	Backward 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/ 4 λ Slip, Quartz Wedge	●	
Stage	Revolving Round Stage, Diameter Φ 160mm, Graduated in 1°Increments, Minimum resolution 6' when using vernier scale	●	
Condenser	NA1.25 Abbe condenser with iris diaphragm & filter	●	
Focusing	Coaxial coarse & fine adjustment, Range 28mm, Fine division 0.002mm	●	
Polarizer	360° Rotatable, Located on the top of collector	●	
Illumination	12V/ 20W Halogen lamp, Brightness adjustable (Transmitted illumination)	●	
	12V/ 50W Halogen lamp, Brightness adjustable (Reflected illumination)	●	
Accessories	C Mount	0.5× C-mount	●
		1× C-mount	○
	Mechanical stage, Moving rang 30X40mm	○	
	Specimen presser	○	
	Micrometer	●	

Note : ● Standard Outfit, ○ Optional

Sample Image



9. BS-5092 Polarizing Microscope



BS-5092

Introduction

BS-5092 polarizing microscope is specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. It can be used to analyze and identify various minerals and specimens, it can also be used to inspect chemical fiber, semiconductor products and medicines. Users can do single-polarized observation, orthogonal polarization observation, conoscopic observation and photography with the microscope. Gypsum λ plate, mica $\lambda/4$ plate, quartz wedge plate and moving stage, wrenches come with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

Feature

1. Trinocular head, digital cameras can be easily used on this microscope for image and video taking.
2. Supply high quality and contrast image with special strain free objectives.
3. Can be used for single polarization, orthogonal polarization and conoscopic observation.
4. Transmitted illumination, 24V/100W long life halogen lamp.
5. Stage with 45° located, attachable mechanical stage with large moving range, no interference when change objectives.
6. Gypsum λ plate, mica $\lambda/4$ plate, quartz wedge plate are equipped.

Application

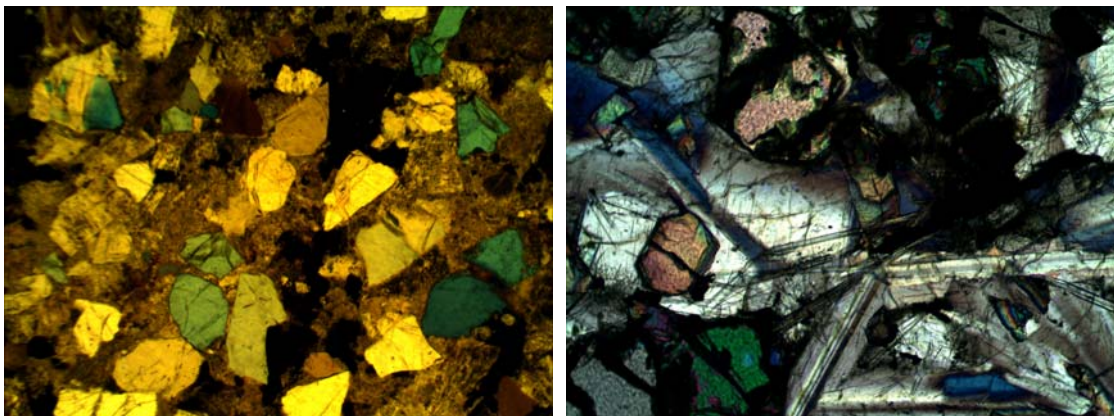
BS-5092 polarizing microscope can be used for geology, petroleum, chemicals, mining, metallurgy, pharmacy, polymer, LED and other field. It can be used for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production.

Specification

Item	Specification	BS-5092
Optical System	Infinite Optical System	●
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpupillary 48-75mm	●
Eyepiece	Plan Eyepiece EW10×/22	●
	Plan eyepiece with scale of crosshair / crosshair / gridding	●
Strain-Free Plan Achromatic Objective	4×/0.10/∞/-, WD 17.3mm	●
	10×/0.25/∞/0.17, WD 10.0mm	●
	20×/0.4/∞/0.17, WD 5.10mm	○
	40×/0.65/∞/0.17, WD 0.54mm	●
	100×/1.25/∞/0.17, WD 0.13mm	●
Nosepiece	Backward quintuple nosepiece, Center adjustable	●
Analyzer	0°-360° rotatable analyzer with gradation, minimum gradation: 0.1°	●
Conoscopic Observation	Switch between orthoscopic and conoscopic observation, Bertrand lens position adjustable	●
Optical Compensator	λ plate (first class red), 1/4λ plate, quartz wedge plate	●
Polarizing Rotatable Stage	Diameter Φ170mm, center adjustable, 360° scale, minimum division 1°, minimum reading vernier scale 6', 45° click stop knob	●
Attachable Stage	Moving range 30mm×40mm	○
Condenser	Strain free swing out condenser NA0.9/0.25	●
Focusing	Coaxial coarse & fine adjustment, range 32mm, fine division 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm per rotation	●
Polarizer	360° Rotatable, 0° position adjustable	●
Illumination	Transmitted light: 24V/100W Halogen lamp, brightness adjustable	●
Filter	Blue filter Φ45mm	●
	ND6 Neutral density filter Φ45mm	○
	ND25 Neutral density filter Φ45mm	○
Attachment	Video attachment	○
	0.01mm micrometer	○

Note : ● Standard Outfit, ○ Optional

Sample Image



10. BS-5092RF/TRF Polarizing Microscope



BS-5092TRF

Introduction

BS-5092 series transmitted and (or) reflected polarizing microscopes are specifically designed for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production. They can be used to analyze and identify various minerals and specimens, they can also be used to inspect chemical fiber, semiconductor products and medicines. Users can do single-polarized observation, orthogonal polarization observation, conoscopic observation and photography with the microscope. Gypsum λ plate, mica $\lambda/4$ plate, quartz wedge plate and moving stage, wrenches come with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

Feature

1. Trinocular head, digital cameras can be easily used on this microscope for image and video taking.
2. Supply high quality and contrast image with special strain free objectives.
3. Can be used for single polarization, orthogonal polarization and conoscopic observation.
4. Transmitted and (or) reflected illumination, 24V/100W long life halogen lamp.
5. Stage with 45° located, attachable mechanical stage with large moving range, no interference when change objectives.
6. Gypsum λ plate, mica $\lambda/4$ plate, quartz wedge plate are equipped.
7. High quality professional polarizing microscope for geology, petroleum, chemicals, mining, metallurgy, pharmacy, polymer, LED and other field.

Application

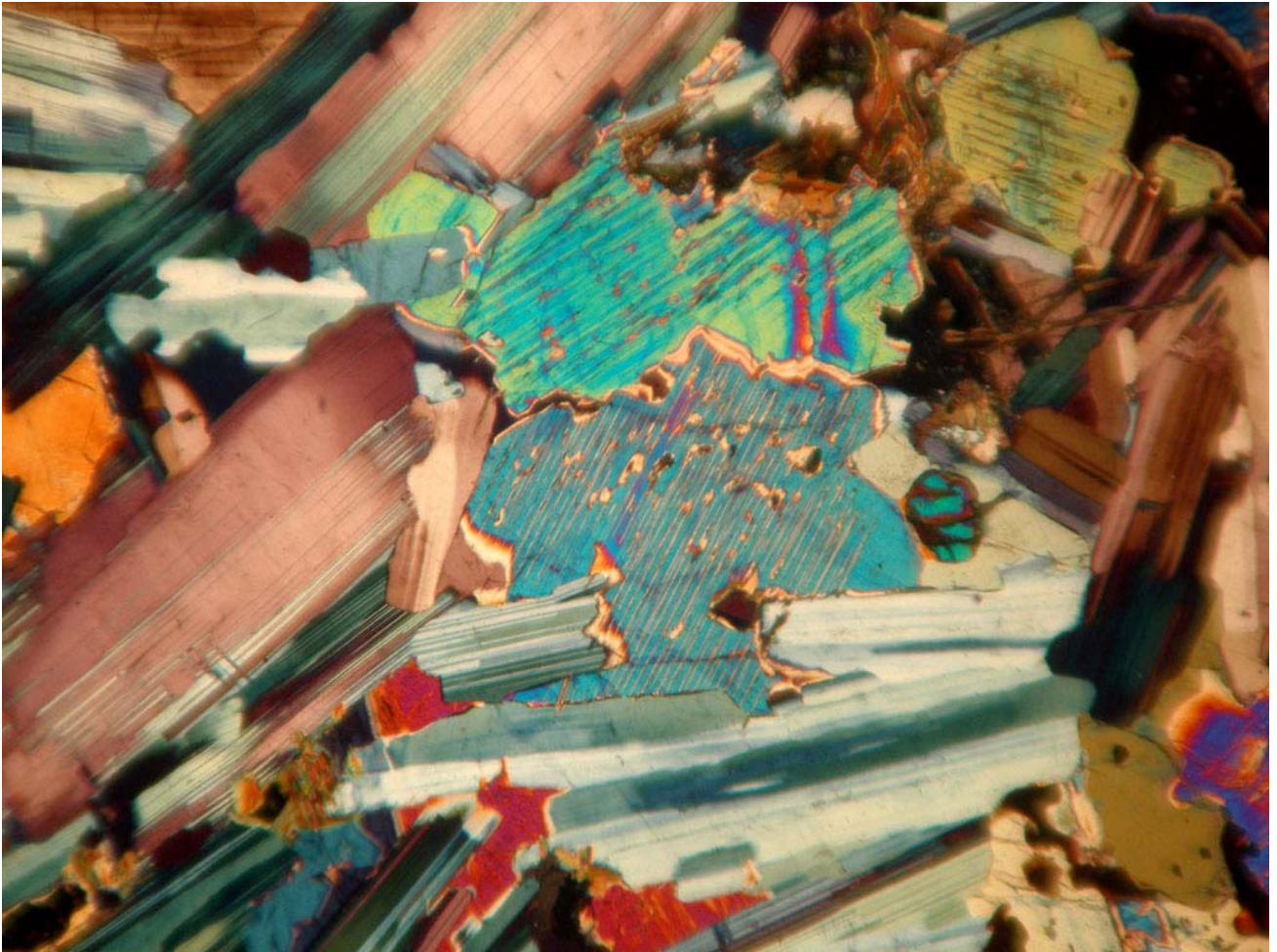
BS-5092 series transmitted and (or) reflected polarizing microscopes can be used for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production.

Specification

Model		BS-5092RF	BS-5092TRF
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpupillary 48-75mm	●	●
Eyepiece	Plan Eyepiece EW10×/22	●	●
	Plan eyepiece with scale of crosshair, Plan eyepiece with crosshair, Plan eyepiece with gridding	●	●
Strain-Free Plan Achromatic Objective	5×/0.12/∞/-, WD 15.5mm	●	●
	10×/0.25/∞/-, WD 10.0mm	●	●
	20×/0.4/∞/0, WD 5.8mm	●	●
Objective	50×/0.75/∞/0, WD 0.32mm	●	●
	100×/0.8/∞/0, WD 2mm	●	●
	40×/0.65/∞/0.17, WD 0.54mm		●
	100×/1.25/∞/0.17, WD 0.13mm		●
Nosepiece	Backward quintuple nosepiece, Center adjustable	●	●
Analyzer	0°-360° rotatable analyzer with gradation, minimum gradation: 0.1°	●	●
Conoscopic Observation Attachment	Switch between orthoscopic and conoscopic observation, Bertrand lens position adjustable	●	●
Optical Compensator	λ plate (first class red), 1/ 4λ plate, quartz wedge plate	●	●
Polarizing Rotatable Stage	Diameter Φ170mm, center adjustable, 360° scale, minimum division 1°, minimum reading vernier scale 6', 45° click stop knob	●	●
Attachable Stage	Moving range 30mm×40mm	○	○
Condenser	Strain free swing out condenser NA0.9/0.25		●
Focusing	Coaxial coarse & fine adjustment, range 32mm, fine division 0.001mm, coarse stroke 37.7mm per rotation, fine stroke 0.1mm per rotation	●	●
Polarizer	Transmitted: 360° Rotatable, 0° position adjustable		●
	Reflected: Fixed	●	●
Illumination	Reflected light: 24V/100W Halogen lamp, brightness adjustable	●	●
	Transmitted light: 24V/100W Halogen lamp, brightness adjustable		●
Filter	Blue filter Φ45mm		●
	ND6 Neutral density filter Φ45mm		○
	ND25 Neutral density filter Φ45mm		○
	Blue filter Φ25mm	○	○
	ND6 Neutral density filter Φ25mm	○	○
	ND25 Neutral density filter Φ25mm	○	○
Attachment	Video attachment	○	○
	0.01mm micrometer	○	○

Note: ●Standard parts ○Optional parts

Sample Image



BS-6000 Series Metallurgical Microscope

1. BS-6000A Metallurgical Microscope



Introduction

BS-6000A Metallurgical Microscopes are very professional microscopes which are specially designed for metallurgical analysis. With excellent optical system, Ingenious stand and convenient operation, they will be your best choice.

Feature

1. Excellent infinite optical system. High magnification objective with long working distance (up to 3.7mm for 40X objective).
2. Comfortable operation with low position focus knob.
3. Triangle stand structure make it much steadier and less working space occupation.
4. Easy, safe and reliable lamp replacement device.

Application

BS-6000A Metallurgical Microscope is widely used for PCB board, LCD display and metal structure observation and inspection. It also can be used for analysis of mineral stones.

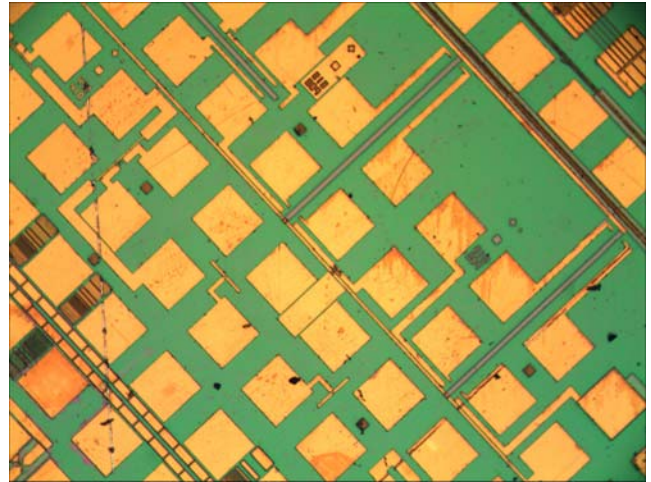
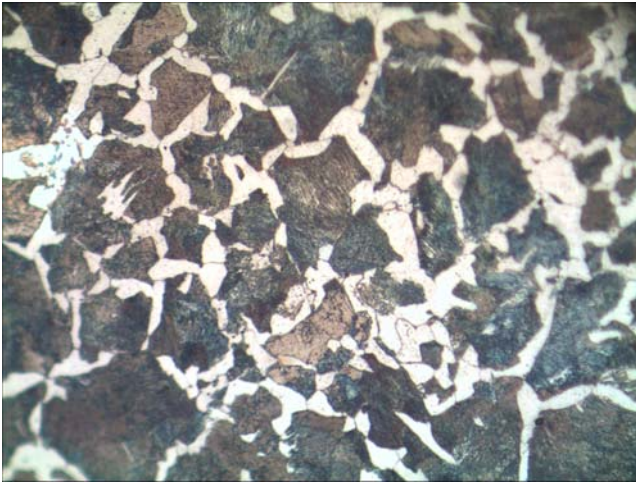
Specification

Item	Specification	BS-6000A	BS-6000AT
Viewing Head	Seidentopf type binocular head, inclined at 30°, 360° rotatable, interpupillary distance 48-75mm	•	

	Seidentopf type trinocular head, inclined at 30°, 360° rotatable, interpupillary distance 48-75mm, Light distribution: 20:80		●
Eyepiece	WF10×/18mm	●	●
	WF8×/18mm	○	○
	WF10×/18mm with 0.1mm Micrometer & cross hair	○	○
	WF12.5×/15mm	○	○
Infinite Plan Achromatic Objectives	4×/0.1/∞/- WD 17.3mm	●	●
	5×/0.12/∞/- WD 15.5mm	○	○
	10×/0.25/∞/- WD 10.0mm	●	●
	20×/0.40/∞/0 WD 5.8mm	○	○
	40×/0.60/∞/0 WD 2.9mm	●	●
	40×/0.65/∞/0 WD 0.52mm	○	○
	50×/0.75/∞/0 WD 0.32mm	○	○
	80×/0.90/∞/0 WD 0.2mm	○	○
100×/0.80/∞/0 WD 2mm	○	○	
Nosepiece	Quadruple Nosepiece	●	●
Stage	Double layer mechanical stage 150×140mm, moving range 75×50mm	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Range 20mm	●	●
Illumination	Kohler Illumination, Epi-illuminator with iris aperture diaphragm and iris field diaphragm, 6V/20W Halogen lamp, Brightness adjustable	●	●
	Transmitted Illumination, 6V/20W Halogen Lamp, Brightness Adjustable	○	○
Filters	Blue, Green, Yellow & Frosted filters	●	●
Polarization Set	Polarizer and Analyzer	○	○
Specimen Presser	For metallurgical specimen preparation	○	○
Photo Adapter	Used to connect DSLR camera to the microscope	○	○
Video Adapter	1×, 0.5× C-mount adapter	○	○

Note: ●Standard parts, ○Optional parts

Sample Image



2. BS-6000B Inverted Metallurgical Microscope



Introduction

BS-6000B not only can identify and analyze a variety of metals, alloys, non-metallic material and the

organizational structure and integrated circuits, but also micro-particles, wires, fibers, surface coating such as some of the surface conditions. Digital cameras can be added to the trinocular tube to take images and make image analysis.

Features

1. Infinite optical system provides excellent optical functions.
2. With the stable stand structure, advanced stage design and comfortable operation.

Application

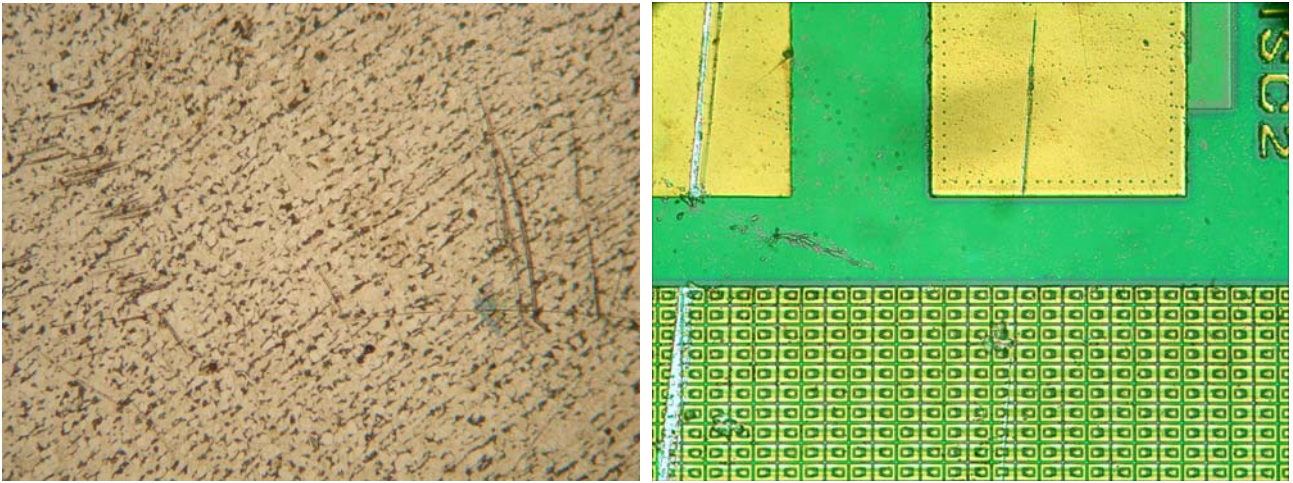
BS-6000B is widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

Specification

Item	Specification	BS-6000B
Optical System	Infinite Optical System	●
Viewing Head	Trinocular head inclined at 30°, interpupillary distance 48-75mm	●
Eyepiece	High-point, extra wide field eyepiece EW10×/ 20mm	●
Infinite Plan Achromatic Objective	4×/ 0.1/∞/- WD 17.3mm	●
	5×/0.12/∞/- WD 15.4mm	○
	10×/0.25/∞/- WD 10.0mm	●
	20×/0.40/∞/0 WD 5.8mm	●
	40×/0.65/∞/0 WD 0.52mm	●
	40×/0.60/∞/0 WD 2.9mm	○
	50×/0.75/∞/0 WD 0.32mm	○
	80×/0.90/∞/0 WD 0.2mm	○
	100×/0.80/∞/0 WD 2mm	○
Nosepiece	Quintuple nosepiece	●
Stage	Plain stage with slide clips	●
	Attachable mechanical stage, X-Y coaxial control, moving range 120×78mm	○
	Double layer mechanical stage 226×178mm, Moving range 50×50mm	○
	Auxiliary stage	○
Focusing	Coaxial coarse & fine adjustment, Vertical objective movement, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation	●
Kohler Illumination	Halogen lamp 6V/ 30W, Kohler illumination	●
Filter	Blue, Yellow, Green and Frosted filters	●
Polarization Attachment	Polarizer and Analyzer	●
Specimen Presser	For metallurgical specimen preparation	
Photo Adapter	Used to connect DSLR camera to the microscope	○
Video Adapter	1×, 0.5× C-mount adapter	○

Note: ●Standard parts ○Optional parts

Sample Images



3. BS-6002R/TR Metallurgical Microscope



BS-6002TR



BS-6002TTR



Reflected Illumination

Introduction

BS-6002R/TR Series metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. With excellent optical system, ingenious stand and convenient operation, they will be your best choice.

Features

1. Infinite optical system provide excellent resolution and definition.
2. Infinite long working distance objective, provide wide space for specimens.
3. Powerful transmitted and reflected system with Kohler illumination.
4. Polarizing attachment and other accessories are available.

Application

BS-6002R/TR series metallurgical microscopes are widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, they also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

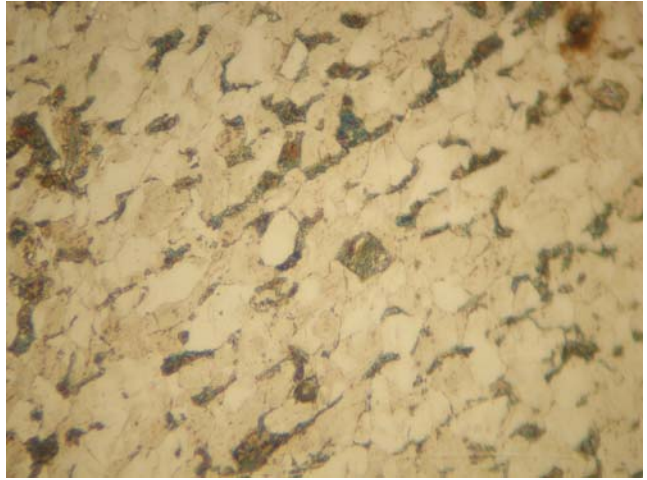
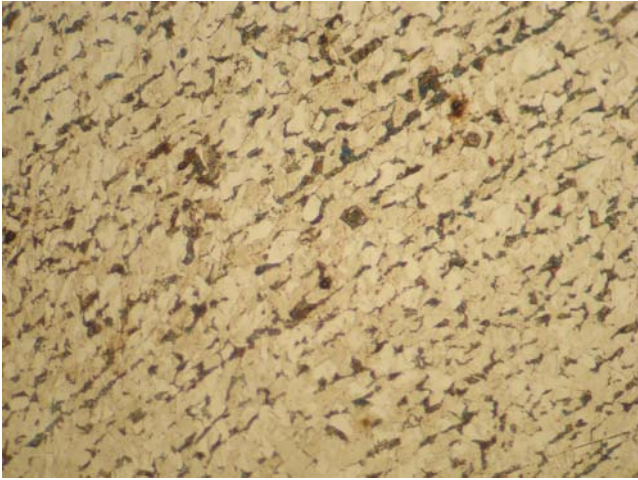
Specification

Item	Specification	BS-6002 BR	BS-6002 BTR
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm	●	●
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 50-75mm, Light Distribution: 0:100	○	○
Eyepieces	WF10×/18mm	●	●
	WF10×/18 mm (Reticule 0.1mm)	●	●
	WF5×/19mm	○	○
	WF12.5×/14mm	○	○

Infinite Plan Objective (no cover glass)	5×/0.1	W.D=6.73mm	●	●
	10×/0.25	W.D=4.19mm	●	●
	20×/0.4(S)	W.D=2.14mm	●	●
	40×/0.65 (S)	W.D=0.45mm	○	○
	100×/1.25 (Oil) (S)	W.D=0.12mm		●
Long Working Distance Infinite Plan Objective (no cover glass)	20×/0.4 (S)	W.D=8.35mm	○	○
	40×/0.65 (S)	W.D=3.90mm	●	●
	50×/0.7 (S)	W.D=1.95mm	○	○
	80×/0.80 (S)	W.D=0.85mm	○	○
Nosepiece	Backward Quintuple Nosepiece		●	●
Mechanical Stage	Mechanical Stage For Reflected Illumination, Stage Size: 190×140mm, Travel: 78mm×55mm		●	
	Mechanical Stage For Transmitted Illumination, Stage Size: 190×140mm, Travel: 78mm×55mm			●
Focus	Coaxial Coarse and Fine Focusing, Fine Division 0.002mm, Fine Stroke 0.2mm per Rotation, Moving Range 25mm			
Stage Plate	Place The Sample on The Plate		●	●
Slide Clip				●
Glass Plate				○
Micrometer	Stage Micrometer 0.01mm		○	○
Polarizing Unit	Polarizing /Analyzer Slide		●	●
Condenser	Abbe N.A. 1.25(Iris Diaphragm)			●
Illumination	12V/50W Halogen Lamp (Reflected Illumination)		●	●
	6V/20W Halogen Lamp (Transmitted Illumination)		○	●
	6V/30W Halogen Lamp (Transmitted Illumination)		○	○
Field Diaphragm				●
Filter	Blue		○	●
	Green		○	○
	Yellow		○	○
C-mount Adapter	1× C-mount		○	○
	0.5× (Focus Adjustable) C-mount		○	○

Note: ●Standard Outfit, ○Optional

Sample Image



4. BS-6010R/TR Metallurgical Microscope



BS-6010BR



BS-6010BTR

Introduction

BS-6010R/TR Metallurgical Microscopes are high level metallurgical microscopes with Reflected / Transmitted & Reflected illumination system, they not only can be used to identify and analyze a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also can be applied to micro-particles, wires, fibers, surface coating such as some of the surface conditions. Digital cameras can be added to the trinocular tube to take images and make image analysis.

Feature

1. Infinite optical system provides excellent optical functions.
2. Laboratory metallurgical microscope, including bright field, dark field, polarization and DIC observation system.
3. Powerful transmitted and reflected system with Kohler illumination.
4. Ideal instrument for industry inspection and science research.

Application

BS-6010R/TR is widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

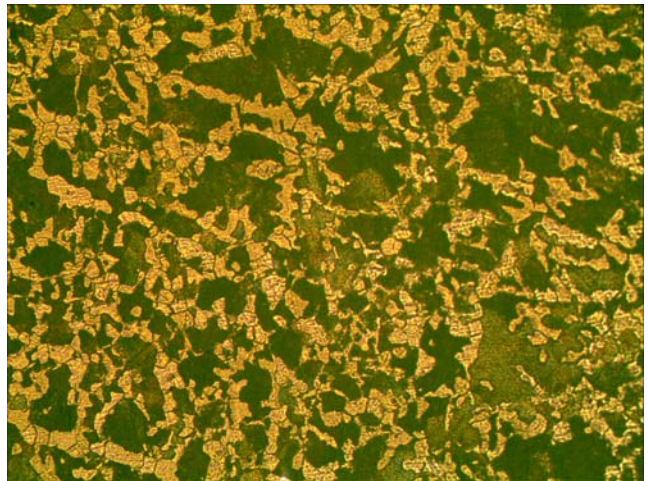
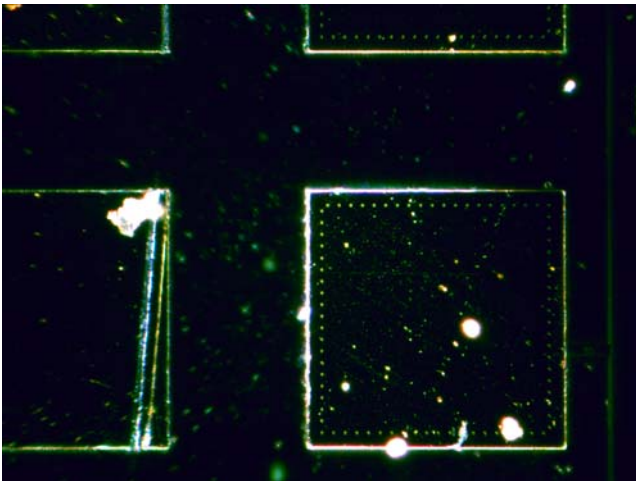
Specification

Item	Specification	BS-6010BR	BS-6010BTR
Optical System	Infinite Optical System	•	•
Viewing Head	Siedentopf binocular viewing head, inclined at 30°, interpupillary distance 48-75mm	•	•

	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48-75mm	○	○
Extra Wide Field Eyepiece	WF10×/22	●	●
	WF10×/22 Eyepiece with scale of cross hair	●	●
	EW15×/16	○	○
	EW20×/12	○	○
Infinite Plan Achromatic Objective	5×/0.12/∞/- (BF/DF) LWD 10mm	●	●
	10×/0.25/∞/- (BF/DF) LWD 10mm	●	●
	20×/0.40/∞/0 (BF/DF) LWD 5.0mm	●	●
	50×/0.75/∞/0 (BF/DF) LWD 1.3mm	●	●
	100×/0.90(Dry)/∞/0 (BF) LWD 0.7mm	●	●
	40×/0.65/∞/0.17 (BF) WD 0.6mm		●
	100×/1.25/∞/0.17 (BF) WD 0.16mm		●
Nosepiece	Backward quintuple nosepiece	●	●
Stage	Double layer mechanical stage 216×150mm, Moving range 78×54mm		●
	Double layer mechanical stage 188×148mm, Moving range 78×54mm	●	
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, moving range 30mm	●	●
Kohler Illumination	Reflected 12V/50W Halogen light, Center and brightness adjustable	●	●
	Transmitted 12V/20W Halogen light, Center and brightness adjustable		●
	Polarizer and analyzer	●	●
	DIC attachment	○	○
	Green, Gray and Frosted filter	●	●
Accessories	Specimen Presser	○	○
	Photo Adapter(Used to connect DSLR camera to the microscope)	○	○
	0.5× Video adapter with C mount	●	●
	Stage Micrometer 0.01mm	●	●

Note: ●Standard parts ○Optional parts

Sample Images



5. BS-6020RF/TRF Laboratory Metallurgical Microscope



BS-6020TRF

Introduction

BS-6020RF/TRF metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. With excellent optical system, ingenious stand and convenient operation, they will be your best choice.

Feature

1. Laboratory metallurgical microscope, including bright field, dark field and polarization observation system.
2. Powerful transmitted and reflected system with Kohler illumination.
3. Ideal instrument for metallurgical analysis, industry inspection and science research.

Application

BS-6020RF/TRF are widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, they also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

Specification

Item	Specification	BS-6020RF	BS-6020TRF
Optical System	Infinite optical system	●	●
Viewing Head	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48mm-75mm	●	●
Eyepiece	Extral wide field eyepiece EW10×/22, eyepiece tube Φ30mm	●	●
Infinite Plan Achromatic Objective	5×/ 0.12/∞/ - (BF) WD 15.5mm	●	●
	10×/ 0.25/∞/ - (BF/DF) WD 10.0mm	●	●
	20×/ 0.4/∞/ 0 (BF/DF) WD 4.3mm	●	●
	50×/ 0.75/∞/ 0 (BF) WD 0.32mm	●	●
	100×/ 0.8/∞/ 0 (BF) WD 2mm	●	●
	40×/ 0.65/∞/ 0.17 WD 0.54mm		●
	100×/ 1.25/∞/ 0.17 WD 0.13mm		●
	5×/ 0.12/∞/ - (BF/DF) WD 12mm	○	○
40×/ 0.6/∞/ 0 (BF/DF) WD 2.9mm	○	○	
50×/ 0.75/∞/ 0 (BF/DF) WD 0.32mm	○	○	
100×/ 0.8/∞/ 0 (BF/DF) WD 2mm	○	○	
Maximum Sample Height	30mm		●
	50mm	●	
Reflected Light	24V/100W Halogen light, Brightness adjustable	●	●
	Kohler illumination and aspherical condenser	●	●
	Polarizer and analyzer	○	○
	An integrate device for polarizer and analyzer	○	○
	Blue, Green, Yellow and Frosted filter	●	●
Transmitted Light	Swing-out condenser NA0.9/ 0.25		●
	24V/100W Halogen light and aspherical condenser		●
	Blue filter		●
Filter	ND25, ND6	○	○
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	●	●
Nosepiece	Backward quintuple nosepiece	●	●
Stage	Double layer mechanical stage(without hole) 186×138mm/ 74mm×50mm	●	
	Double layer mechanical stage 186×138mm/ 74mm×50mm		●
	Glass specimen preparation plate	○	○
	Specimen preparation plate		●
	Slide glass		●
Accessories	Specimen Presser	○	○
	Photo Attachment	○	○
	Video Attachment, C Mount 1×, 0.5×	○	○

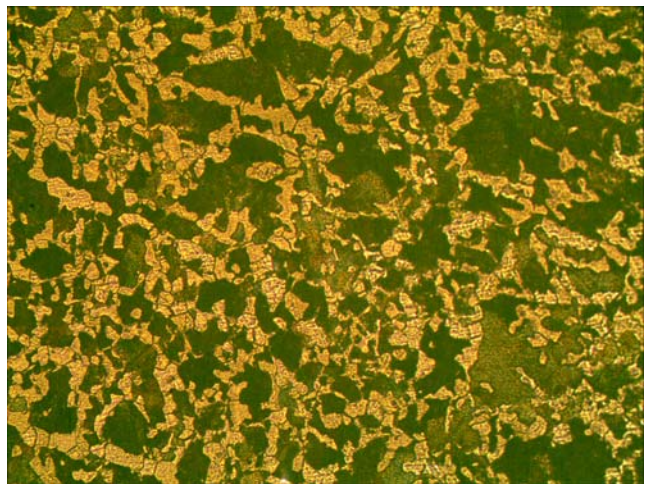
Note: ●Standard Outfit, ○Optional

Accessory



Specimen Presser

Sample Image



6. BS-6022RF/TRF Laboratory Metallurgical Microscope



BS-6022TRF

Introduction

BS-6022RF/TRF metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. With excellent optical system, ingenious stand and convenient operation, they will be your best choice. DIC observation attachment is optional for these microscopes to meet some special requirements.

Features

1. Laboratory metallurgical microscope, including bright field, dark field and polarization observation system, DIC attachment is also optional.
2. Powerful transmitted and reflected system with Kohler illumination.
3. Ideal instrument for metallurgical analysis, industry inspection and science research.

Application

BS-6022RF/TRF are widely used in institutes and laboratories to observe and identify the structure of various metal and alloy, they also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

Specification

Item	Specification	BS-6022RF	BS-6022TRF
Optical System	Infinite optical system	●	●
Viewing Head	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48mm-75mm	●	●
Eyepiece	Extral wide field eyepiece EW10×/22, eyepiece tube Φ30mm	●	●
Infinite Plan Achromatic Objective	5×/ 0.12/∞/ - (BF/DF) WD 12mm	●	●
	10×/ 0.25/∞/ - (BF/DF) WD 10.0mm	●	●
	20×/ 0.4/∞/ 0 (BF/DF) WD 4.3mm	●	●
	40×/ 0.65/∞/ 0.17 WD 0.54mm		●
	100×/ 1.25/∞/ 0.17 WD 0.13mm		●
	40×/ 0.6/∞/ 0 (BF/DF) WD 2.9mm	○	○
	50×/ 0.75/∞/ 0 (BF/DF) WD 0.32mm	●	●
	100×/ 0.8/∞/ 0 (BF/DF) WD 2mm	●	●
DIC	20×, 100×	○	○
Maximum Sample Height	30mm		●
	50mm	●	
Reflected Light	24V/100W Halogen light, Brightness adjustable	●	●
	Kohler illumination and aspherical condenser	●	●
	Polarizer and analyzer	○	○
	An integrate device for polarizer and analyzer	○	○
	Blue, Green, Yellow and Frosted filter	●	●
Transmitted Light	Swing-out condenser NA0.9/ 0.25		●
	24V/100W Halogen light and aspherical condenser		●
	Blue filter		●
Filter	ND25, ND6	○	○
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	●	●
Nosepiece	Backward quintuple nosepiece	●	●
Stage	Double layer mechanical stage(without hole) 186×138mm/ 74mm×50mm	●	
	Double layer mechanical stage 186×138mm/ 74mm×50mm		●
	Glass specimen preparation plate	○	○
	Specimen preparation plate		●
	Slide glass		●
Accessories	Specimen Presser	○	○
	Photo Attachment	○	○
	Video Attachment, C Mount 1×, 0.5×	○	○
	0.01mm stage micrometer	○	○

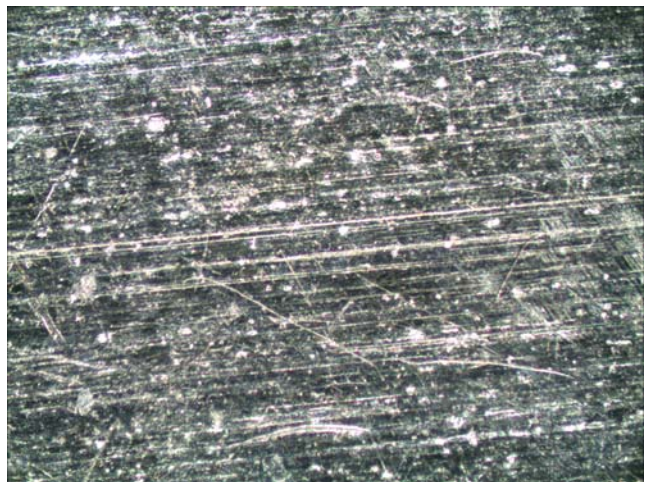
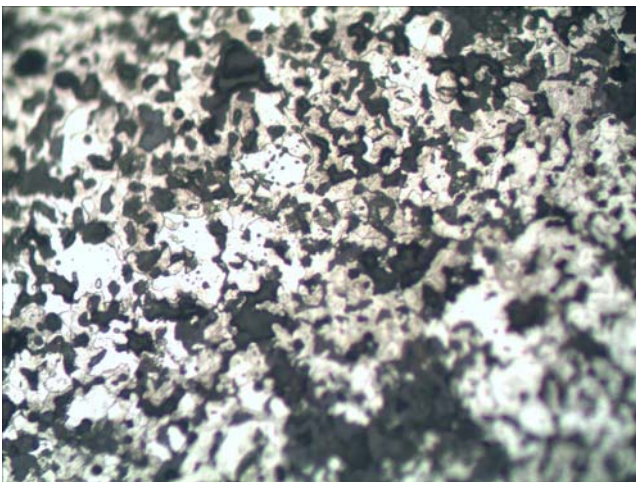
Note: ●Standard Outfit, ○Optional

Accessory



Specimen Presser

Sample Image



7. BS-6020D Automatic Metallurgical Microscope



Introduction

BS-6020DRF/DTRF Motorized Auto-Focus Metallurgical microscopes, which integrate the advantages of microscopes area and auto controlling area, achieve the automation of microscopes in laboratory. With excellent optical and motorized controlling system, ingenious stand and convenient operation, they will be your best choice.

Feature

1. Four motor drive, objective nosepiece, stage and coarse & fine focus adjustment can be controlled manually or motorized.
2. Brightness of halogen lamp is divided in to 100 steps(0-99), which can be controlled by the digital controller.
3. 3.2MP digital camera system, USB2.0 plug and play, real-time preview can be up to 30 frames/sec.
4. Built-in dynamic focusing system, auto-focus without computer.
5. High precision positioning leading screw stage, quickly find the clearest images by auto-focus. Auto slide scanning and recognizing are controlled by the computer.
6. Network remote control system for real-time teaching, sharing, communication and etc.



High precision stage ensures the quality of images



Man-machine integration touch-pad controller



Built-in dynamic focusing system, auto-focus without computer

Application

BS-6020DRF/DTRF can be used in institutes and laboratories to observe and identify the structure of various metal and alloy, they also can be used in electronics, chemical and instrumentation industry to observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

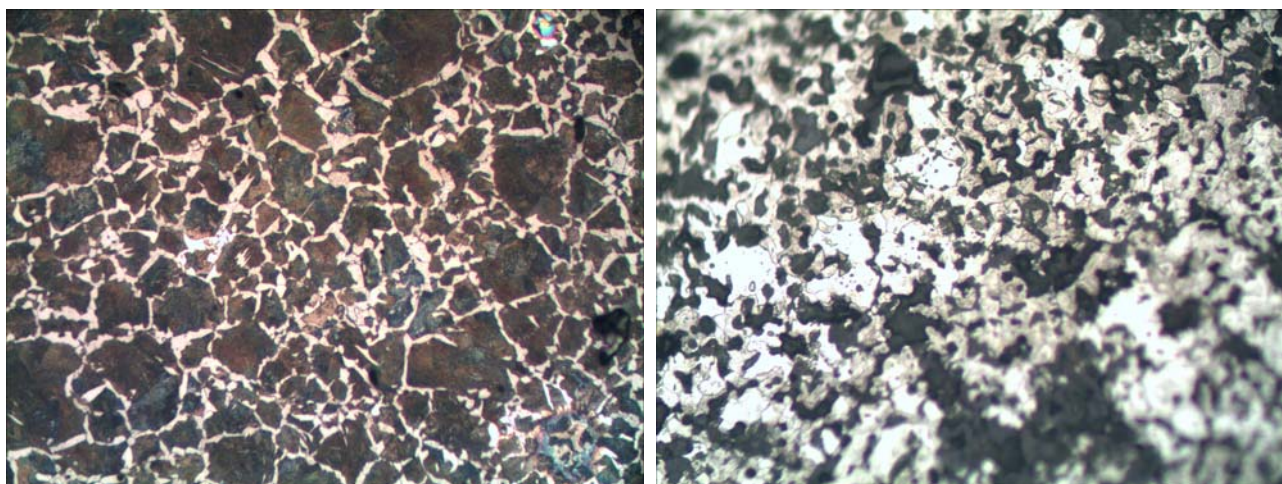
Specification

Item	Specification	BS-6020 DRF	BS-6020 DTRF
Optical System	Infinite optical system	●	●
Viewing Head	Siedentopf trinocular viewing head, inclined at 30°, interpupillary distance 48mm-75mm	●	●
Eyepiece	Extral wide field eyepiece EW10×/22, eyepiece tube Φ30mm	●	●
Camera System	Colorful 3.2 Mega Pixel CMOS Sensor	●	●
	Resolution: 2048×1536	●	●
	Pixel Size: 3.2μm × 3.2μm	●	●
	Maximum frame rate: 2048×1536 12f/s 1600×1200 20f/s 1280×1024 27f/s 1024×768 43f/s	●	●
	Sensitivity: 1.0V/lux-sec(550nm)	●	●
	Exposure: Manual / auto exposure, time adjustable	●	●
	SNR: >43dB	●	●
Nosepiece	Motorized backward quintuple nosepiece	●	●
BF/DF adapter	2pcs BF/DF adapter		●
Infinite Plan Achromatic Objective	5×/ 0.12/∞/ - (BF/DF) WD 12mm	●	●
	10×/ 0.25/∞/ - (BF/DF) WD 10.0mm	●	●
	20×/ 0.4/∞/ 0 (BF/DF) WD 4.3mm	●	●
	50×/ 0.75/∞/ 0 (BF/DF) WD 0.32mm	●	●
	100×/ 0.8/∞/ 0 (BF/DF) WD 2mm	●	●
	40×/ 0.65/∞/ 0.17 WD 0.54mm		●
	100×/ 1.25/∞/ 0.17 WD 0.13mm		●
	40×/ 0.6/∞/ 0 (BF/DF) WD 2.9mm	○	○
Maximum Sample Height	30mm	●	●
Reflected Light	24V/100W Halogen light, Brightness adjustable	●	●
	Kohler illumination and aspherical condenser	●	●
	Polarizer and analyzer	○	○
	An integrate device for polarizer and analyzer	○	○
	Blue, Green, Yellow and Frosted filter	●	●
Transmitted	Swing-out condenser NA0.9/ 0.25		●

Light	24V/100W Halogen light and aspherical condenser		●
	Blue filter		●
Filter	ND25, ND6	○	○
Focusing	Auto focus, fine focus<1μm	●	●
Stage	Leading screw stage, precision<1μm	●	●
	Specimen holder	●	●
	Specimen preparation plate	●	●
	Slide glass	○	●
Hardware	Motorized auto-focus controller	●	●
	USB2.0 cable	●	●
	USB Dog	○	○
	9-PIN Control cable	●	●
	15-PIN Control cable	●	●
	25-PIN Control cable	●	●
	9-PIN Serial Port cable	●	●
	3.5mm auto-focus signal cable	●	●
	Power adapter	●	●
	Computer	○	○
	Motorized Auto-Focus Microscope Controlling Software	●	●
Optional Accessories	Specimen Presser	○	○
	0.01mm Micrometer	○	○
	Photo Attachment	○	○
	Video Attachment, C Mount 1×, 0.5×	○	○

Note: ●Standard Outfit, ○Optional

Sample Image



8. BS-6030 Inverted Metallurgical Microscope



Introduction

BS-6030 Inverted Metallurgical Microscope is a research level metallurgical microscope, it can identify and analyze not only a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also micro-particles, wires, fibers, surface coating and so on. Digital cameras can be added to the trinocular tube to take images and make image analysis. DIC observation is optional.

Feature

1. Infinite optical system provides excellent optical functions.
2. DIC observation is optional.
3. Meet most of your requirements by high performance optical system, technological innovation and high stability.

Application

BS-6030 can be used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be widely used in electronics, chemical and instrumentation industry, observe the opaque material and transparent material, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

Specification

Item	Specification	BS-6030
Optical System	Infinite optical system	●
Viewing Head	Siedentopf trinocular head, inclined at 30°, interpupillary distance 48-75mm	●
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 10.0mm	●
	10×/0.25/∞/0 (BF/DF) LWD 10.0mm	●
	20×/0.40/∞/0 (BF/DF) LWD 5.0mm	●
	50×/0.75/∞/0 (BF/DF) LWD 1.3mm	●
	100×/0.90/∞/0 (BF/DF) LWD 0.7mm	●
Nosepiece	Backward quintuple nosepiece	●
Stage	Double layer mechanical stage 226×178mm, Moving range 40mm×40mm	●
	Small stage plate, Φ20mm, Φ30mm,	●
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, move up 1mm, down 7mm	●
Kohler Reflected Illumination	12V/50W Halogen lamp, center and brightness adjustable	●
	Polarizer and analyzer	●
	DIC	○
	Built-in Green, Blue, Yellow, Gray and Frosted filters	●
Optional Accessories	Photo Adapter(Used to connect Nikon/Canon DSLR camera to the microscope)	○
	0.5× C-mount Video Adapter	●
	Micrometer scale 0.01mm	●

Note: ●Standard parts ○Optional parts

9. BS-6040 Inverted Metallurgical Microscope



(The camera is not included in the standard set)

Introduction

BS-6040 Inverted Metallurgical Microscope is a high level research metallurgical microscope. It can identify and analyze not only a variety of metals, alloys, non-metallic material and the organizational structure and integrated circuits, but also micro-particles, wires, fibers, surface coating and so on. Digital cameras can be added to the trinocular tube to take images and make image analysis. DIC observation is optional.

Feature

1. Infinite optical system provides excellent optical functions.
2. DIC observation is optional.
3. Meet most of your requirements by high performance optical system, technological innovation and high stability.

Application

BS-6040 inverted metallurgical microscope is the best choice for material microscopy expert who requires high-performance optical tool. It supplies the best optical performance for material research, quality control, Invalidation Analysis and other challenging applications. It can be used in institutes and laboratories to observe and identify the structure of various metal and alloy, it also can be used in electronics, chemical and instrumentation industry to observe the opaque materials and transparent materials, such as metal, ceramics, integrated circuits, electronic chips, printed circuit boards, LCD panels, film, powder, toner, wire, fibers, plated coatings, and other non-metallic materials and so on.

Specification

Item	Specification	BS-6040
Optical System	Infinite optical system	●
Viewing Head	Siedentopf trinocular head, inclined at 30°, interpupillary distance 48-75mm	●
Extra Wide Field Eyepiece	EW10×/ 20	●
	EW10×/ 20 Eyepiece with scale of cross hair	●
	EW15×/ 16	○
	EW20×/ 12	○
Infinite Plan APO Objective	5×/0.17/∞/0 (BF/DF) LWD 8.6mm	●
	10×/0.28/∞/0 (BF/DF) LWD 3.4mm	●
	20×/0.50/∞/0 (BF/DF) LWD 1.1mm	●
	50×/0.85/∞/0 (BF/DF) LWD 0.5mm	●
	100×/0.95(Dry)/∞/0 (BF) LWD 0.1mm	●
	100×/1.32(Oil)/∞/0 (BF) LWD 0.1mm	○
Nosepiece	Quintuple nosepiece	●
Stage	Double layer mechanical stage 200×190mm, Moving range 40mm×40mm	●
	Small stage plate, Φ16mm, Φ40mm	●
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, move up 1mm, down 12mm	●
Kohler Reflected Illumination	12V/100W Halogen lamp, center and brightness adjustable	●
	Polarizer and analyzer	●
	DIC Attachment	○
	Green, Blue, Yellow, Gray and Frosted filters	●
Optional Accessories	Photo Adapter(Used to connect Nikon/Canon DSLR camera to the microscope)	○
	0.5× C-mount Video Adapter	●
	Micrometer scale 0.01mm	●

Note: ●Standard parts ○Optional parts

BS-7000 Series Laboratory Fluorescent Microscope

1. BS-7000A Upright Fluorescent Biological Microscope



Introduction

BS-7000A fluorescence microscope uses ultraviolet as the light source, objects which are radiated then fluoresce, and then the shape of an object and its location can be observed under the microscope.

Feature

1. Excellent fluorescent image with high resolution fluorescent objectives.
2. Protect the light leak with advanced lamp housing.
3. Perfect image with infinite plan fluorescent objectives.
4. More stable power supply, digital display and timer

Application

BS-7000A Fluorescence microscope is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination and immune diagnosis.

Specification

Item	Specification	BS-7000A
Optical System	Infinite Optical System	•
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary Distance 48-75mm	•
Eyepiece	Extra Wide Field Eyepiece EW10×/22	•

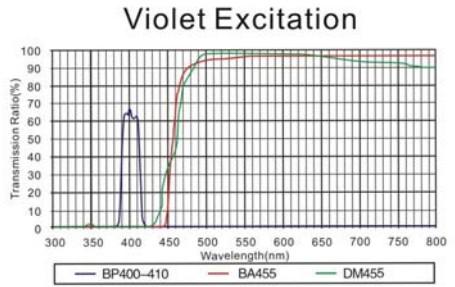
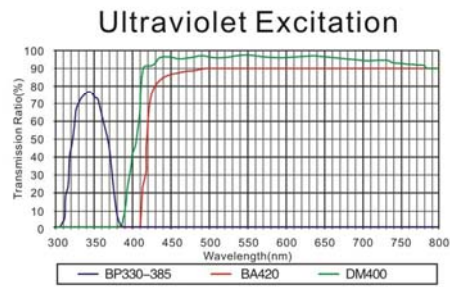
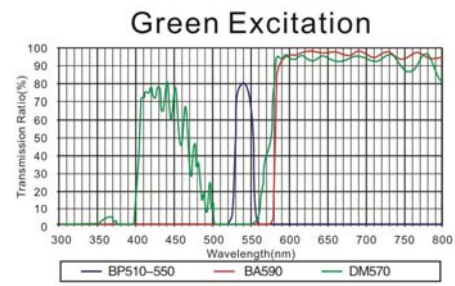
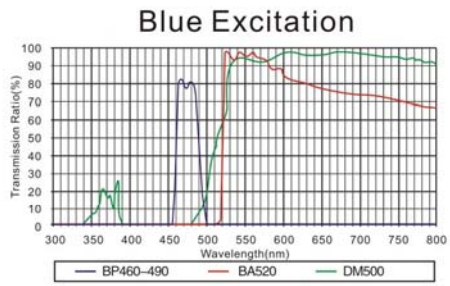
Nosepiece	Backward Quintuple Nosepiece			●	
Objective	Infinite Plan Achromatic Objective	4×		●	
		10×		●	
		20×		○	
		40×		●	
		100×		●	
	Infinite Plan Fluorescent Objective	4×, 10×, 20×, 40×, 100×		○	
Condenser	Swing Condenser NA 0.9/ 0.25			●	
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.001mm			●	
Stage	Double Layers Mechanical Stage 185×142/ 75×55 mm			●	
Photo Adapter	Used to connect Nikon or Canon DLSR camera to the microscope			○	
Video Adapter	1× or 0.5× C-mount			○	
Kohler Illumination	External Illumination, Aspherical Collector, Halogen Lamp6V/ 30W			●	
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue Excitation	BP460~490	DM500	BA520	●
	Blue Excitation(B1)	BP460~495	DM505	BA510-550	○
	Green Excitation	BP510~550	DM570	BA590	●
	Ultraviolet Excitation	BP330~385	DM400	BA420	○
	Violet Excitation	BP400~410	DM455	BA455	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp			●	
Protection barrier	Barrier to Resist the Ultraviolet Light			●	
Power Supplier	Power Supplier NFP-1, 220V/ 110V Interchangeable, Digital Display			●	
Immersion Oil	Fluorescent Free Oil			●	
Filter	Neutral ND25/ ND6 Filter			○	
Centering Target				○	

Note: ●Standard Outfit, ○Optional

Epi-fluorescent Attachment



Characteristics of Mirror Units Wavelength



2. BS-7000B Inverted Fluorescent Biological Microscope



Introduction

BS-7000B Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. Infinite Optical System gives excellent Optical performance. Excellent high resolution fluorescent objectives are optional to generate high quality fluorescent images. This microscope can be your best assistant in laboratory research.

Feature

1. Excellent fluorescent image with high resolution fluorescent objectives.
2. Protect the light leak with advanced lamp housing.
3. Excellent Optical Performance with Infinite Optical System.
4. Innovative Stand structure, Sharp Image Display, Convenient and Special for Viewing Incubating Cell Tissue.
5. More stable power supply, digital display and timer.

Application

BS-7000B Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. It is widely used in disease examination, immune diagnosis and laboratory research.

Specification

Item	Specification	BS-7000B
Optical System	Infinite Optical System	•
Viewing Head	Seidentopf Trinocular Head Inclined at 30°, Interpupillary 48-75mm	•

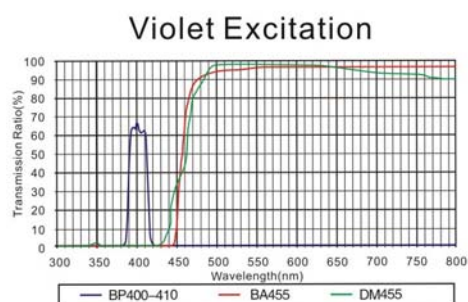
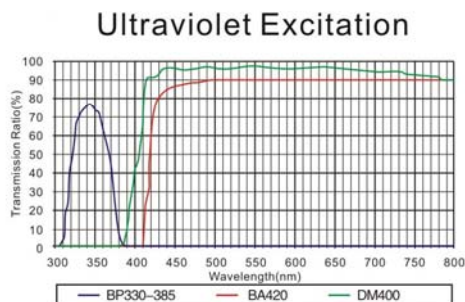
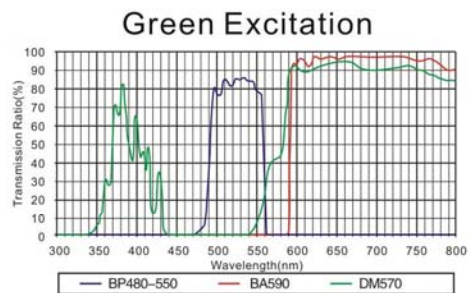
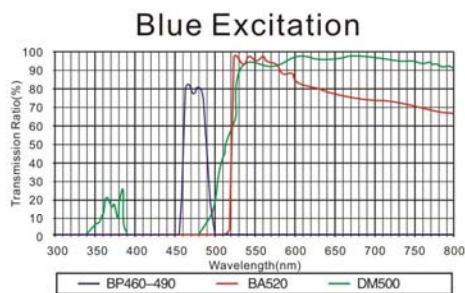
Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22				●
Nosepiece	Quintuple Nosepiece				●
Objective	LWD Infinite Plan Objective	4×/0.1, WD 17.3mm		●	
		10×/0.25, WD 10mm		○	
		20×/0.4, WD 5.1mm		○	
		40×/0.6, WD 2.1mm		●	
	Infinite Plan Phase Objective	PH 10×/0.25, WD 10mm		●	
		PH 20×/0.4, WD 5.1mm		●	
		PH 40×/0.6, WD 2.1mm		○	
	Infinite Plan Fluorescent Objective	4×/0.13, WD 16.3mm		○	
		10×/0.3, WD 12.4mm		○	
		20×/0.4, WD 1.5mm		○	
		40×/0.6, WD 2.2mm		○	
	Condenser	ELWD Condenser NA 0.3, LWD 72mm			
Focusing	Coaxial Coarse and Fine Adjustment, Vertical Objective Movement, Coarse Stroke 37.7mm per rotation, Fine Stroke 0.2mm per rotation				●
Stage	Plain stage 160×250 mm				●
	Glass Insert				●
	Attachable Mechanical Stage, X- Y Coaxial Control, Moving Range 120×78 mm				○
	Auxiliary Stage 70×180mm				●
	Terasaki Holder				○
	φ38mm Petri Dish Holder				○
	φ54mm Slide Glass Holder				○
Illumination	Halogen Lamp6V/ 30W				●
Filter	Blue/ Green and Frosted Glass Filter (Φ45mm)				●
Phase Annulus					●
Telescope	Centering Telescope(Φ30)				○
Photo Attachment	Photo Attachment for SLR Cameras				○
Video Adapter	Video Adapter with C Mount				○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue Excitation	BP460~490	DM500	BA520	●
	Blue Excitation (B1)	BP460~495	DM505	BA510-550	○
	Green Excitation	BP480~550	DM570	BA590	●
	Ultraviolet Excitation	BP330~385	DM400	BA420	○
	Violet Excitation	BP400~410	DM455	BA455	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp				●
Protection barrier	Barrier to Resist the Ultraviolet Light				●
Power Supplier	Power Supplier NFP-1, 220V/ 110V interchangeable, Digital Display				●
Immersion Oil	Fluorescent Free Oil				●
Filter	Neutral ND25/ ND6 Filter				○
Centering Plate					●

Note: ● Standard Outfit, ○ Optional

BS-7000B Inverted Fluorescent Attachments



Characteristics of Mirror Units Wavelength



3. BS-7020 Inverted Fluorescent Biological Microscope



Introduction

BS-7020 inverted fluorescence microscope uses ultraviolet as the light source, objects which are radiated then fluoresce, and then the shape of an object and its location can be observed under the microscope. BS-7020 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. Excellent high resolution fluorescent objectives provide high quality fluorescent images. Infinite Optical System gives excellent Optical performance. This microscope can be your best assistant in laboratory research.

Feature

1. Excellent fluorescent image with high resolution fluorescent objectives.
2. Protect the light leak with advanced lamp housing.
3. Excellent Optical Function with Infinite Optical System.
4. Innovative Stand structure, Sharp Image Display, Convenient and Special for Viewing Incubating Cell Tissue.
5. More stable power supply, digital display and timer.

Application

BS-7020 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. It is widely used in disease examination, immune diagnosis and laboratory research.

Specification

Item	Specification	BS-7020
Optical System	Infinite Optical System	•
Viewing Head	Seidentopf Trinocular Viewing Head, Inclined at 45°, 360° Rotatable, Interpupillary Distance 48-75mm	•
Eyepiece	Wide Field Eyepiece WF10×/ 22, Eyepiece Tube Diameter 30mm	•

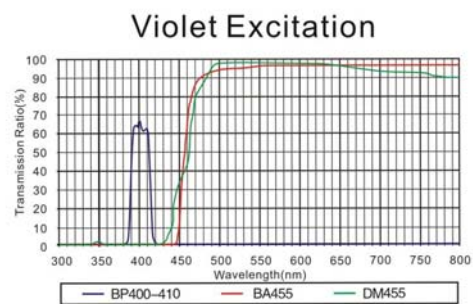
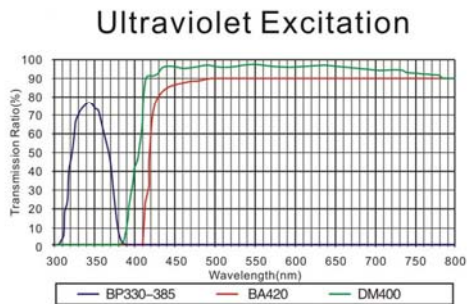
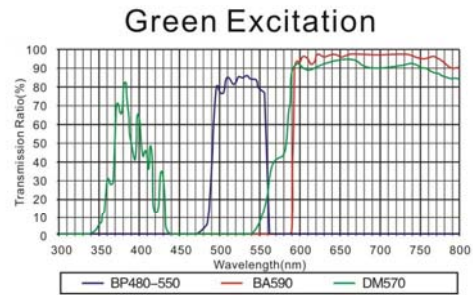
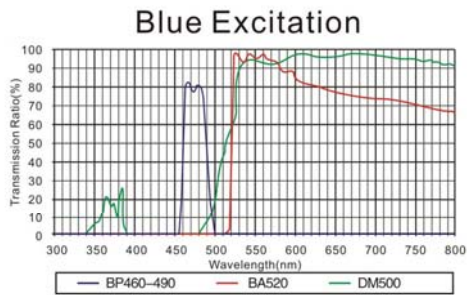
	Wide Field Eyepiece WF15×/ 16			○	
	Wide Field Eyepiece WF20×/ 12			○	
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/0.1,WD 18mm			●	
	LWD(Long Working Distance)	10×/ 0.25, WD 6mm		●	
	Infinite Plan Achromatic Phase	20×/ 0.4, WD 3.1mm		●	
	Objective	40×/ 0.55, WD 2.2mm		●	
	Lamp House Adjustment Objective			○	
Nosepiece	Backward Quintuple Nosepiece			●	
Condenser	ELWD(Extra Long Working Distance) Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)			●	
Telescope	Centering Telescope (Φ30mm)			●	
Phase Annular	10×, 20×, 40× Phase Annular Plate(Center Adjustable)			●	
Stage	Plain Stage 170×230mm			●	
	Glass Insert			●	
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang120mm×80mm			●	
	Auxiliary Stages 70mm×180mm			●	
	Terasaki Holder, Φ38mm Petri Dish Holder, Φ54mm Slide Glass Holder			●	
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm			●	
Illumination	Halogen Lamp 6V/30W, Brightness Adjustable			●	
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter	
	Blue excitation	BP460~490	DM500	BA520	●
	Green excitation	BP480~550	DM570	BA590	●
	Ultraviolet excitation	BP330~385	DM400	BA420	○
	Violet excitation	BP400~410	DM455	BA455	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp			●	
Protection barrier	Barrier to Resist the Ultraviolet Light			●	
Power Supplier	Power Supplier NFP-1, 220V/ 110V interchangeable, Digital Display			●	
Immersion Oil	Fluorescent Free Oil			●	
Centering Plate				●	
Filter	Blue, Green and Ground Glass, Diameter 45mm			●	
Accessories	Photo tube Attachment(used to connect microscope adapter and camera)			○	
	C Mount(Used to directly connect to a digital camera)			○	
Package	2 cartons/set, 36*61*62cm, 18kg; 38*45*26cm, 6kg			●	

Note: ● Standard Outfit, ○ Optional

BS-7020 Inverted Fluorescent Attachments



Characteristics of Mirror Units Wavelength



BS-8000 Series Gemological Microscope

1. BS-8020B&BS-8030B/T Gemological Microscope



BS-8020B



BS-8030B

Introduction

A gemological microscope is the microscope used by jewelers and gem stone experts. Equipped with good illumination, gem clamp and dark field attachment, BS-8020B&BS-8030B gemological microscopes can meet most of the works for gem experts. The most obvious advantage of them is cost effective and affordable. They are especially designed to view precious stone samples and the pieces of jewelry that contain them.

Feature

1. Good quality illumination, come with gem clamp and dark field attachment.
2. Cost effective and affordable gemological microscopes.

Application

BS-8020 and BS-8030 series gemological microscopes are usually used to inspect the authenticity of gemstones and in the design, creation, and repair of jewelry. BS-8020 and BS-8030 series gemological microscopes are precision microscopes that are capable of inspecting diamonds, emeralds, rubies, and all other types of precious stones.

Specification

Item	Specification	BS-8020B	BS-8030B	BS-8030T
Viewing Head	Inclined Binocular head, 360° Rotatable	●	●	
	Inclined Trinocular head, 360° Rotatable			●
Eyepiece	WF10×/20	●	○	
	SWF10×/22		●	●
	WF5×	○	○	○
	WF15×	○	○	○
	WF20×	○	○	○
Objective	1×-4×		●	●
	0.7×~3.6×		○	○
	2×, 4×	●		
	1×, 2×	○		
	1×, 3×	○		
Incident Illumination	Halogen lamp 12V/10W	●	●	●
	Fluorescent 10W	○	●	●
Transmitted Illumination	Halogen lamp 12V/10W	●	●	●
Accessories	High quality Jewel clamp	●	●	●
	Darkfield working stage (with diagram)	●	●	●

Note: ● Standard Outfit, ○ Optional

Optical Parameters

Model	Objective	Working Distance(mm)	Field of View(mm)
BS-8030B & BS-8030T	1×-4×	90.5	22-5.5
	0.7×~3.6×	86	26-5.8
BS-8020B	1×	75	20
	2×	91	91
	3×	69	10
	4×	70	5

2. BS-8040 Gemological Microscope



BS-8040B



BS-8040T

Introduction

A gemological microscope is the microscope used by jewelers and gem stone experts, the gemological microscope is the most important tool in their jobs. BS-8040 gemological microscope is especially designed to view precious stone samples and the pieces of jewelry that contain them. This microscope is equipped with multiple illumination systems to enhance the image of the samples.

Feature

1. Offering crisp sharp and high resolution image with high bright LED point light, dark field illumination and even fluorescent light source. It is a high level professional gemological microscope.
2. Designing with very good idea can greatly improve the working efficiency, it is also easy to operate and makes operators feel more comfortable.

Application

BS-8040 gemological microscope is usually used to inspect the authenticity of gemstones and in the design, creation, and repair of jewelry. It can be used for inspecting diamonds, emeralds, rubies, and all other types of precious stones.

Specification

Item	Specification	BS-8040B	BS-8040T
Stereo Zoom Body	Zoom ratio 0.7×-4.5×, zoom ratio 1:6.5, working distance 95mm	●	●
Eyepiece	Extra wide field eyepiece WF10×/23 with diopter adjustment	●	●
Viewing Head	Binocular head, inclined at 45°, Interpupillary Distance 55-75mm	●	
	Trinocular head, inclined at 45°, Interpupillary Distance 55-75mm		●
Bright & Dark Field Illumination	Iris diaphragm 2mm-41mm, Bright and dark viewing field illumination are adjustable	●	●
Illumination	8W Fluorescent lamp(6000K)	●	●
	LED Point Light	●	●
	6V/20W Halogen illumination, lamp can be changed	●	●
Focusing	Focusing range: 125mm, it is suitable for observing different size gem and sample	●	●
Gem Clamp	High quality steel clamp is perfect to hold the gem for observation from all directions	●	●
Stage	There are 1 gem clamp fixing holds at each side	●	●
Stand	Height and angle of viewing head can be adjusted, easy to operate	●	●
Assistant Objectives	0.75×, working distance 105mm	○	○
	1.5×, working distance 47mm	○	○
	2×, working distance 33mm	○	○

Note: ● Standard Outfit, ○ Optional

3. BS-8060 Gemological Microscope



BS-8060B

Introduction

A gemological microscope is the microscope used by jewelers and gem stone experts, the gemological microscope is the most important tool in their jobs. BS-8060 gemological microscope is especially designed to view precious stone samples and the pieces of jewelry that contain them. This microscope is equipped with multiple illumination systems to enhance the image of the samples.

Feature

1. Offering crisp sharp and high resolution image with high bright LED point light, dark field illumination and even fluorescent light source. It is a high level professional gemological microscope.
2. Designing with very good idea can greatly improve the working efficiency, it is also easy to operate and makes operators feel more comfortable.

Application

BS-8060 gemological microscope is a precision microscope that are capable of inspecting diamonds, emeralds, rubies, and all other types of precious stones. It is usually used to inspect the authenticity of gemstones and design, produce and repair of jewelry.



Specification

Model		BS-8060B	BS-8060T
Viewing Head	Binocular Viewing Head, Inclined at 45°	●	
	Trinocular Viewing Head, Inclined at 45°		●
	Digital Viewing Head, Inclined at 45°, 3.2MP(2048×1536)		
Eyepiece	Extra wide field eyepiece WF15×/16 with diopter adjustment	●	●
Stereo Zoom Body	Zoom ratio 0.8×-5×, zoom ratio 1:6.3, working distance 115mm	●	●
Bright & Dark Field Illumination	Iris diaphragm 2mm-41mm, Bright and dark viewing field illumination are adjustable	●	●
Illumination	7W Fluorescent lamp	●	●
	LED Point Light	●	●
	6V/20W Halogen illumination, lamp can be changed	●	●
Focusing	Focusing range: 100mm, it is suitable for observing different size gem and sample	●	●
Gem Clamp	High quality steel clamp is perfect to hold the gem for observation from all directions	●	●
Stage	At both side, there are two gem clamp fixing holds for you to choose	●	●
Stand	0-38° Rotatable, so the height and angle of eyepiece can be adjusted, easy to operate	●	●
Base	0-325° Rotatable	●	●

Note: ● Standard Outfit, ○ Optional

Multi-Head Microscope

1. BS-2030MH Multi-Head Microscope



BS-2030MH4A



BS-2030MH4B



BS-2030MH10

Introduction

BS-2030MH Series Multi-Head Microscopes are equipped with multi-head for more persons observing at the same time. The optical system is high quality and reliable.

Feature

1. Sharp image display with excellent optical system.
2. Small space occupancy with integral stand design, low environment requirement with anti-mould technology.
3. Users friendly and comfortable operation with ergonomic design.

Application

BS-2030MH Series Multi-Head Microscopes are mainly used in medical teaching and biological teaching. They also can be used for biological analysis for more experts at the same time. They can be widely used in medical and sanitary establishments, laboratories, institutes, colleges and universities.

Specification

Item	Specification	BS-2030 MH4A	BS-2030 MH4B	BS-2030 MH10
Viewing Head	Sliding Binocular Head, inclined at 45°, Interpupillary Distance: 55-75mm	2Pcs	1Pc	5Pcs
	Monocular Head, inclined at 45°		2Pcs	
	Sliding Trinocular Head, inclined at 45°, Interpupillary Distance: 55-75mm	○	○	○
Eyepiece	Wide Field Eyepiece WF10×	4Pcs	4Pcs	10Pcs
Nosepiece	Quadruple Nosepiece	●	●	●
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●	●
Condenser	Abbe Condenser NA1.25	●	●	●
Focusing	Coaxial Coarse & Fine Focus Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm	●	●	●
Stage	Double Layers Mechanical Stage 140×140mm/ 75×50mm	●	●	●
Illumination	LED illumination, Brightness adjustable	●	●	●
	Halogen Lamp 6V/ 20W	○	○	
	Halogen Lamp 24V/ 100W			○
Pointer	Green LED Pointer, Brightness Adjustable			●

Note: ●Standard Outfit, ○Optional

2. BS-2080MH Multi-Head Microscope



BS-2080MH4A



BS-2080MH4



BS-2080MH6



BS-2080MH10

Introduction

BS-2080MH Series Multi-Head Microscopes are high level microscopes equipped with multi-head for more persons observing at the same time. The optical system is high quality and reliable.

Feature

1. Sharp image display with excellent optical system.
2. Small space occupancy with integral stand design, low environment requirement with anti-mould technology.
3. Users friendly and comfortable operation with ergonomic design.
4. With the features of Infinite Optical System, Effective Illumination, LED Pointer and images Coherence, it is widely used in Clinic, Scientific Research and Teaching Demonstration.

Application

BS-2080MH Series Multi-Head Microscopes are mainly used in medical teaching and biological teaching. They also can be used for biological analysis for more experts at the same time. They can be widely used in medical and sanitary establishments, laboratories, institutes, colleges and universities.

Specification

Item	Specification	BS-2080 MH4/4A	BS-2080 MH6	BS-2080 MH10
Optical System	Infinite Optical System	●	●	●
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm	1PC	1PC	1PC
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm	1PCS	2PCS	4PCS
Eyepiece	Extra Wide Field Eyepiece EW10×/ 20	4PCS	6PCS	10PCS
Nosepiece	Backward Quintuple Nosepiece	●	●	●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	●	●	●
Condenser	Swing Condenser N.A.0.9/ 0.25	●	●	●
Focusing	Coaxial Coarse & Fine Focus Adjustment, Fine Division 0.001mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.1mm per Rotation, Moving Range 24mm	●	●	●
Stage	Double Layers Mechanical Stage 185×142mm, Moving Range 75×55mm	●	●	●
Kohler Illumination	External Illumination, Halogen Lamp 12V/ 100W	●	●	●
Pointer	Green LED Pointer, Brightness Adjustable	●	●	●
	Dual Color LED Pointer, Brightness Adjustable	○	○	○
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope	○	○	○
Video Adapter	C Mount 1×	○	○	○
	C Mount 0.5×	○	○	○

Note: ●Standard Outfit, ○Optional

BSC Series Comparison Microscope

1. BSC-200 Comparison Microscope



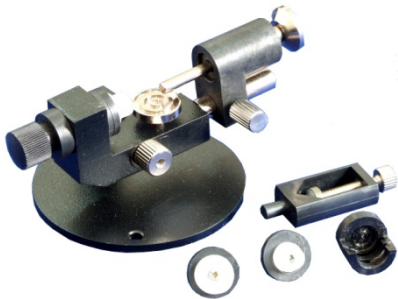
Introduction

BSC-200 Comparison Microscope can observe two objects with a pair of eyepiece at the same time. Using field cutting, docking and overlapping methods, two (or more) objects can be compared together. BSC-200 has clear image, high resolution, and can identify tiny differences between objects accurately. It is basically used for forensic science and police departments.

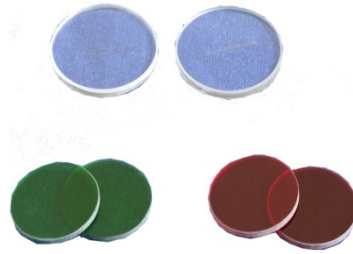
Feature

1. Can be used for Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation.
2. With changeable objectives, right and left objectives can be adjusted to consistency.
3. Stage size: 100mm×100mm, Moving range: The transverse, longitudinal, vertical directions are 0-54mm, horizontal rotation 0° -360°, stage inclined to any direction of 0° - 45°.
4. Two stages can be adjusted horizontally at the same time, moving range: 0-54mm.
5. Coarse lifting range of 0 - 60mm.
6. Equipped with 12V/50W air-cooled lamps, large power LED lamps, light intensity is adjustable.
7. Polarizing attachment(optional), used to eliminate stray and glare light.

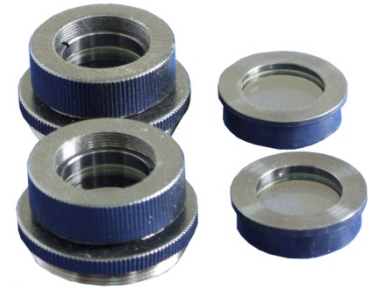
8. Coaxial illumination device(optional), used for observation of deep hole, small hole and smooth surface.
9. With C-mount video attachment, digital cameras can be used for synchronous observation, images and videos can be saved and analyzed.
- 10 With Photo attachment, Nikon or Olympus DLSR cameras can be used to take pictures.



Bullet Holder



Filters



Polarizing Attachment

Application

BSC-200 is the ideal device for Public Security Bureaus, procuratorates, courts and their colleges to compare and identify the bullet, tool marks, fingerprints, seals, text, signatures, drawings, and bank notes. It also can be applied to electronic, biochemical, agriculture, archaeology, banking, Customs and industries or sectors who have the requirements to detect or identify objects.

Specification

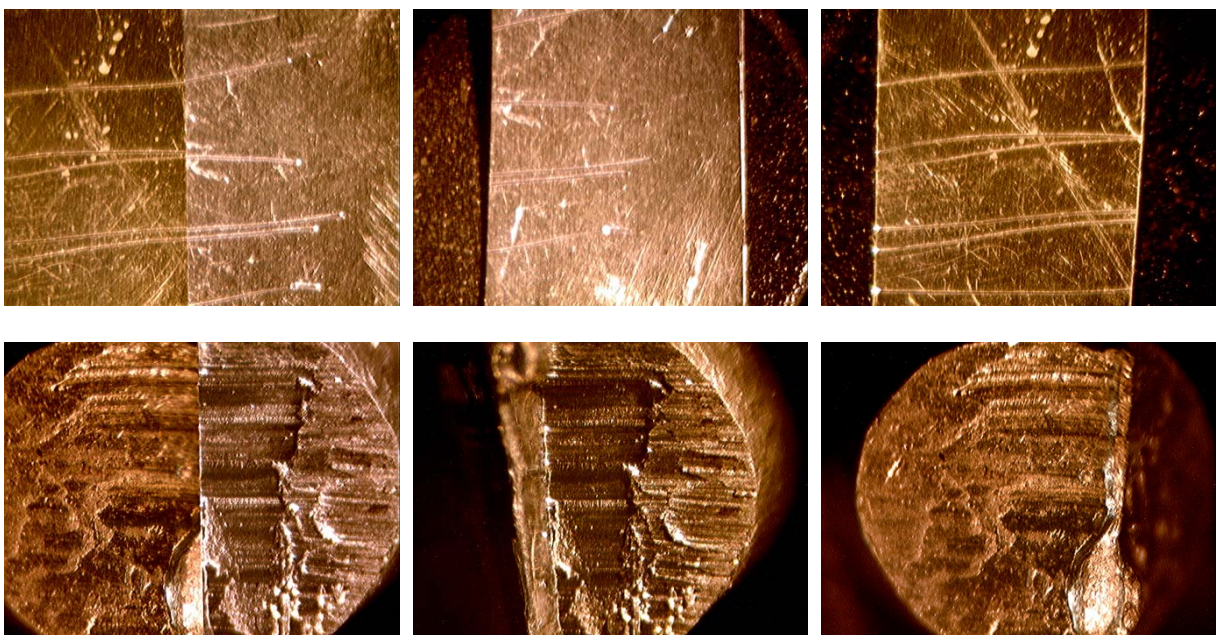
Model		BSC-200
Total Optical Magnification	9.6×~115×	●
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 55-75mm	●
Eyepiece	Wide Field Eyepiece WF10×/ 22, diopter adjustment	●
	Wide Field Eyepiece WF20×/ 12, diopter adjustment	●
Comparison Mode	Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation	●
Objective	0.8×, 1.25×, 2×, 3.2×, 4.8× changeable objective	●
Auxiliary Objective	0.4×, 2× Auxiliary Objective (with auxiliary objective, the total magnification can be extended to 3.8× ~ 230×)	○
Stage	Manually operate stage, moving range: X-54mm, Y-54mm, Z-54mm	●
	Two stage horizontal moving range: 54mm, The coarse vertical lifting range: 60mm	●
Illumination	High power LED illumination, brightness and angel adjustable	●
	Side illumination, 12V/50W air cooled reflecting lamps	●
	Polarizing attachment	●
	Coaxial illumination device	○
Photo Adapter	Photo attachment for DSLR digital camera(Nikon, Canon)	●
Video Adapter	C -mount for digital cameras	●

Eyepieces and Objective Parameters

Objective	Bridge	Magnification/FOV(mm)		Video Attachment	Photo Attachment	Working Distance (mm)
		10× Eyepiece	20× Eyepiece			
0.8×	1.2×	9.6×/φ28	19.2×/φ17	3×	2.5×	101
1.25×		15×/φ18	30×/φ11			
2×		24×/φ11	48×/φ7			
3.2×		36×/φ7	77×/φ4.5			
4.8×		58×/φ4.2	115×/φ2.3			

Note: With 0.8× objective, 10× eyepiece, the magnification=0.8×1.2×10×=9.6×

Sample Image



2. BSC-300 Comparison Microscope



Introduction

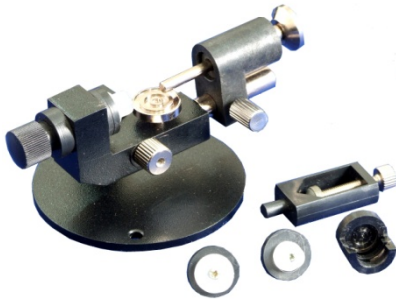
BSC-300 Comparison Microscope can observe two objects with a pair of eyepiece at the same time. Using field cutting, jointing and overlapping methods, two (or more two) objects can be compared together. BSC-300 has clear image, high resolution, and can identify tiny differences between objects accurately. It is basically used for forensic science and police departments.

BSC-300 has excellent optical performance and complete comparison function, it is suitable for various comparison demands, so it has a very wide range of applications.

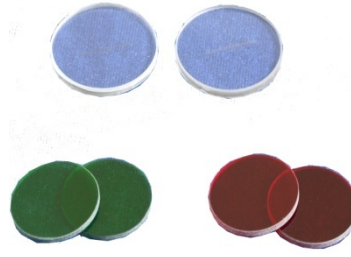
Feature

1. Can be used for Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation.
2. With sextuple nosepiece, comes with 0.5×, 1×, 1.5×, 2×, 4×, 6× objectives, nosepiece has stop clicks, comfortable to change the objectives.
3. Stage size: 100mm×100mm, Moving range: The transverse, longitudinal, vertical directions are 0-62mm, horizontal rotation 0 ° -360 °, stage inclined to any direction of 0 ° - 60 °.
4. Two stages can be adjusted horizontally at the same time, moving range: 0-62mm.
5. Coarse lifting range of 0 - 62mm.

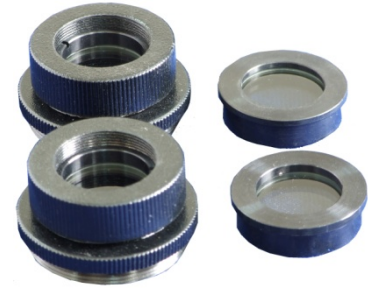
6. Equipped with 12V/50W air-cooled lamps, large power LED lamps, light intensity is adjustable.
7. Polarizing attachment, used to eliminate stray and glare light.
8. Coaxial illumination device, used for observation of deep hole, small hole and smooth surface.
9. With C-mount video attachment, digital cameras can be used for synchronous observation, images and videos can be saved and analyzed.
- 10 With Photo attachment, Nikon or Olympus DSLR cameras can be used to take pictures.



Bullet Holder



Filters



Polarizing Attachment

Application

BSC-300 is the ideal device for Public Security Bureaus, procuratorates, courts and their colleges to compare and identify the bullet, tool marks, fingerprints, seals, text, signatures, drawings, and bank notes. It also can be applied to electronic, biochemical, agriculture, archaeology, banking, Customs and industries or sectors who have the requirements to detect or identify objects.

Specification

Item	Specification	BSC-300
Total Optical Magnification	5×~120×	●
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 55-75mm	●
Eyepiece	Wide Field Eyepiece WF10×/ 22, diopter adjustment	●
	Wide Field Eyepiece WF20×/ 12, diopter adjustment	●
Field of View	Φ2mm~Φ60mm	
Comparison Mode	Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation	●
Objective	0.5×, 1×, 1.5×, 2×, 4×, 6×	●
Auxiliary Objective	0.4×, 2× Auxiliary Objective (with auxiliary objective, the total magnification can be extended to 2× ~ 240×)	○
Nosepiece	Sextuple nosepiece	●
Stage	Manually operate stage, moving range: X-62mm, Y-62mm, Z-62mm	●
	Two stage horizontal moving range: 62mm, The coarse vertical lifting range: 62mm	●
Illumination	High power LED illumination, brightness and angel adjustable	●
	Side illumination, 12V/50W air cooled reflecting lamps	●
	Polarizing attachment	●
	Coaxial illumination device	○
Photo	Photo attachment for DSLR digital camera(Nikon, Canon)	●

Attachment		
Video Adapter	C -mount for digital cameras	•

Eyepieces and Objective Parameter

Objective	Magnification/FOV(mm)		Working Distance (mm)
	10× Eyepiece	20× Eyepiece	
0.5×	5×/Φ60	10×/Φ24	143
1×	10×/Φ21	20×/Φ12	102
1.5×	15×/Φ15	30×/Φ8	
2×	20×/Φ11	40×/Φ6	
4×	40×/Φ6	80×/Φ3	
6×	60×/Φ3.9	120×/Φ2	

Dimension: 39(L) ×38(W) ×70(H)cm

Sample Image



BLM Series LCD Digital Microscope

1. BLM-212 LCD Digital Biological Microscope



Introduction

BLM-212 digital LCD biological microscope integrates traditional optics and digital technology. A 2.0MP digital camera is built in the head of the microscope, the LCD screen is 3.6 inch. The captured photos and videos can be saved in the SD card. Users can transfer images and videos to PC via USB cable or SD card. A carrying case with tools comes with the microscope.

Feature

1. 2.0MP built-in digital camera.
2. 3.6" TFT LCD screen with 8× digital zooming.
3. SD Card for data storage.
4. Carrying case and tools come with the microscope.

Application

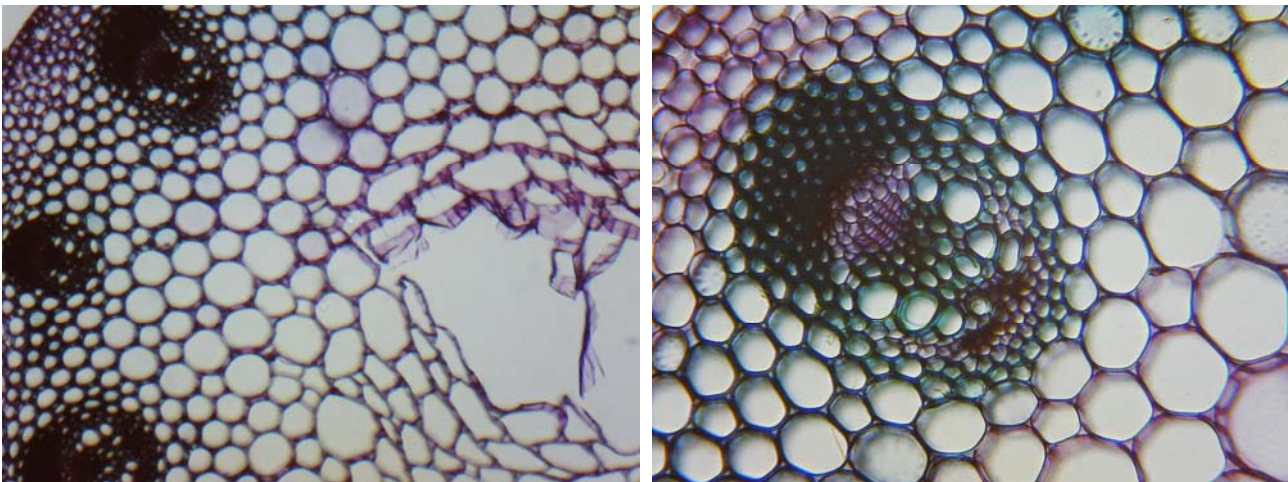
BLM-212 digital LCD microscope can be used for teaching in schools, it also can be used by kids for hobbies.

Specification

Model		BLM-212
Digital Part	3.6" TFT LCD screen, resolution: 960×240	●
	2.0MP CMOS digital camera, resolution: 1600×1200	●
	Built-in Memory: 32MB	●
	USB cable: USB2.0 mini	●
	SD card: 2G	●
	Digital zoom magnification: 8×	●
	Power Supply: DC 5V, 1A	●
Optical Part	Eyepiece tube inclined at 45°, WF10×/18 eyepiece	●
	Achromatic Objective 4×, 10×, 40×	●
	Total Magnification: 40×, 100×, 400×	○
	Mechanical Stage: 90×90mm with X-Y moving ruler	●
	Reflected and transmitted LED Illumination, Brightness Adjustable	○
	Condenser: 0.65 condenser, Dial aperture	●
	Working Distance: 27mm	●
	Coarse Movement Distance: 13mm	●

Note: ● Standard Outfit, ○ Optional

Sample Images



2. BLM-220 LCD Digital Biological Microscope



Introduction

BLM-220 Series digital LCD biological microscopes have a built-in camera and an LCD screen to replace traditional eyepiece. These microscopes make the observation more comfortable and resolves the fatigue caused by using a traditional microscope. The microscopes can take pictures, videos and save on the SD card. They also can be connected to other LCD monitor or projector via HDMI interface.

Feature

1. Built-in digital camera up to 12.0MP, video up to 1080P/30fps.
2. 9-inch HD digital LCD screen with broad visible angle, easy for people to share.
3. Images and videos can be saved in SD card, the 4G SD card comes as standard, it can be expanded to 32G.
4. LED illumination with 50,000 hours life span.
5. HDMI video output, can be connected to other LCD monitor or projector.
6. Cross-hair can assist for measurement.
7. BLM-220E can work as a biological and stereo microscope.

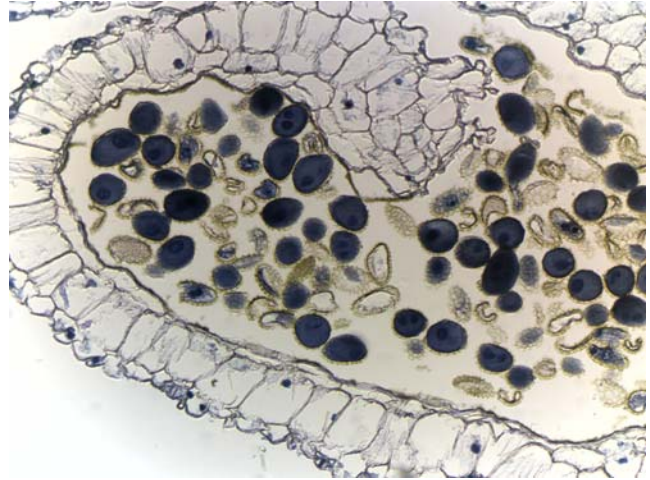
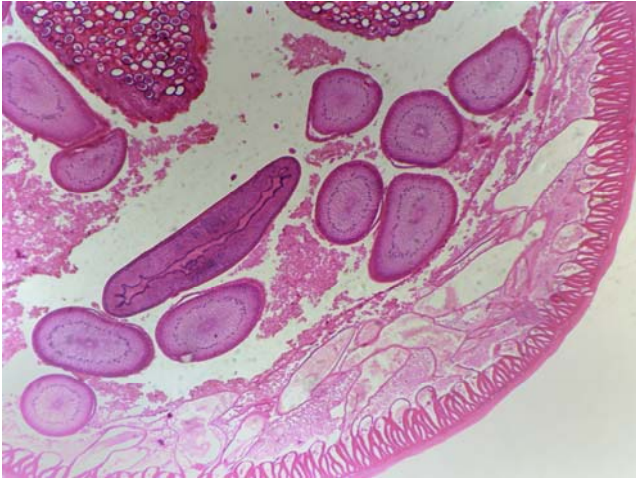
Application

BLM-220 series LCD digital microscopes are mainly used in middle schools, medical colleges and universities for education, they also can be used in clinics, hospitals, laboratories and related institutes for diagnosis, scientific demonstration and research.

Specification

Model	BLM-220A	BLM-220B	BLM-220C	BLM-220D	BLM-220E
LCD Screen	9 Inches HD	9 Inches HD	9 Inches HD	9 Inches HD	9 Inches HD
LCD Resolution	1280×800	1280×800	1280×800	1280×800	1280×800
Image Resolution	4 Mega	4 Mega	5Mega	5 Mega	12 Mega
Video Resolution	720P/30fps	720P/30fps	720P/30fps	720P/30fps	1080P/30fps
Photo/Video Playback	Yes	Yes	Yes	Yes	Yes
Data Output	USB	HDMI/ USB	USB	HDMI/USB	HDMI/VGA/USB
Measurement Assist	Crosshair	Crosshair	Crosshair	Crosshair	Crosshair
Positioning	Crosshair/ Arrow pointer	Crosshair/ Arrow pointer	Crosshair/ Arrow pointer	Crosshair/ Arrow pointer	Crosshair/ Arrow pointer
Crosshair and Pointer Colors	Black/White/Red/Blue/Green	Black/White/Red/Blue/Green	Black/White/Red/Blue/Green	Black/White/Red/Blue/Green	Black/White/Red/Blue/Green
Application	Biological	Biological	Biological	Biological	Biological + Stereo
Biological Achromatic Objectives	4×/10×/40×	4×/10×/40×	4×/10×/40×/100×	4×/10×/40×/100×	4×/10×/40×/100×
Digital Magnification	8×	8×	8×	8×	8×
Exposure	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto
White Balance	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto	Manual/Auto
Stereo Objectives	No	No	No	No	1×/2×
Storage	4GB SD Card	4GB SD Card	4GB SD Card	4GB SD Card	4GB SD Card
Focusing System	Coaxial Coarse/Fine Focus System				
Nosepiece	Triple	Triple	Quadruple	Quadruple	Quadruple
Stage	Double Layers Mechanical Stage				
Condenser	Sliding-in Condenser NA1.25				
LED Illumination	Transmitted Light	Transmitted Light	Transmitted Light	Transmitted Light	Transmitted / Reflected Light
Input Voltage	12V-19V	12V-19V	12V-19V	12V-19V	12V-19V

Sample Images



3. BLM-240 LCD Digital Biological Microscope



Introduction

BLM-240 Series digital LCD biological microscopes have integrated digital camera and an HD LCD screen on the microscope. Users can observe from both eyepiece and LCD screen. These microscopes make the observation more comfortable and resolves the fatigue caused by using a traditional microscope. The microscopes can take pictures, videos and save on the SD card. They also can be connected to other LCD monitor or projector via HDMI interface.

Feature

1. Built-in digital camera up to 12.0MP, video up to 1080P/30fps.
2. 9-inch HD digital LCD screen with broad visible angle, easy for people to share.
3. Observation from binocular eyepiece and LCD screen at the same time.
4. Images and videos can be saved in SD card(4G SD card is standard), it can be expanded to 32G.
5. LED illumination with 50,000 hours life span.
6. HDMI video output, can be connected to other LCD monitor or projector.
7. Cross-hair can assist for measurement.
8. BLM-240C can work as a biological and stereo microscope.

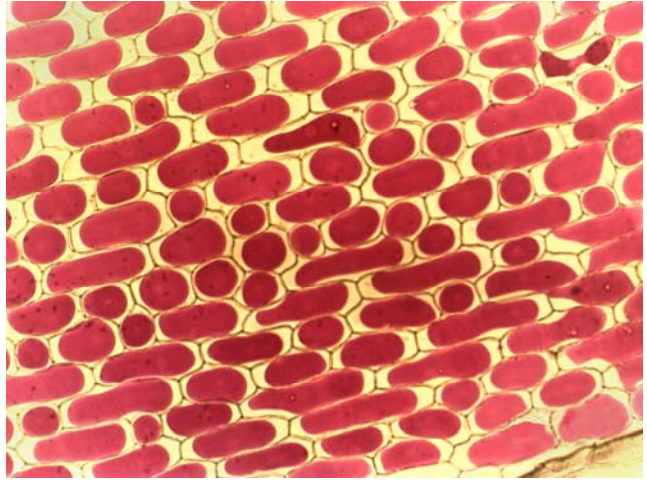
Application

BLM-240 series LCD digital microscopes are mainly used in middle schools, medical colleges and universities for education, they also can be used in clinics, hospitals, laboratories and related institutes for diagnosis, scientific demonstration and research.

Specification

Model	BLM-240A	BLM-240B	BLM-240C
LCD Screen	9 HD Inches	9 HD Inches	9 HD Inches
LCD Resolution	1280*800	1280*800	1280*800
Camera	5 Megapixels	5 Megapixels	12 Megapixels
Video Resolution	720P/30fps	720P/30fps	1080P/30fps
Data Output	USB	USB/HDMI	USB/HDMI
Storage	4GB SD Card	4GB SD Card	4GB SD Card
Application	Biological Microscope	Biological Microscope	Biological + Stereo Microscope
Nosepiece	Quadruple	Quadruple	Quadruple
Eyepiece	WF10×/18mm	WF10×/18mm	WF10×/18mm
Infinite Achromatic Objectives	4×/10×/40×/100×	4×/10×/40×/100×	4×/10×/40×/100×
Stereo Objectives	No	No	1×/2×
Focusing System	Coaxial Coarse/Fine Focus System	Coaxial Coarse/Fine Focus System	Coaxial Coarse/Fine Focus System
Stage	Double Layers Mechanical Stage	Double Layers Mechanical Stage	Double Layers Mechanical Stage
Condenser	Sliding-in Condenser NA1.25	Sliding-in Condenser NA1.25	Sliding-in Condenser NA1.25
LED Illumination	Transmitted Light	Transmitted Light	Transmitted / Reflected Light
Digital Magnification	8×	8×	8×
Exposure	Manual/Auto	Manual/Auto	Manual/Auto
White Balance	Manual/Auto	Manual/Auto	Manual/Auto
Measurement Assitant	Crosshair	Crosshair	Crosshair
Positioning	Crosshair/ Arrow pointer	Crosshair/ Arrow pointer	Crosshair/ Arrow pointer
Crosshair and Pointer Colors	Black/White/Red/Blue/Green	Black/White/Red/Blue/Green	Black/White/Red/Blue/Green
Input Voltage	12V-19V	12V-19V	12V-19V

Sample Images



4. BLM-260 LCD Digital Biological Microscope



Introduction

BLM-260 Series digital LCD biological microscopes have a built-in 12.0MP camera. Both traditional eyepieces and an LCD screen can be used for convenient and comfortable viewing by yourself or sharing with others. These patented microscopes make the observation more comfortable and thoroughly resolves the fatigue caused by using a traditional microscope for a long time.

They are not only feature high resolution LCD display to reverting genuine photo and video, but also feature quick and easy snapshots or short videos. They integrate magnification, digital enlarge, imaging display, photo and video capture&storage on the SD card. They also can be connected to other LCD monitor or projector via HDMI interface.

Feature

1. Built-in 12.0 megapixel digital camera, image data can be easily stored on the SD card without external computers, can improve the efficiency of research and analysis.
2. 9-inch HD digital LCD screen, high definition and bright colors, easy for people to share.
3. Large storage capacity, with SD card, print pictures instantly without being connected to PC.
4. LED lighting systems.
5. Two kinds of observation modes, binocular eyepiece and LCD screen, which can meet different needs. Combine the compound microscope, digital camera and LCD together.

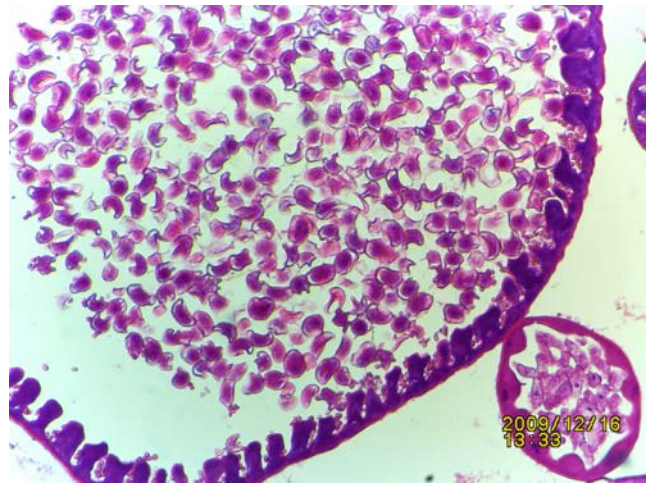
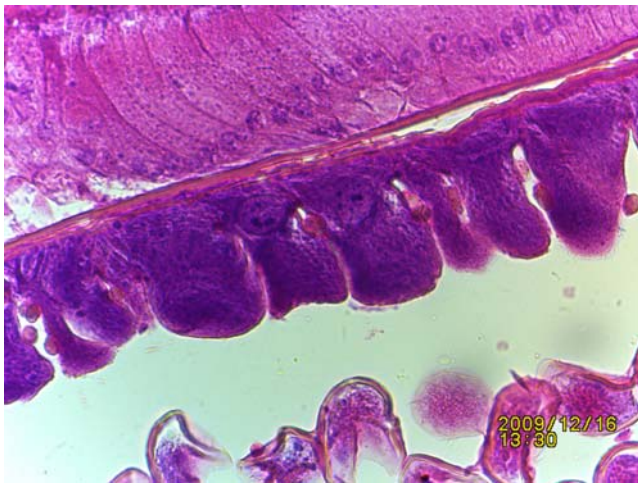
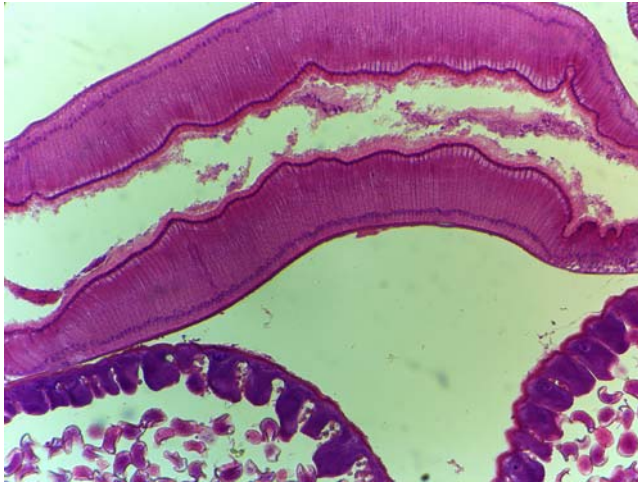
Application

With the features of easy observation, intelligence and convenient operation, complete functions and economy, it is widely used in medical and sanitary establishments, academic demonstration and research, laboratories, institutes, colleges and universities.

Specification

Digital Parts	Model	BLM-260P	BLM-260
	Resolution	12.0 Mega Pixel	
	Photo Resolution	12.0MP	
	Video Resolution	1920×1080/30fps	
	Sensor Size	1/2.5 Inches	
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280×800	
	Video Output	HDMI	
	Menu Language	Nine Languages (English, Germany, French, Spanish, Russia, Japanese, Korean, Latin, Arabic)	
	Storage	SD Card (4G)	
	Exposure Mode	Auto Exposure	
	Date Mode	Year, Month, Day, Hour, Minute	
Optical Parts	Model	BLM-260P	BLM-260
	Viewing Head	Seidentopf Binocular Head, Inclined 30°	
	Eyepiece	Wide Field Eyepiece WF10×/ 18	
	Objective	Infinite Semi-plan Achromatic 4×/0.10, 10×/0.25, 40×/0.65(Spring), 100×/1.25 (Spring,Oil)	Infinite Achromatic 4×/0.10, 10×/0.25, 40×/0.65(Spring), 100×/1.25(Spring,Oil)
	Nosepiece	Quadruple	
	Stage	Double Layers Mechanical Stage 140mm×140mm; Moving Range:75mm×50mm	
	Focusing System	Coaxial Coarse/Fine Focus System with Tension Adjustable, Limit Stopper ,Range 24mm, Fine Division 0.002mm	
	Illumination	3.7V, 3W LED Lamp, Brightness Adjustable	
	Condenser	NA1.25 Abbe Condenser with Iris Diaphragm & Filter(Blue and Green),Rack & Pinion Adjustment	
Optional Parts	Eyepiece	High Point and Wide Field Eyepiece, WF16×/11mm	
		Wide Field Eyepiece WF10× /20mm with a Reticle, Single Line, 10mm/100 Cross, Hair(0.1mm Micro-meter)	
	Condenser	Dark Field: Dry NA0.75/ Oil NA1.25	
	Infinity Phase	Centering Telescope	
	Contrast Unit	Infinity Phase Contrast Plan Achromatic Objective 10×,20×,40×,100×	
	Simple Polarization Unit	Polarizer (360°Rotatable)	
	Analyzer		
Illumination	6V, 20W Halogen Lamp, Brightness Adjustable		

Sample Image



5. BLM-280 LCD digital microscope



Introduction

BLM-280 LCD digital microscope is a new generation microscope that has an Android system. With a 8" LCD screen, it works like a tablet PC. You can take photos, take videos and do measurement on the machine. With friendly man-machine interface, powerful processing function (real-time preview, dynamic calibrating and measuring), easy to operate and comfortable mechanical design, it is your best assistant in teaching, electronic inspection, biological and medical research!

Feature

1. BLM-280 digital LCD microscope is a new generation microscope with Android OS, just like a tablet PC.
2. Support WIFI wireless and blue tooth. It's easy to extend the application.
3. With 8 inch IPS LCD screen, A7 dual core 1.6G processor, support 5 point touch, HDMI video output and SD card expansion. It's easy to operate and can be widely used in various optical micro fields, such as teaching, researching, electronic checking and so on.

Specification

Item	Specification	BLM-280
Digital part	5.0 Mega Pixels CMOS Sensor	●
	Support Wifi and Bluetooth	●
Viewing Head	Seidentopf Free binocular head, 30° inclined, 360° Rotatable, interpupillary 52-75mm	●
Eyepiece	Wide Field Eyepiece WF10×/18	●
Objective	Infinite Semi-Plan Achromatic Objective 4×, 10×, 40×, 100×	●
Nosepiece	Quadruple Nosepiece	●
Stage	Double Layers Mechanical Stage 140×140, moving range: 75×50	●
Condenser	Sliding-in centerable condenser NA1.25	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 20mm	●
Illumination	6V/20W Halogen Lamp Illumination, Brightness Adjustable	○
	LED Illumination, Brightness Adjustable	●
LED Screen	8 Inch IPS Touching Screen	●
Output	USB2.0, Mini USB, HDMI	●
OS	Android 4.2.2	●
Software	TouchScope	●
SD Card	Support SD Card	○
Mouse		○

Note: Note: ● Standard Outfit, ○ Optional

6. BLM-290 Digital LCD Inverted Biological Microscope



Introduction

BLM-290 Digital LCD Inverted Biological Microscope has renovated the traditional way of microscopic observation and adopted a modern way of digital imaging. Our LCD Microscopes can be used with both traditional eyepieces and an 9 inches HD LCD Screen for easy and comfortable viewing for yourself and to share with others. This patented microscope not only features high resolution of LCD display to reverting genuine photo and video, but also features for quick and easy snapshots or short videos. This product integrates magnification, digital enlarge, imaging, display, photo and video capture&storage on the SD card.They also can be connected to other LCD monitor or projector via HDMI interface.

The LWD infinite plan objectives make viewing field flatter and brighter. With the phase contrast objectives, living cell observing is easier. It is available to observe low contrast or transparent specimens used by pre-centerable phase annulus. It is convenient and special for viewing incubating cell tissue.

Feature

1. Built-in 12.0 megapixel digital camera, image data can be easily stored on the SD card without external computers, can improve the efficiency of research and analysis.
2. 9-inch HD digital LCD screen, high definition and bright colors, easy for people to share.
3. Large storage capacity, with SD card, print pictures instantly without being connected to PC.
4. LED lighting systems.
5. Two kinds of observation modes, binocular eyepiece and LCD screen, which can meet different needs. Combine the compound microscope, digital camera and LCD together.

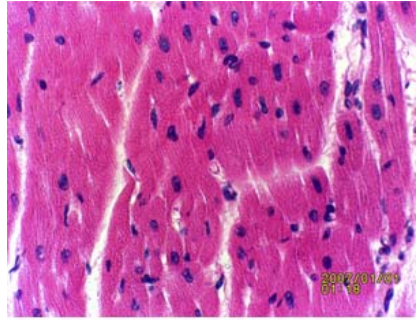
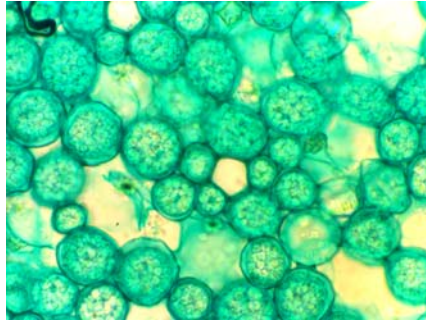
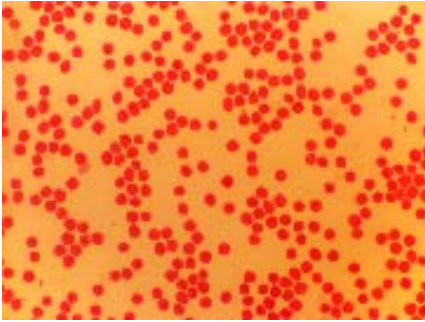
Application

BLM-290 is used by the medical and health units, universities, research institutes for the micro-organisms, cells, bacteria, tissue culture, suspended solids, sediments and other observations. It can continuously observe growing and dividing process of the cells, bacteria in the culture medium. It can also film and photograph the process. BLM-290 has very wide application in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Specification

Digital Parts	Pixel	12.0 Mega Pixel		
	Photo Resolution	12.0MP		
	Video Resolution	1920×1080/30fps		
	Sensor Size	1/2.5 Inches		
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280×800		
	Video Output	HDMI		
	Menu Language	Nine Languages (English, Germany, French, Spanish, Russia, Japanese, Korean, Latin, Arabic)		
	Storage	SD Card(4G)		
	Exposure Mode	Auto Exposure		
	Date Mode	Year, Month, Day, Hour, Minute		
	Optical Parts	Viewing Head	Seidentopf Binocular 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 18mm	
			40×/ 0.6, WD 2.6mm	
		Infinite Plan Phase Objective	PH10×/ 0.25, WD 10 mm	
			PH20×/ 0.4, WD 5.1mm	
Nosepiece		Quintuple Nosepiece		
Condenser		ELWD Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)		
Annulus		10×-20×, 40× Phase Annulus Plate		
Stage		Plain Stage 160×250mm		
		Glass Insert		
	Auxiliary Stages 70×180mm			
Focusing	Coaxial Coarse and Fine Adjustment, Vertical Objective Movement; Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation			
Illumination	Halogen Lamp 6V/ 30W			
Filter	Diameter 45mm, Blue, Green and Ground Glass			
Optional Parts	Objective	LWD Infinite Plan Objective		
		10×/ 0.25, WD 10mm		
		20×/ 0.4, WD 5.1mm		
	Infinite Plan Phase Objective		PH40×/ 0.65, WD 0.35mm	
	Centering	Centering Telescope (Φ30MM)		
	Phase Annulus	10×-20×, 40× Phase Annulus Plate		
Stage	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang 120×78mm			
	Terasaki Holder			
	Φ38mm Petri Dish Holder			

Sample Image



7. BLM-340/341 Digital LCD Stereo Microscope



Introduction

BLM-340/341 series LCD stereo microscope has renovated the traditional way of microscopic observation and adopted a modern way of electronic imaging and a high resolution LCD screen. A LED illumination is built-in the microscope head. This patented microscope makes the observation more comfortable and thoroughly resolves the fatigue caused by using a traditional microscope for a long time.

Feature

1. 9 Inches HD screen(1280×800) real-time display and no need to connect to computer.
2. Can take images up to 5.0MP/12.0MP images, HD videos of 720P/30fps (1080P/30fps) .
3. HDMI Output for LCD monitor or Projector.
4. Improving working efficiency and reducing fatigue.
5. Can take Images, videos and saved in the SD card(Support Max:64G).
6. 4 areas separately controlling LED illumination, no shadow.
7. Universal stand can fulfill different working requirements.



Application

This product can be widely used to test and inspect product assembly, it also can be used in research and teaching fields.

Specification

Model		BLM-340	BLM-341
LCD Screen	9 Inches HD TFT Screen, 1280×800	●	●
Max. Resolution	5.0 Mega Pixel(2560×1920)	●	
	12.0 Mega Pixel(4032×3024)		●
Video Resolution	720P/30fps	●	
	1080P/30fps		●
Photo/Video Playback	Yes	●	●
Data Output	USB2.0	●	●
Video Interface	HDMI	●	●
Language	Chinese / English	●	●
Positioning	Crosshair/Arrow Pointer	●	●
Crosshair Colors	Black/White/Red/Blue/Green	●	●
Date Mode	Year, Month, Day, Hour, Minute	●	●
Objectives	Continuing Zoom Range 0.7×~4.5×	●	●
Zoom Ratio	1:6.5	●	●
Total Magnification	9×-80×	●	●
Digital Magnifications	8×	●	●
Field of View	16×12mm-2.45×1.8mm	●	●
Working Distance	1× objective, 100mm	●	●
Storage	SD Card (4G)	●	●
Exposure	Manual/Auto	●	●
White Balance	Manual/Auto	●	●
Color Mode	Color/Black&White/Negative	●	●
Top Illumination	Four-zone LED Ring Lighting Control	●	●
Voltage Input	100V-240V, 50Hz/60Hz	●	●
Optional Parts	Universal Stand	○	○
	Precision Measuring Stage	○	○
	Stage Micrometer 0.1mm	○	○
	0.5× objective, WD: 203mm	○	○
	2× objective, WD: 50mm	○	○

Note: ●Standard Outfit, ○ Optional

Sample image



8. BLM-340M/341M Digital LCD Stereo Measuring Microscope



Introduction

BLM-340M Digital LCD Stereo Measuring Microscope has renovated the traditional way of microscopic observation and adopted a modern way of digital imaging, a high resolution LCD screen and an accurate measurement stage. This patented microscope makes the observation more comfortable and thoroughly resolves the fatigue caused by using a traditional microscope for a long time. It features high resolution of LCD display to generate high definition photo and video.

Feature

1. 9 Inches HD screen(1280×800) real-time display and no need to connect to computer.
2. Can take images up to 5.0MP/12.0MP images, HD videos of 720P/30fps (1080P/30fps) .
3. HDMI Output for LCD monitor or Projector.
4. Improving working efficiency and reducing fatigue.
5. Can take Images, videos and saved in the SD card((Support Max:64G)).
6. 4 areas separately controlling LED illumination, no shadow.
7. X/Y digital micrometer and moving stage for accurate measuring.

Application

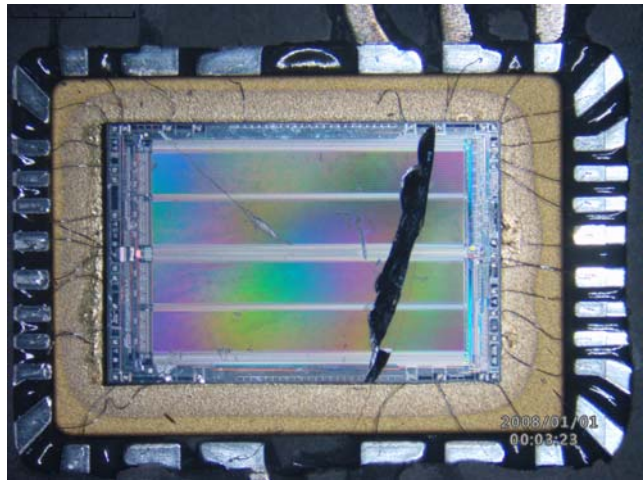
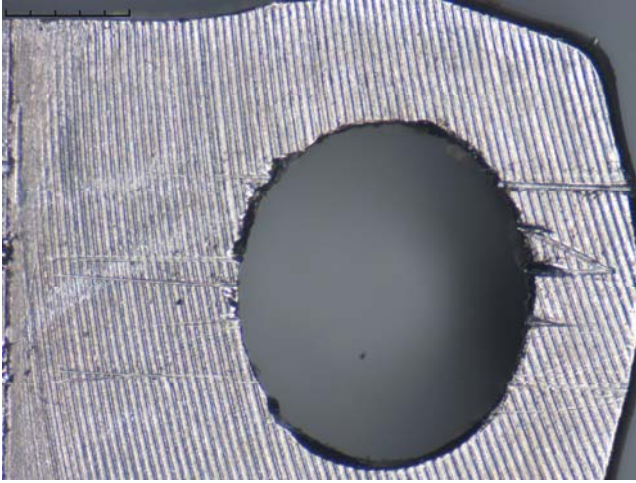
BLM-340M can be conveniently applied to testing and inspecting in product assembly, research and teaching fields.

Specification

Model		BLM-340M	BLM-341M
LCD Screen	9 Inches HD TFT Screen, 1280×800	●	●
Max. Resolution	5.0 Mega Pixel(2560×1920)	●	
	12.0 Mega Pixel(4032×3024)		●
Video Resolution	720P/30fps	●	
	1080P/30fps		●
Photo/Video Playback	Yes	●	●
Data Output	USB2.0	●	●
Video Interface	HDMI	●	●
Language	Chinese / English	●	●
Positioning	Crosshair/Arrow Pointer	●	●
Crosshair Colors	Black/White/Red/Blue/Green	●	●
Date Mode	Year, Month, Day, Hour, Minute	●	●
Objectives	Continuing Zoom Range 0.7×~4.5×	●	●
Zoom Ratio	1:6.5	●	●
Total Magnification	9×-80×	●	●
Digital Magnifications	8×	●	●
Field of View	16×12mm-2.45×1.8mm	●	●
Working Distance	1× objective, 100mm	●	●
Storage	SD Card (4G)	●	●
Exposure	Manual/Auto	●	●
White Balance	Manual/Auto	●	●
Color Mode	Color/Black&White/Negative	●	●
Top Illumination	Four-zone LED Ring Lighting Control	●	●
Voltage Input	100V-240V, 50Hz/60Hz	●	●
Measurement Stage	Moving range: 30mm*30mm, Measuring accuracy: 0.005mm	●	●
Optional Parts	Stage Micrometer 0.1mm	○	○
	0.5× objective, WD: 203mm	○	○
	2× objective, WD: 50mm	○	○

Note: ●Standard Outfit, ○ Optional

Sample Images



9. BLM-500 Digital LCD Polarizing Microscope



Introduction

BLM-500 digital LCD polarizing microscope adopts a polarizing light to observe and research objects which have double refraction features, users can make single polarizing observation, orthogonal observation, conoscope observation. It has renovated the traditional way of microscopic observation and adopted a modern way of electronic imaging. Eyepieces and an LCD screen can both be used for easy and comfortable viewing for yourself and to share with others. This patented microscope makes the observation more comfortable and thoroughly resolves the fatigue caused by using a traditional microscope at work for a long time. It not only features high resolution of LCD display to generate genuine photo and video, but also features for quick and easy snapshots or short videos. This product integrates magnification, digital enlarge, imaging display, photo and video capture&storage on the SD card. It also can be connected to other LCD monitor or projector via HDMI interface.

Features

1. Adopts a polarizing light to observe and research objects which have double refraction features.
2. The 12.0MP high resolution camera has real time imaging display and video recording function.
3. With a high definition 9" LCD screen.
4. 12VDC power supply safety and reliability of low voltage (Input Voltage 90-240V).
5. HDMI interface for connecting to other LCD monitor or projector via .
6. 4G SD Card for image, video storage and printing.

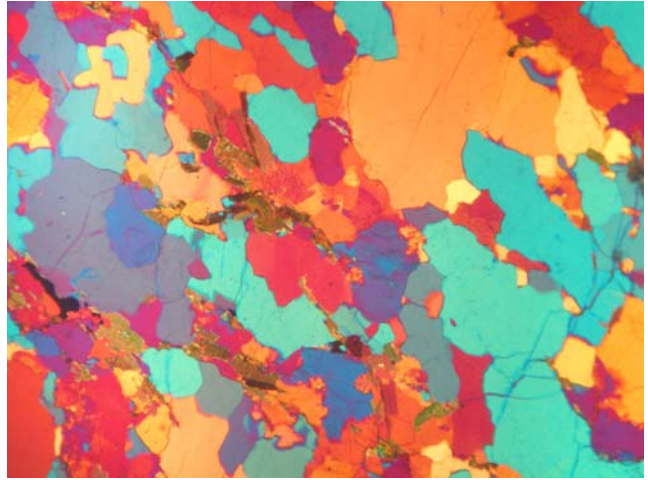
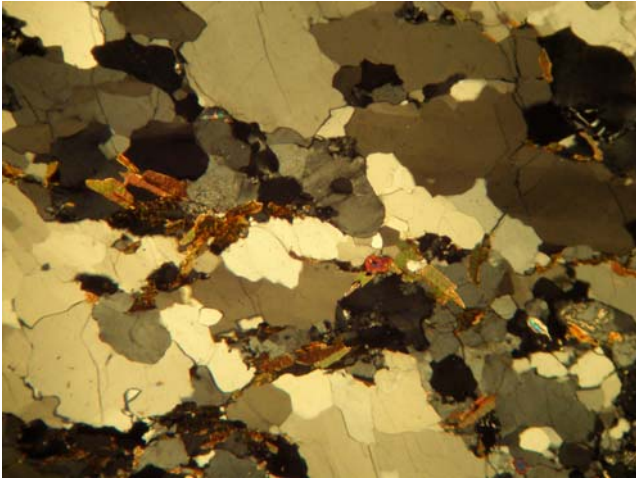
Application

BLM-500 is mainly used to observe the crystal of liquid macromolecule polymer, biomedical polymer and liquid crystal. It is widely applied in mineralogy, biology, chemistry, botany, plant pathology, zoology and other fields. It is the ideal instrument for scientific research and universities teaching and study.

Specification

Digital parts	Resolution	12.0 Mega Pixel
	Image Resolution	12.0MP
	Video Resolution	1920×1080/30fps
	Sensor Size	1/2.5 Inches
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280×800
	Video Output	HDMI
	Menu Language	Nine Languages (English, Germany, French, Spanish, Russia, Japanese, Korean, Latin, Arabic)
	Storage	SD Card(4G)
	Exposure Mode	Auto Exposure
	Date Mode	Year, Month, Day, Hour, Minute
Optical Parts	Viewing Head	Siedentopf Binocular Head Inclined 30°
	Eyepiece	Wide Field Plan Eyepieces WF10×(Φ22mm.)
		Dividing Eyepiece(field number: Φ22mm) 0.10mm/Div
	Strain-free Infinite Long W.D Plan Achromatic Objective (No Cover Glass)	PL L5×/0.12, Work Distance: 26.1 mm
		PL L10×/0.25, Work Distance: 20.2 mm
		PL L40×/0.60(Spring), Work Distance: 3.98 mm
		PL L60×/0.70(Spring), Work Distance: 3.18 mm
	Polarizing Unit	Polarizing Unit Can Be Move Out or Into Optical Path
		Polarizer Can Be Rotated 360°
		Analyzer Can Be Rotatable 360° with Scale and Minimum Vernier
		Integrated Field and Aperture Diaphragm.
	Nosepiece	Quadruple (The Center of Objective is Adjustable)
Intermediate Attachment	Puller Type Bertrand Lens and Center Adjustable.	
Compensator	λ , $\lambda/4$ and Quarts Wedge Compensator.	
Illumination	6V30W Halogen, Brightness Adjustable. Wide Voltage Range Power Supply (85-265V 50/60Hz)	
Focusing System	Coaxial Coarse/Fine Focus with Tension Adjustable and up Stop Device, Minimum Division of Fine Focusing: 2 μ m.	
Optional Parts	Strain-free Infinite Long W.D Plan Achromatic Objective (No Cover Glass)	PL L 20×/0.40, Work Distance: 8.80mm
		PL L50×/0.70(Spring), Work Distance: 3.68 mm
		PL L80×/0.80(Spring), Work Distance: 1.25 mm
		PL L100×/0.85(Spring), Work Distance: 0.4 mm
	Nosepiece	Quintuple(Backward Ball Bearing Inner Locating)
Slide Moving Holder	Moving Range: 30mmX25mm	

Sample Image



10. BLM-600A Digital LCD Metallurgical Microscope



Introduction

BLM-600A Digital LCD Metallurgical Microscope renovated the traditional way of microscopic observation and thoroughly resolves the fatigue for a long time working. It combines an 9 inches HD LCD screen and a metallurgical microscope to generate genuine photos and videos. Eyepieces and LCD Screen can both be used for convenient and comfortable viewing by individuals and sharing with others. It is also feature the latest 12.0Mega Pixels digital imaging microscopy techniques for quick and easy snapshots or videos.

Feature

1. Special designed metallurgical analysis optical system and an 9" LCD screen, images and videos can be share with other people.
2. 12.0Mega Pixel high resolution camera with real time imaging display and video recording function.
3. With a high definition 9" LCD screen.
4. 12VDC power supply safety and reliability of low voltage (Input Voltage 90-240V).
5. 4G SD Card for storage and printing.

Application

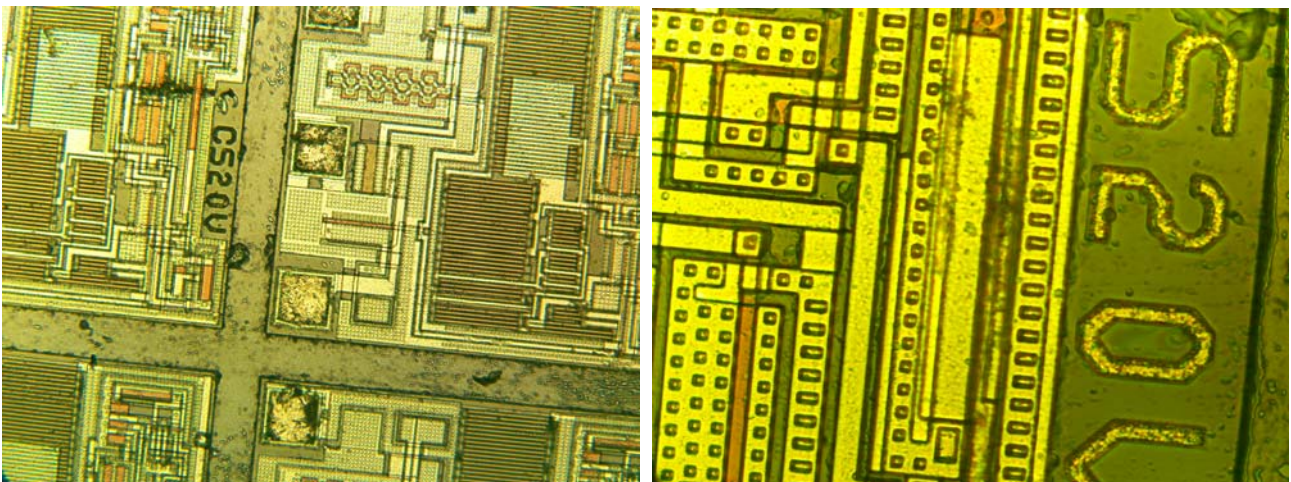
With the specially designed metallurgical analysis optical system, it also features of easy observation, intelligence and convenient operation, powerful functions and economy, it is widely used for PCB board, LCD display and metal structure observation and inspection.

Specification

Digital Parts	Resolution	12.0Mega Pixel
	Photo Resolution	12.0MP
	Video Resolution	1920×1080/30fps

	Sensor Size	1/2.5 Inches		
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280×800		
	Video Output	HDMI		
	Menu Language	Nine Languages (English, Germany, French, Spanish, Russia, Japanese, Korean, Latin, Arabic)		
	Storage	SD Card(4G)		
	Exposure Mode	Auto Exposure		
	Date Mode	Year, Month, Day, Hour, Minute		
Optical Parts	Viewing Head	Seidentopf Binocular Head, 30° Inclined, Interpupillary Distance 55-75mm		
	Eyepiece	Wide Field Eyepiece WF10×/18		
	Objective	Infinity Plan Achromatic	4×/0.1/∞/- WD25.4mm	
			10×/0.25/∞/- WD11.0mm	
			20×/0.40/∞/- WD6.0mm	
			40×/0.60/∞/0 WD3.7mm	
	Nosepiece	Quadruple Nosepiece		
	Stage	Double Layers Mechanical Stage 150mm×140mm / 75mmX50mm		
	Focusing System	Coaxial Coarse/Fine Focus System		
Illumination	Kohler Illumination, Epi-illuminator with Iris Aperture Diaphragm and Iris Field Diaphragm, 6V/20W Halogen Lamp, Brightness Adjustable			
Filters	Blue, Green, Yellow & Ground Glass			
Optional Parts	Eyepiece	WF8×/18		
		WF10×/18 with 0.1mm Micrometer & Cross Hair		
		WF12.5×/15		
	Objective	Infinity Plan Achromatic	40×/0.65/∞/- WD0.78mm	
			50×/0.75/∞/- WD0.32mm	
			80×/0.90/∞/- WD0.2mm	
			100×/0.90/∞/0 WD0.7mm	
Illumination	Diascopic Illumination, 6V/20W Halogen Lamp, Brightness Adjustable			
Polarization Set	Simple Polarization Attachment			

Sample Images



11. BLM-600B Digital LCD Inverted Metallurgical Microscope



Introduction

BLM-600B Digital LCD Inverted Metallurgical Microscope is consisted by an inverted metallurgical microscope, a high definition LCD screen and a 5 Mega Pixel camera. It renovated the traditional way of microscopic observation and thoroughly resolves the fatigue for a long time working. Eyepieces and LCD Screen can both be used for convenient and comfortable viewing by individuals and share with others. It is also feature the latest 5 Mega Pixels digital imaging microscopy techniques for quick and easy snapshots or videos.

Feature

1. Specially designed metallurgical analysis optical system and an 9" LCD screen, images and videos can be share with other people.
2. 5 Megapixels camera with real time imaging display, images and video recording and re-playing function.
3. Inverted structure for some special application.
4. 12VDC power supply, safety and reliability of low voltage (Input Voltage 90-240V).
5. 4G SD Card storage and printing.

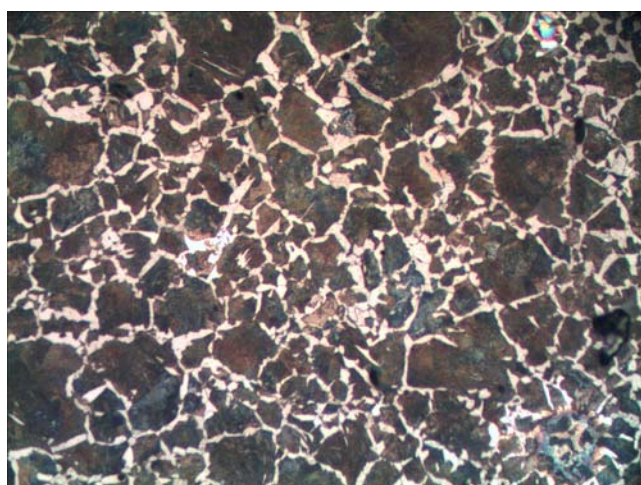
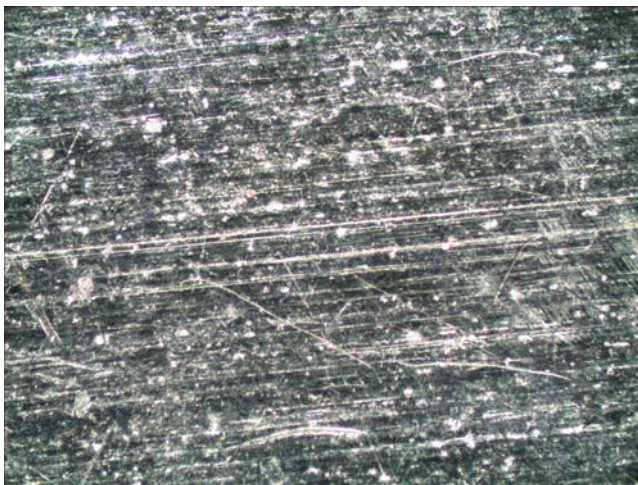
Application

BLM-600B is specially designed for studies of casting, smelting, heat treatment, inspection of raw materials, and analysis of processed materials. It is widely used in institutes, laboratories and factories to observe and identify the structure of various metal and alloy.

Specification

Digital Parts	Resolution	12.0 Mega Pixel
	Photo Resolution	12.0MP
	Video Resolution	1920×1080/30fps
	Sensor Size	1/2.5 Inches
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280×800
	Video Output	HDMI
	Menu Language	Nine Languages (English, Germany, French, Spanish, Russia, Japanese, Korean, Latin, Arabic)
	Storage	SD Card(4G)
	Exposure Mode	Auto Exposure
	Date Mode	Year, Month, Day, Hour, Minute
Optical Parts	Viewing Head	Seidentopf Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm
	Eyepiece	High-point, Extra Wide Field Eyepiece EW10×/ 22
	Objective	Infinite Plan Achromatic Objective 4×/ 0.1, 10×/ 0.25, 20×/ 0.40, 40×/ 0.60
	Nosepiece	Quintuple Nosepiece
	Stage	Plain Stage
	Focusing	Coaxial Coarse & Fine Adjustment, Vertical Objective Movement, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation
	Illumination	Halogen Lamp 6V/ 30W
	Filter	Blue, Yellow, Green and Ground Glass
	Polarization Set	Simple Polarization Attachment
Optional Parts	Objective	Infinite Plan Achromatic Objective 50×/ 0.75, 80×/ 0.90
	Stage	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Range 120×78mm
		Auxiliary Stage
Centering	Centering Telescope (Φ30MM)	

Sample Images



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