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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

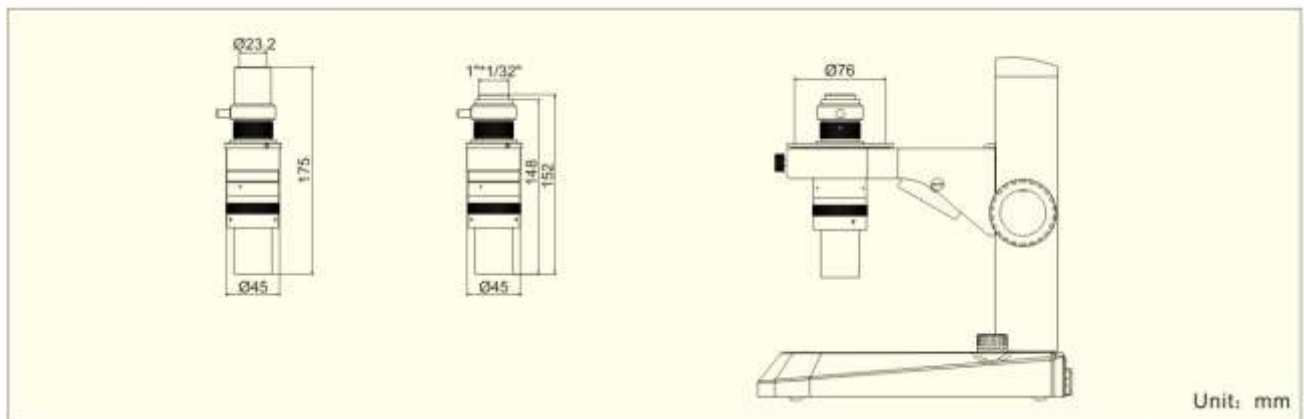
BS-1010 series Monocular Zoom Microscope are widely used in educational demonstration, agriculture research, industrial material, semi-conductor and integrated circuit inspection area and so on.

## Specification

Item	Specification		BS-1010A	BS-1010B	BS-1010C	BS-1010D	BS-1010E
Body (Mount Diameter: 45mm)	Eyepiece WF10x/18		●	●	●	●	●
	Zoom Ratio: 1: 6.5 (0.7x-4.5x)		●	●	●	●	●
	Total Magnification: 7x-45x		●	●	●	●	●
	Working Distance: 90mm		●	●	●	●	●
Video System	C-mount Adapter 1x			●	●	●	●
	C-mount Adapter 0.5x			○	○	○	○
	Various Digital Cameras			○	○	○	○
Optional Accessories	Auxiliary Objective	0.3x	○	○	○	○	○
		0.5x	○	○	○	○	○
		2x	○	○	○	○	○
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-1030 Monocular Microscope



### 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, illumination and objectives.

### Specification

Item	Specification	BS-1030	BS-1030A
Video Eyepiece	1×	●	●
	0.5×	○	○
	0.75×	○	○
	1.5×	○	○

	2x	○	○
Objective	1x, WD: 117mm	●	●
	0.5x, WD: 235mm	○	○
	0.75x, WD: 156mm	○	○
	1.5x, WD: 76mm	○	○
	2x, WD: 57mm	○	○
Zoom Magnification	0.4x-3.2x	●	●
Zoom Ratio	1:8	●	●
Optical Magnification	0.1x-12.8x(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: 318x308x16mm		●

Note: ● Standard Outfit, ○ Optional

The optical magnification is as following:

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

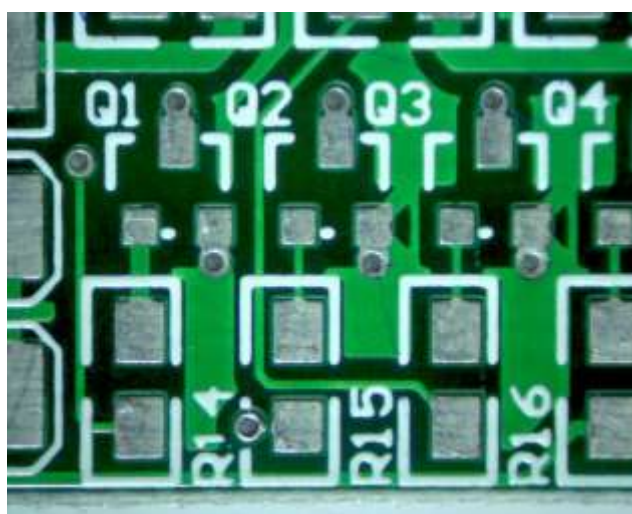


BSZ-F20



BSZ-F22

### Sample images





### 3. 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

## 4. BS-1050 Monocular Zoom Microscope



BS-1050D



BS-1050WD

### Introduction

BS-1050 Series Monocular Zoom microscopes provide high resolution and sharp stereoscopic images. USB 2.0/USB3.0 digital cameras, WIFI cameras and HDMI cameras are optional. The LED ring light can work like a coaxial illumination device and also reflected light, it can reduce the light refraction and give better image on details.

### Features

1. High quality zoom optical system 1:7.
2. Compact structure makes it occupy less working Space.
3. Various Digital cameras can be used with the microscope for image capture and analysis.
4. LED ring light has coaxial light and reflected illumination effect, can get better images on details.



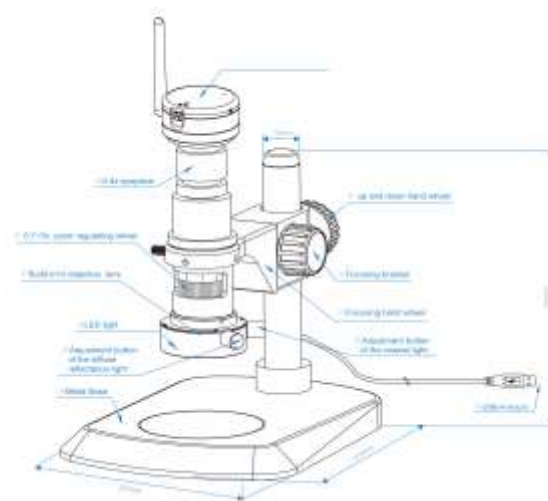
### Application

BS-1050 series Monocular Zoom Microscopes are widely used in educational demonstration, agriculture research, industries like textiles, metal products, chemicals, plastics, electronics manufacturing, machinery manufacturing, semi-conductor and integrated circuit inspection, pharmaceutical manufacturing, food processing, printing, archeology and many other fields.

## Specification

Item	BS-1050D	BS-1050WD
<b>Camera Parameters</b>		
Camera Model	BUC1C-500C USB2.0 Digital Camera(5.0MP)	BWC1-500C WIFI Digital Camera(5.0MP)
Image Sensor	5.0MP CMOS Colorful Sensor, Aptina MT9P001	5.0MP CMOS Colorful Sensor, Aptina MT9P001
Sensor Size	1/2.5 inch (5.70mm(H) × 4.28mm(V), Diagonal 7.13mm)	1/2.5 inch (5.70mm(H) × 4.28mm(V), Diagonal 7.13mm)
Maximum Resolution	2592 × 1944	2592 × 1944
Pixel size	2.2μm×2.2μm	2.2μm×2.2μm
Frame rate	5fps@2592x1944 18fps@1280x960 60fps@640x480	10fps@2592x1944 15fps@1920x1080, 1600x1200 40fps@1280x960, 1280x720, 1024x768, 800x600, 640x480
Spectral Characteristics	380-650nm	380-650nm
Dynamic range	70.1dB	70.1dB
SNR	38.1dB	38.1dB
ADC	12 bit	12 bit
Scan Mode	Line by line	Line by line
Shutter type	Electronic rolling shutter	Electronic rolling shutter
Binning Mode	1×1, 2×2, 4×4	1×1, 2×2
Exposure	0.294ms~2000ms, Automatic and manual	3.9ms - 320ms, Automatic and manual
White Balance	Automatic and manual	Automatic and manual
Software Interface	DirectShow	DirectShow
Capture Mode	<b>Picture</b> Resolution: 2592x1944, 1280x960, 640x480 Format: JPG,BMP,PNG,TIFF,PDF <b>Video</b> Resolution: 2592x1944, 1280x960, 640x480 Format: MJPG format AVI file	<b>Picture</b> Resolution: 2592x1944, 1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480 Format: JPG,BMP,PNG,TIFF,PDF <b>Video</b> Resolution: 1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480 Format: MJPG format AVI file
Image Output	USB2.0, 480Mb/s	WIFI, Micro USB interface
Operating Temperature	0°C ~ 40°C	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C	-20°C ~ 60°C
Operating Humidity	10 ~ 60%RH	10 ~ 60%RH
Storage Humidity	30 ~80%RH	30 ~80%RH
Power Supply	DC 5V, USB port	DC 5V, USB port DC5V, 2A Power adapter

Operating System	Windows 2000/ XP/ Vista/Win7/Win 8/Win 10 (32 & 64 bit)	Windows 2000/ XP/ Vista/Win7/Win 8/Win 10 (32 & 64 bit)
Computer Configuration	CPU: Equal or more than the second generation Intel Core 2.8GHz	CPU: Equal or more than the second generation Intel Core 2.8GHz
	Memory: 2G or more	Memory: 2G or more
	USB Port: USB2.0 high speed port or compatible port	USB Port: USB2.0 high speed port or compatible port Internal wireless network card
	Display: suggest 17 inches or larger	Display: suggest 17 inches or larger
Packing	Camera with USB cable, CD with software	Camera with USB cable, CD with software
<b>Optical Parameters</b>		
Optical Magnification	0.28x - 2x	
Video Eyepiece	0.4x	
Zoom Range	0.7x - 5x	
Zoom Ratio	1:7	
Working distance (mm)	105	
Focusing bracket height moving range (mm)	230	
Focusing bracket focusing range (mm)	50	
Depth of Field(mm)	0.5-10 (when in 0.7x)	
	0.5-4.5 (when in 1x)	
	0.4-0.6 (when in 2)	
	0.3 (when in 3x)	
	0.2 (when in 4x)	
	0.1 (when in 5x)	
Optical Resolution(um)	16.78 (when in 0.7x)	
	11.18 (when in 1x)	
	8.39 (when in 2x)	
	6.10 (when in 3x)	
	4.79 (when in 4x)	
	4.79 (when in 5x)	
Field of View	29.6 × 16.6mm - 2.1 × 1.2mm	
Total Magnification	13.8x~98.5x (with 17" 16:9 screen)	

[illegible]

## A close-up photograph of a green chalkboard. Several white chalk lines are drawn on the surface, forming a series of concentric, slightly irregular circular or semi-circular patterns. The lines are drawn with varying pressure, creating some darker and lighter areas. The background is the textured green surface of the chalkboard.



## BS-2000 Series Biological Microscope

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



BS-2000A



BS-2000B



BS-2000C



### 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 used in elementary schools.

### 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-2005 Biological Microscope



BS-2005M



BS-2005B

### Introduction

BS-2005 series biological microscopes are economical microscopes with basic features for educational applications in elementary and middle school. With the high quality material and optics, the microscopes can ensure you get high definition images. They are perfect for individual or classroom application. An incident illumination is available for non-transparent specimens.

### Features

1. Monocular head, 360° Rotatable, users can view from any angles.
2. Maximum magnification can be up to 2500× with optional eyepiece and objectives.
3. Battery compartment comes with the microscope, 3pcs AA battery can be used as the power supply, easy for out door work.



### Applications

BS-2005 series biological microscopes can be used for educational applications in elementary and middle schools. They also can be used as hobby for biological applications and small items identification.

## Specification

Item	Specification	BS-2005M	BS-2005B
Viewing Head	Monocular viewing head, Inclined at 45°, 360° Rotatable	●	
	Binocular viewing head, Inclined at 45°, 360° Rotatable, Interpupillary distance 54-77mm		●
Eyepiece	WF10×/16mm	●	●
	WF16×/11mm	○	○
	WF20×/9.5mm	○	○
	WF25×/6.5mm	●	●
Nosepiece	Triple Nosepiece	●	●
Objective	Achromatic Objective 4×(185)	●	●
	Achromatic Objective 10×(185)	●	●
	Achromatic Objective 40×(185)	●	●
	Achromatic Objective 60×(185) (The performance is not good, not recommend)	○	○
	Achromatic Objective 100×(185) (The performance is not good, not recommend)	○	○
Stage	Plain Stage with Slide Clips 95×95mm	●	●
	Plain Stage with Mechanical ruler 95×95mm/60×30mm	○	○
Focusing	Coaxial Coarse and Fine Adjustment	●	●
Condenser	Single Lens NA 0.65 with Disc Diaphragm	●	●
Illumination	0.1W LED Illumination, Brightness Adjustable	●	●
Spare Parts	Dust Cover	●	●
Power Supply	AC100-220V power adapter, microscope input voltage DC5V	●	●
	Battery compartment (can use 3pcs AA batteries as the power supply)	●	●
Package	Styrofoam & Carton, Dimension 28×19×40 cm, 3kg	●	●

Note: ● Standard Outfit, ○ Optional

## Sample Images



### 3. 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.

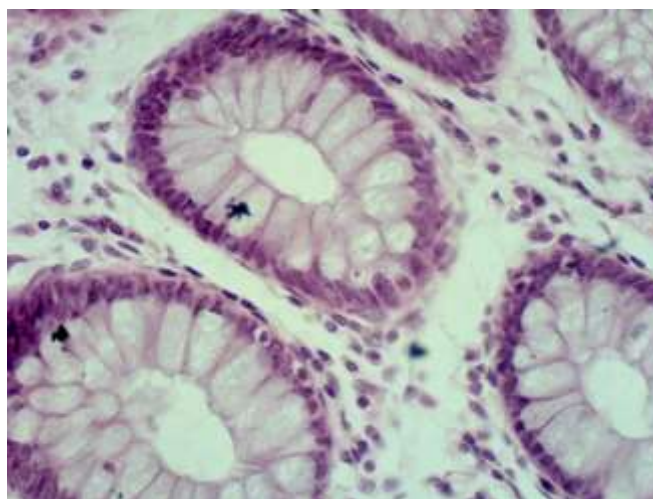
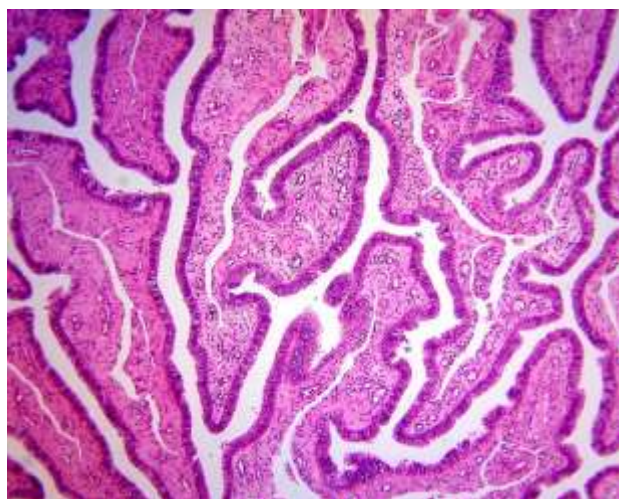
#### Specifications

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				●
Eyepiece	WF10×/18mm	●	●	●	●
	WF5×/20mm, WF16×/11mm, WF25×/8mm	○	○	○	○
	WF10×/18mm with Pointer	○	○	○	○

Nosepiece	Triple Nosepiece	●	●	●	
	Quadruple Nosepiece				●
Objective	Achromatic Objective 4x, 10x, 40x(S)	●	●	●	●
	Achromatic Objective 20x, 60x	○	○	○	○
	Achromatic Objective 100x	○	○	○	●
Stage	Plain Stage with Slide Clips 110x120mm	●			
	Plain Stage with Attachable Mechanical ruler 110x120mm/ 60x30mm		●		
	Double Layers Mechanical Stage 110x120mm/ 70x20mm			●	●
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	1W LED Illumination, Brightness Adjustable	●	●	●	●
	Mirror	○	○	○	○
Spare Parts	Dust Cover	●	●	●	●
Package	Styrofoam & Carton, Dimension 28x20x40 cm, 4kg	●	●	●	●
	Wooden Case & Carton, Aluminum Case & Carton	○	○	○	○
Power Supply	AC100-220V power adapter, microscope input voltage 5V	●	●	●	●

Note: ● Standard Outfit, ○ Optional

## Sample Images



#### 4. 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 preview, take photos, videos and do measurement. 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 7/8/10 32bit & 64 bit Operation System.
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 digital microscopes are primarily designed for school students to do image analysis and distant sharing. The microscopes also provide a superior cost effective solution for computer interactive laboratory, clinical environments and individuals as hobby etc.

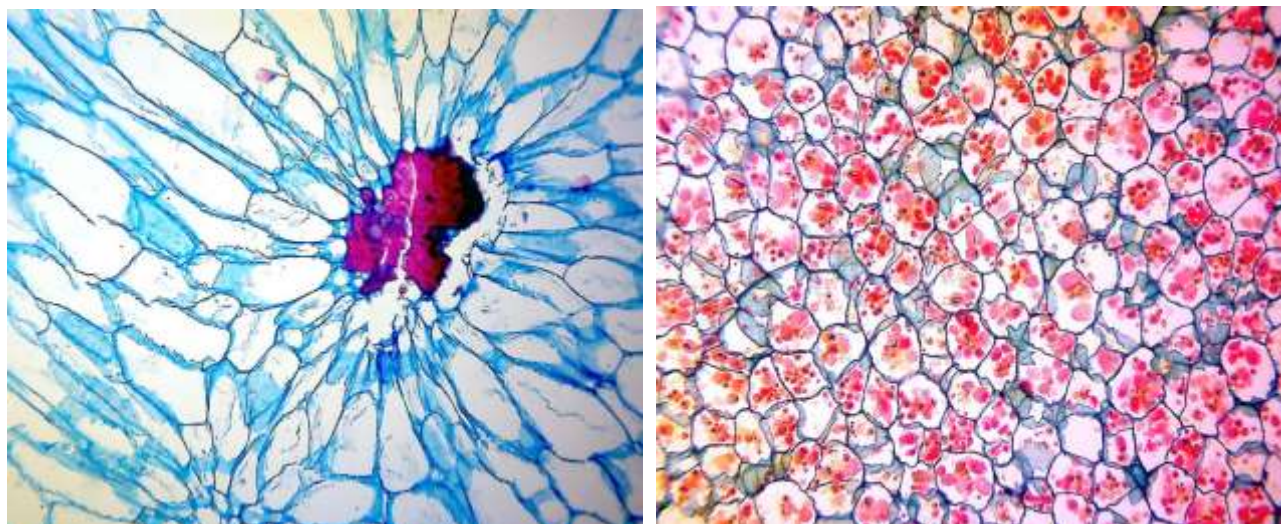


## Specification

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 7/8/10	●	●
	Software: ScopeImage 9.0	●	●
Eyepiece	Wide Field Eyepiece: WF10×/18mm	●	●
	WF5×/20mm, WF16×/11mm, WF25×/8mm	○	○
Objective	Achromatic Objective: 4×, 10×, 40×(S), 100×(S, Oil)	●	●
	Achromatic Objective: 20×, 60×	○	○
Stage	Double Layers Mechanical Stage: 110×120mm, 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	1W LED illumination, brightness adjustable	●	●
Accessories	Operation manual, dust cover, AC adapter and USB cable	●	●
Package	1pc/carton, 28cm×22cm×40cm, 5kg	●	●

Note: ● Standard Outfit, ○ Optional

## Sample Image



## 5. 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

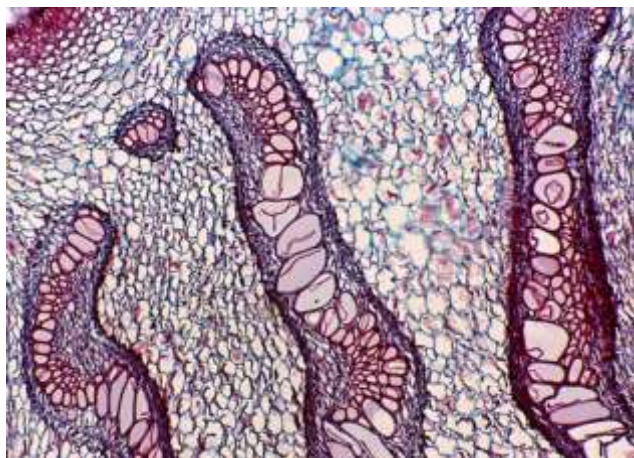
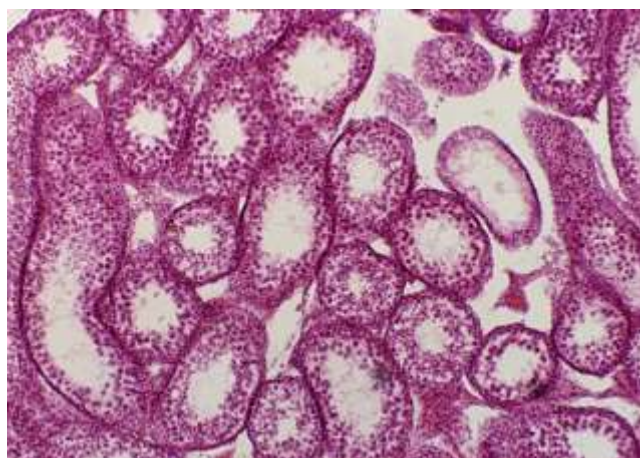
Item	Specification	BS-2020M	BS-2020B	BS-2020T
Viewing Head	Monocular Head, Inclined at 30°, 360° Rotatable	•		
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm		•	
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 55-75mm			•
Eyepiece	WF10×/18mm	•	•	•
	WF16×/11mm	○	○	○



	WF25x/8mm	○	○	○
Objective	Achromatic Objective 4x, 10x, 40x, 100x(Oil)	●	●	●
	Achromatic Objective 20x, 60x	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
Stage	Double Layer Mechanical Stage 132x142mm/ 75x40mm	●	●	●
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	1W S-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



## 6. BS-2020MD/BD 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 preview, take photos, 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 7/8/10 32&64bit Operation System.
4. Support Multi-language (Arabic, Chinese, English, French, German, Japanese, Polish and etc.).
5. Compact and flexible, ideally suited for desktop, laboratory worktable.

### Application

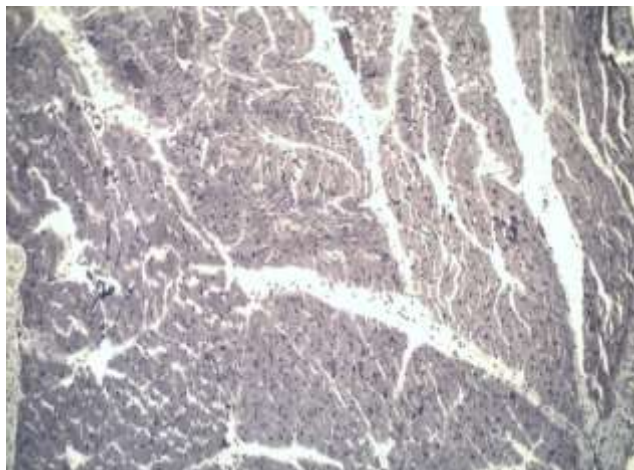
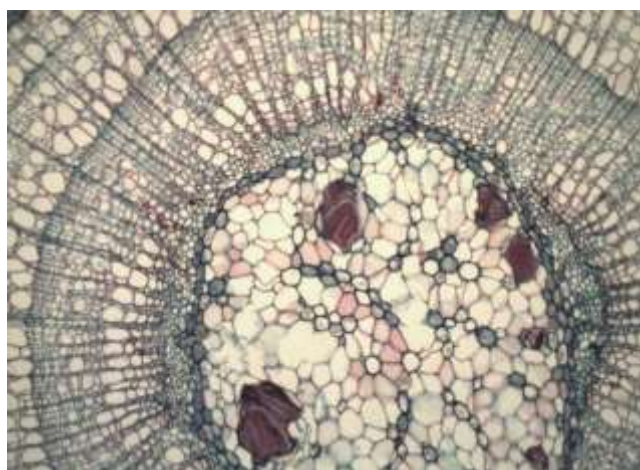
These microscopes are ideally suited for school biological education and medical analyses area. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

## 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×/18mm		●	●
	WF16×/11mm, WF25×/8mm		○	○
Nosepiece	Backward Quadruple Nosepiece		●	●
Objective	Achromatic Objective 4×, 10×, 40×, 100×		●	●
	Achromatic Objective 20×, 60×		○	○
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 32.7mm per Rotation, Fine Stroke 0.4mm per Rotation, Moving Range 24mm		●	●
Illumination	1W S-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



## 7. BS-2022 Biological Microscope



BS-2022B



BS-2022T



BS-2022BD

### 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;
2. Comfortable operation with updated and ergonomic design;
3. LED light illumination, save energy and long working life;
4. Compact and flexible, ideally suited for desktop, laboratory worktable;
5. 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

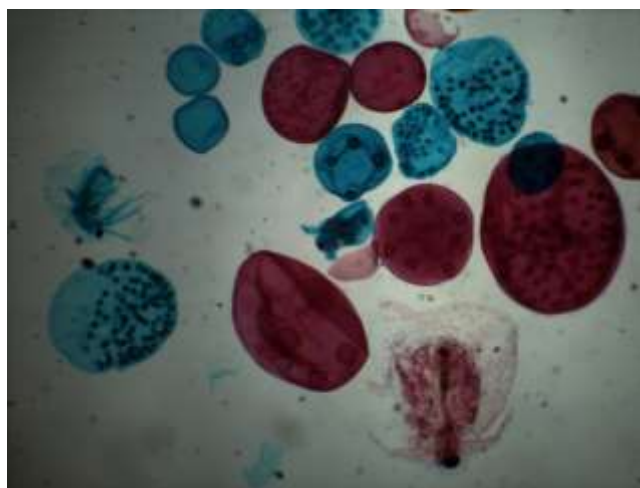
Item	Specification	BS-2022M	BS-2022B	BS-2022T	BS-2022BD
Viewing Head	Seidentopf Monocular Head, Inclined at 30°, 360° Rotatable	•			
	Seidentopf Binocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm,		•		
	Seidentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm			•	
	Seidentopf Binocular Head with 3.2MP digital camera, Inclined at 30°, 360° Rotatable, Interpupillary Distance				•



	48-75mm, the software is ScopeImage 9.0				
Eyepiece	WF10×/18mm	●	●	●	●
	WF16×/11mm	○	○	○	○
Objective	Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●	●	●
	Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)	○	○	○	○
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 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	1W S-LED illumination, Brightness Adjustable	●	●	●	●
	12V/ 20W Halogen Lamp, Brightness Adjustable	○	○	○	○
	Kohler illumination	○	○	○	○
Optional Accessories	Phase Contrast Kit	○	○	○	○
	Dark Field Attachment	○	○	○	○
	Polarization Attachment	○	○	○	○
	Rechargeable battery	○	○	○	○
	Photo Adapter: used for Nikon or Canon DSLR camera	○	○	○	○
	Video Adapter: 1X or 0.5X C-mount adapter	○	○	○	○
Package	1pc/carton, 32cm*26cm*44cm, 6kg	●	●	●	●

Note: ● Standard Outfit, ○ Optional

## Sample Images



## 8. BS-2023 Biological Microscope



BS-2023B



BS-2023T

### Introduction

BS-2023 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. Infinite optical system.
2. 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

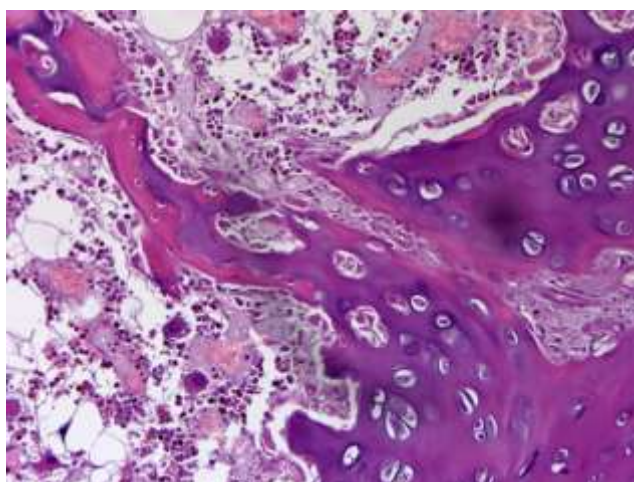
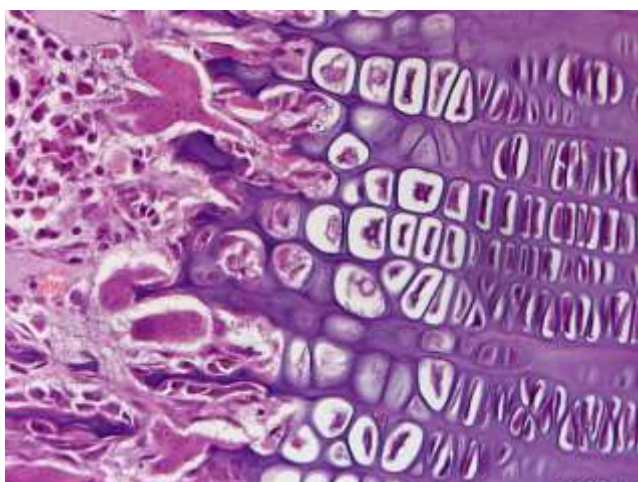
BS-2023 series microscopes are ideally suited for school biological education and medical analyses area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs and scientific research department.

## Specification

Item	Specification	BS-2023B	BS-2023T
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		●
Eyepiece	WF10×/18mm	●	●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)	●	●
	Infinite Plan Achromatic Objective 20×, 60×	○	○
Nosepiece	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	●	●
Illumination	1W S-LED illumination, Brightness Adjustable	●	●
	12V/ 20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler illumination	○	○
Optional Accessories	Phase Contrast Kit	○	○
	Dark Field Condenser	○	○
	Polarization Attachment	○	○
	Rechargeable battery	○	○
	Photo adapter for Nikon or Canon DSLR camera	○	○
	Video adapter: 1X or 0.5X C-mount adapter	○	○
Package	1pc/carton, 32cm*26cm*44cm, 6kg	●	●

Note: ● Standard Outfit, ○ Optional

## Sample Images





## 9. 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 / Win 10 / 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.

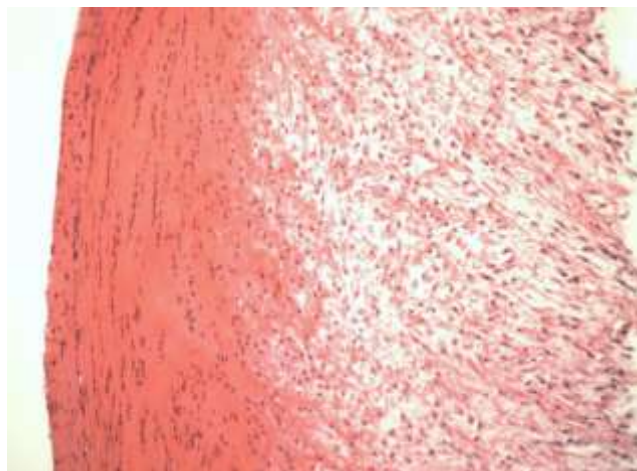
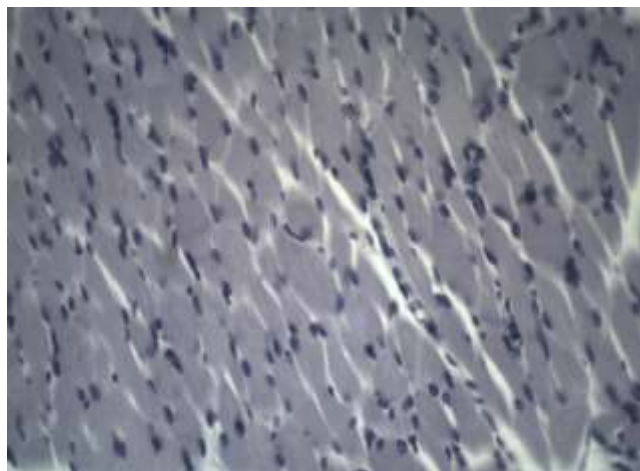
### Specification

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 WF10x/ 18mm	●	●	●	●
	Wide Field Eyepiece WF16x/ 11mm	○	○	○	○
Nosepiece	Quadruple Nosepiece	●	●	●	●
	Quintuple Nosepiece	○	○	○	○
Objective	Achromatic Objective 4x, 10x, 40x, 100x	●	●	●	●
	Achromatic Objective 20x, 60x	○	○	○	○
	Semi-Plan Achromatic Objective 4x, 10x, 20x, 40x, 60x, 100x	○	○	○	○
	Plan Achromatic Objective 4x, 10x, 20x, 40x, 60x, 100x	○	○	○	○
Total magnifications	With 10x eyepiece: 40x, 100x, 400x, 1000x	●	●	●	●
	With 16x eyepiece: 64x, 160x, 640x, 1600x	○	○	○	○
Stage	Double Layer Mechanical Stage 140x140mm/ 75x50mm	●	●	●	●
	Left hand operation Double Layer Mechanical Stage 140x140mm/ 75x50mm	○	○	○	○
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	1W S-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, 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, 33cmx28cmx44cmx, 7kg	●	●	●	●

Note: ●Standard Outfit, ○ Optional

**Sample Image**



## 10. 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.

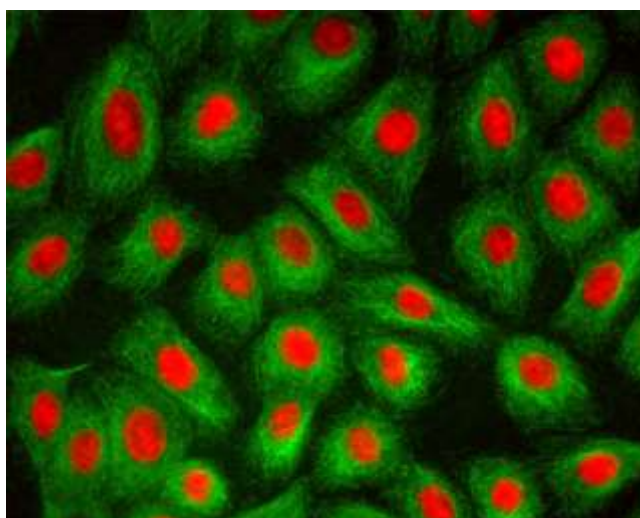
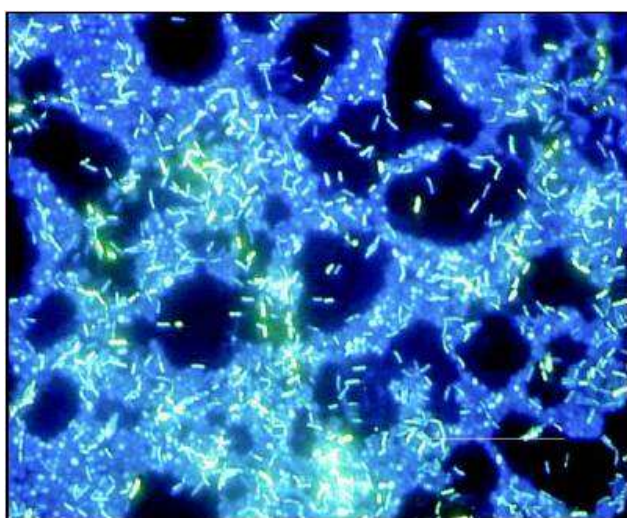
### Specification

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×/18mm, Eyepiece Tube Diameter 23.2mm	●	●
	Wide Field Eyepiece WF16×/11mm	○	○

Objective	Achromatic Objective 4x, 10x, 40x, 100x				●	●
	Fluorescent Achromatic Objective 4x, 10x, 40x, 100x				●	●
	Achromatic Objective 20x, 60x				○	○
	Plan Achromatic Objective 4x,10x,20x,40x, 60x, 100x				○	○
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 140x140mm, Cross Travel 75x50mm, 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	○	○
Lamp	100W HBO Ultra Hi-voltage Spherical Mercury Lamp				●	●
	Power box NFP-1, 220V/ 110V Interchangeable, Digital Display				●	●
Transmitted Illumination	1W S-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





## 11. BS-2035 Biological Microscope



BS-2035B



BS-2035T

### Introduction

BS-2035 series microscopes are classical biological microscopes, which feature ingenious stand, backward nosepiece and flexible structure. Nice shape, excellent optical system and flexible outfit make you enjoy the job.

### Feature

1. Convenient and Comfortable Observing with High Point and Wide Field Eyepiece EW10 $\times$ / 20mm.
2. Sharp and Bright Image with Semi-plan Objectives.
3. Suitable for Different Region Power, supply with 100V-240V wide range input voltage.

### 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 for biological, pathological, bacterial, histological, immune and genetic applications.

### 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 $\times$ / 20mm	●	●
	Wide Field Eyepiece P16 $\times$ / 11mm	○	○
Objective	Semi-plan Achromatic Objective 4 $\times$ , 10 $\times$ , 40 $\times$ , 100 $\times$	●	●
	Plan Achromatic Objective 4 $\times$ , 10 $\times$ , 20 $\times$ , 40 $\times$ , 60 $\times$ , 100 $\times$	○	○
	Infinite Plan Achromatic Objective 4 $\times$ , 10 $\times$ , 20 $\times$ , 40 $\times$ , 60 $\times$ , 100 $\times$	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Stage	Double Layers Mechanical Stage 140 $\times$ 140mm/ 75 $\times$ 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	1W S-LED Illumination, Brightness Adjustable	●	●
	6V/ 20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler Illumination	○	○
Photo Adapter	Used to connect Nikon or Olympus DSLR camera to microscope		○
Video Adapter	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

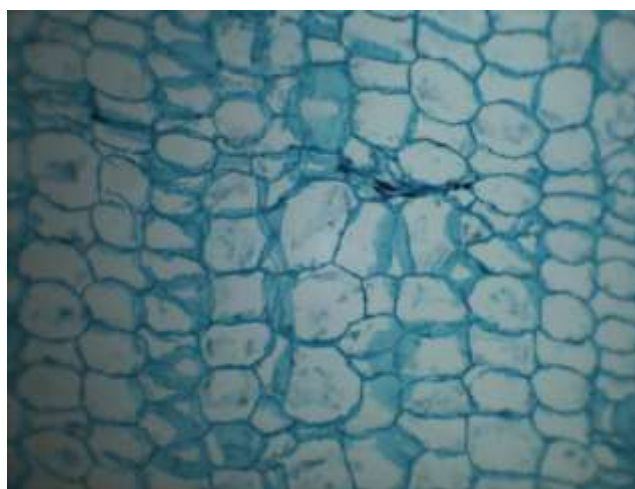
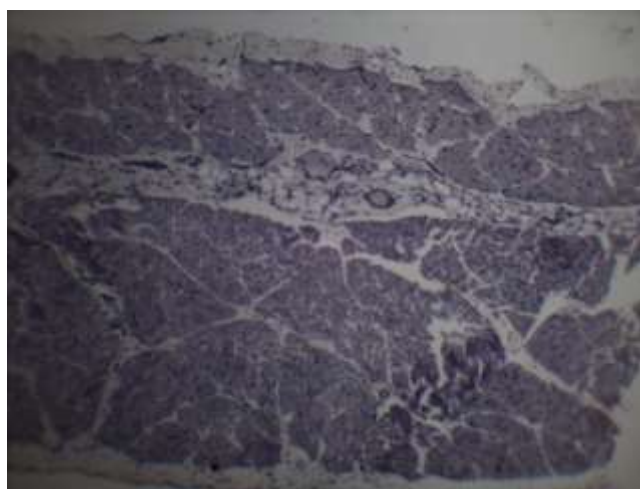


Turret Phase Contrast Kit



Dry, Oil Dark Field Condenser

## Sample Image





## 12. 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.

### Feature

1. With built-in 1.3MP digital camera, 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 hospitals, clinics, medical academies, morphology and related research centers for biological, pathological, bacterial, histological, immune, pharmacological and genetic applications.

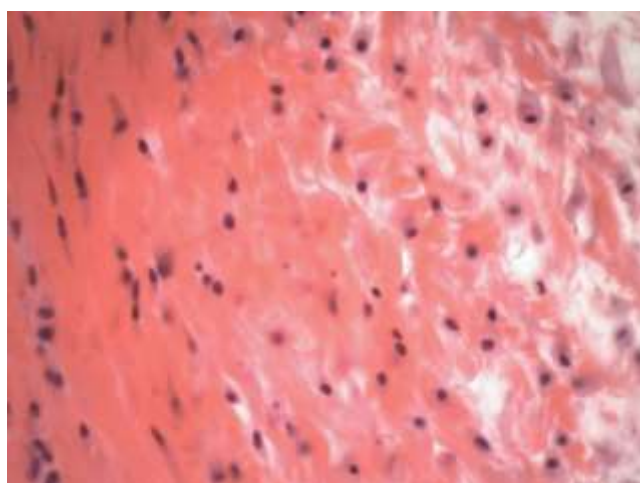
### Specification

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	Extra Wide Field EW10/20mm	●	●
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○

Objective	Semi-plan Achromatic Objective 4x, 10x, 40x, 100x	●	●
	Plan Achromatic Objective 4x, 10x, 20x, 40x, 60x, 100x	○	○
	Infinite Plan Achromatic Objective 4x, 10x, 20x, 40x, 60x, 100x	○	○
Condenser	NA1.25 Abbe Condenser with iris diaphragm and filter, rack & pinion adjustment	●	●
Stage	Double Layers Mechanical Stage 140x140mm/ 75x50mm	●	●
Illumination	1W S-LED Illumination, Brightness Adjustable	●	●
	6V/20W Halogen Lamp, 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	ScopeImage 9.0	●	●

Note: ●Standard Outfit, ○Optional

## Sample Image



### 13. BS-2036 Biological Microscope



BS-2036A/B/C/D



BS-2036AT/BT/CT/DT

#### Introduction

BS-2036 series microscopes are middle level microscopes which are specially designed for college education, medical and laboratory study. They adopt high quality 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 work 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. White color is standard, blue color is optional for lively environment and happy mood.
  5. Back handle and observing hole convenient for carry and operation.
  6. Various accessories for upgrading.
- (1) Wire winding device convenient for carry and storage (optional).



- (2) Phase contrast unit, Independent phase contrast unit (optional, apply to infinite optical system).



(3) Simple polarizing unit with polarizer and analyzer (optional).



(4) Dry / Oil Dark Field Condenser (optional).



Dry DF Condenser



Oil DF Condenser

(5) Mirror(optional).



(6) Fluorescent attachment(optional, with LED or mercury light source)



BS-2036FB(LED)

BS-2036FB

## 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

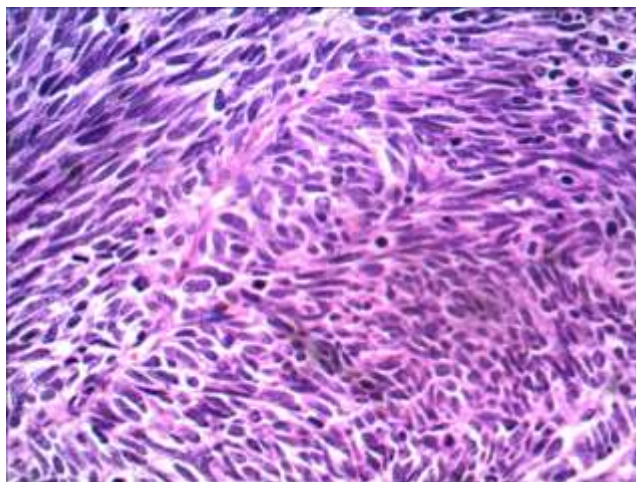
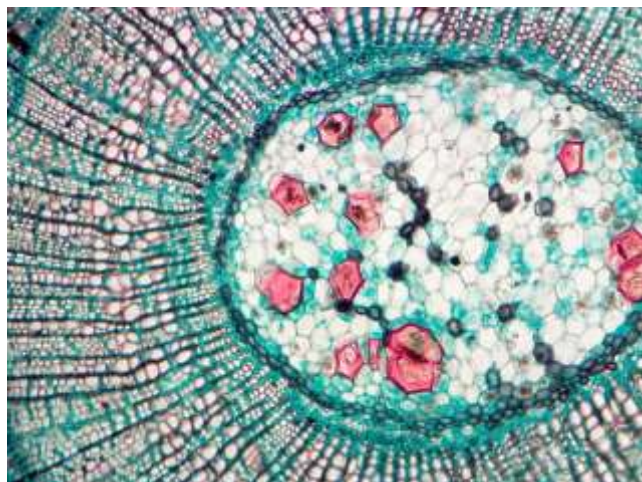
Item	Specification	BS-2036A	BS-2036B	BS-2036C	BS-2036D
Optical System	Finite Optical System	●	●		
	Infinite Optical System			●	●
Viewing Head	Seidentopf Binocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●	●	●	●
	Seidentopf Trinocular Viewing Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm, Light Distribution: 20:80 (eyepiece: trinocular tube)	○	○	○	○
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)		○		
Infinite Achromatic Objective	E-Plan 4×, 10×, 40× (S), 100× (Oil) (S)			●	
	Plan 4×, 10×, 40× (S), 100× (Oil) (S)			○	●
	Plan 20×, 60× (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, Scale 0.1mm, Two Slide Holder	●	●	●	●
	Rackless Double Layers Mechanical Stage, Size: 140×135mm, Cross Travel 75×35mm, Scale 0.1mm, Two Slide Holder	○	○	○	○
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm	●	●	●	●
Illumination	3W LED Illumination Systems, Brightness Adjustable	●	●	●	●
	6V/20W Halogen Lamp, Brightness Adjustable	○	○	○	○
	6V/30W Halogen Lamp, Brightness Adjustable	○	○	○	○
Field Diaphragm		○	○	○	○
Dark Field Condenser	N.A.0.9 (Dry) Dark Field Condenser(For 10×-40× objective)	○	○	○	○
	N.A.1.3 (Oil) Dark Field Condenser(For 100× objective)	○	○	○	○
Polarizing Set	Analyzer and Polarizer	○	○	○	○
Phase contrast unit	With Infinite Plan Objectives 10× /20× /40× /100×			○	○
Fluorescence Attachment	Epi-fluorescence unit ( six-hole disc media which can be fixed with Uv /V/B/G and another filters) ,100W mercury lamp.			○	○
	Epi fluorescence unit ( six-hole disc media which can be fixed with Uv /V/B/G), 3W LED fluorescence 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	○	○	○	○
Rechargeable Battery	3pcs AA rechargeable Nickel-metal hydride battery	○	○	○	○
Package	1pc/carton, 42cm*28cm*45cm, Gross Weight 8kg, Net Weight 6.5kg	○	○	○	○

Note: ●Standard Outfit, ○Optional

**Sample Images**



## 14. 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. It has 6 turret positions for filter cubes, more filter cubes can be used together.

### Features

1. Excellent fluorescent image with infinite optical system.
2. LED illumination with 50,000 hours life span.
3. Convenient to use, no need warm-up.
4. No need for cooling due to LED cold light source.
5. 6 positions for filter cubes.

### Application

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

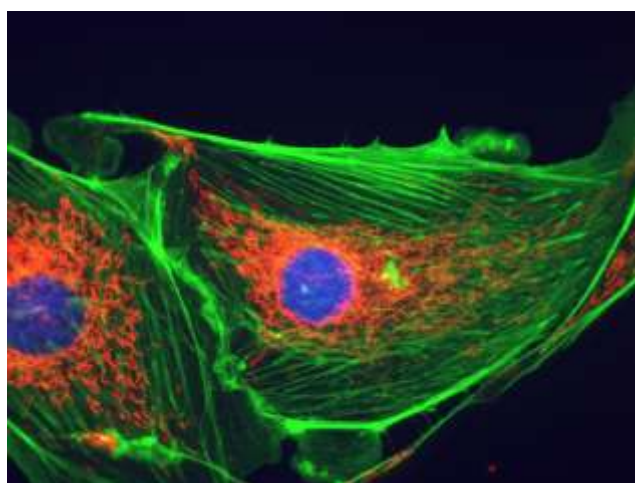
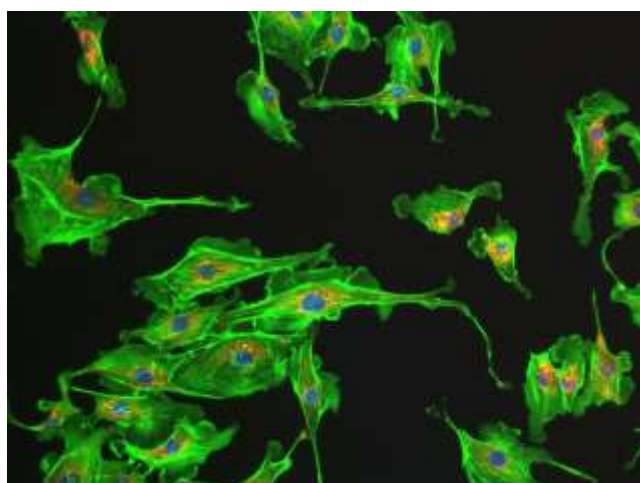
### Specifications

Item	Specification	BS-2036 FB(LED)	BS-2036 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, Light Distribution: 20:80 (eyepiece: trinocular tube)		•

Eyepiece	WF10×/20mm				●	●
	WF16×/13mm				○	○
	Reticule Eyepiece WF10×/20mm (0.1mm)				○	○
Objective	Infinite E-Plan Achromatic Objective 4×, 10×, 40×, 100×(Oil)				●	●
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 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	Stage Size: 145×140mm, Cross Travel 76×52mm, Two Slide Holder				●	●
	Rackless Double Layers Mechanical Stage, Size: 140×135mm, Cross Travel 75×35mm, Scale 0.1mm, Two Slide Holder				○	○
Condenser	Abbe Condenser NA1.25 with Iris Diaphragm				●	●
Transmitted Illumination	3W-LED Illumination Systems, Brightness Adjustable				●	●
	6V/20W Halogen Lamp, Brightness Adjustable					
	6V/30W Halogen Lamp, Brightness Adjustable				○	○
Optional Accessories	Field Diaphragm, Photo adapters(for DSLR cameras), Video adapters(1X, 0.5X), Polarization set, Phase contrast kit, filters, mirror, Cable Winding Device				○	○
Reflected Light Source		Excitation	Dichroic Mirror	Barrier Filter		
	Blue excitation	420-490	505	520	●	●
	Green excitation	500-550	575	590	●	●
	Uv excitation	330-380	400	435	○	○
	V excitation	380-420	430	460	○	○
Fluorescent Lamp	3W LED Lamp				●	●
Package	42cm*28cm*45cm, 40cm*20cm*40cm, 12kg				●	●

Note: ●Standard Outfit, ○Optional

## Sample Images



## 15. 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 $\times$ /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 / Win 10 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

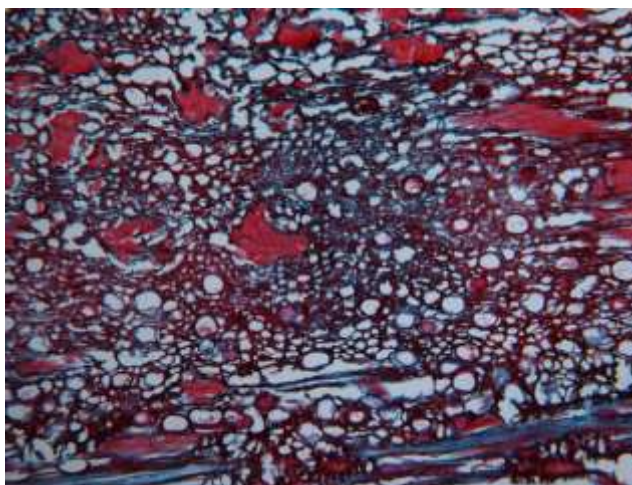
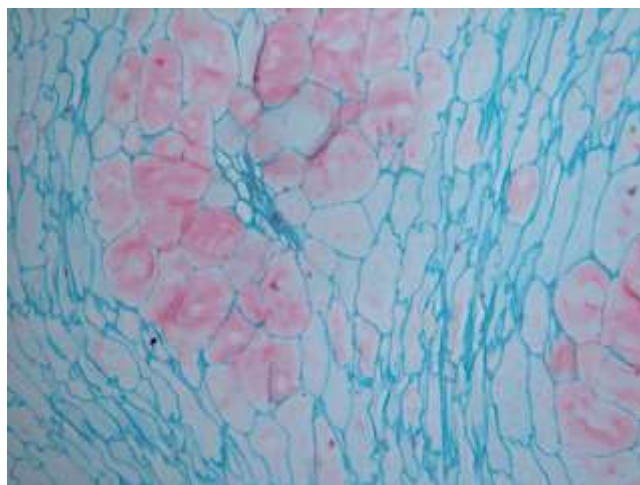
Item	Specification	BS-2040B	BS-2040T	BS-2040BD
Optical System	Infinite Optical System	•	•	•
Viewing Head	Seidentopf binocular head, 30° inclined, Interpupillary 48-75mm	•		
	Seidentopf trinocular head, 30° inclined, Interpupillary 48-75mm		•	
	Built-in 3.0MP digital camera with ScopeImage 9.0 Software; Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm			•
Eyepiece	Wide Field Eyepiece WF 10 $\times$ /18mm	•	•	•
	Extra Wide Field Eyepiece EW10 $\times$ /20 with Diopter Adjustment	○	○	○



Objective	Infinite Semi-plan Achromatic Objectives 4x, 10x, 40x, 100x	●	●	●
	Infinite Plan Achromatic Objectives 2x, 4x, 10x, 20x, 40x, 60x, 100x	○	○	○
Nosepiece	Backward Quadruple Nosepiece	●	●	●
	Backward Quintuple Nosepiece	○	○	○
Stage	Double Layers Mechanical Stage 140mm×140mm/ 75mm×50mm	●	●	●
	Left hand operation 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	1W S-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



## 16. 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

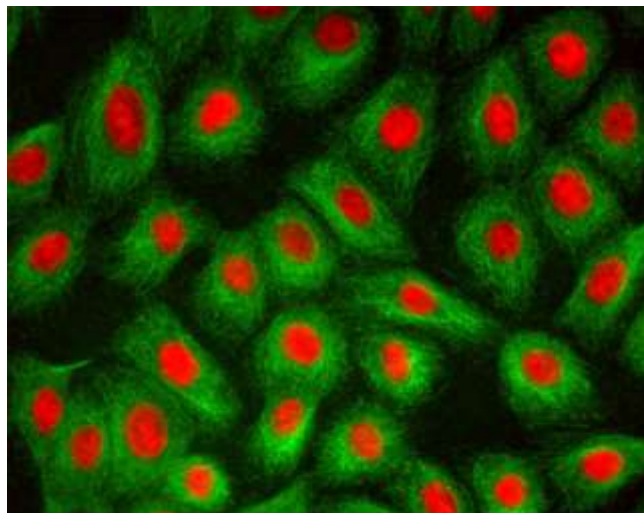
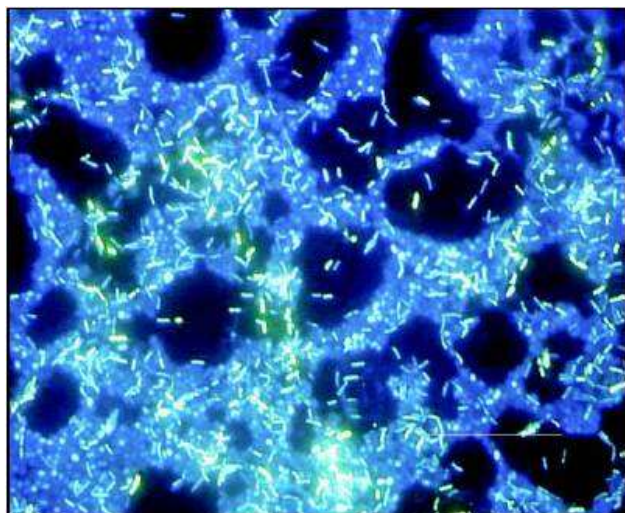
BS-2040F(LED) LED Fluorescence microscopes are used to study the absorbing, transportation, chemicals distribution and positioning in cells. They are widely used in laboratories, clinics, hospitals, medical colleagues and universities for disease examination, immune diagnosis and life science research.

## 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×/18mm				●	●
Nosepiece	Backward Quadruple Nosepiece				●	●
	Backward Quintuple 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



## 17. BS-2052 Biological Microscope



BS-2052A



BS-2052A(ECO)



BS-2052B



BS-2052BT(ECO)

### Introduction

BS-2052 series microscopes are classical biological microscopes with ingenious stand, high definition optical system, sharp image and comfortable operation, which make your work much enjoyable.

### Feature

1. High contrast and sharp image with high quality optical system.
2. Low environment requirement with Anti-mould technology.
3. Comfortable operation with low position coarse and fine adjustment knobs.
4. ECO function is optional, automatically turn off after 15 mins of no use.
5. With cord rest on the back, making the working table clean and tidy.



### Application

BS-2052 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.

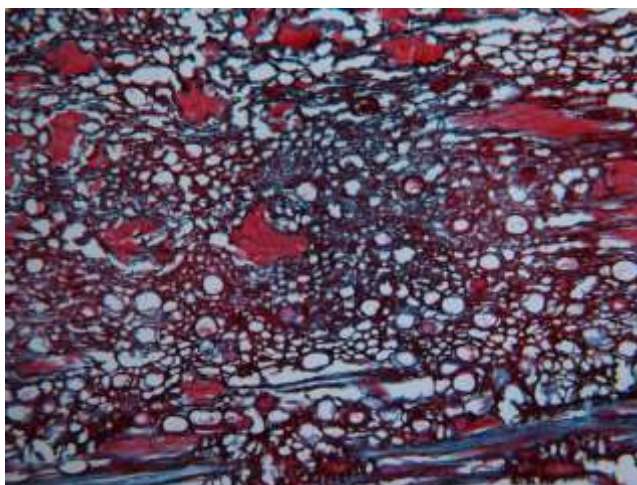
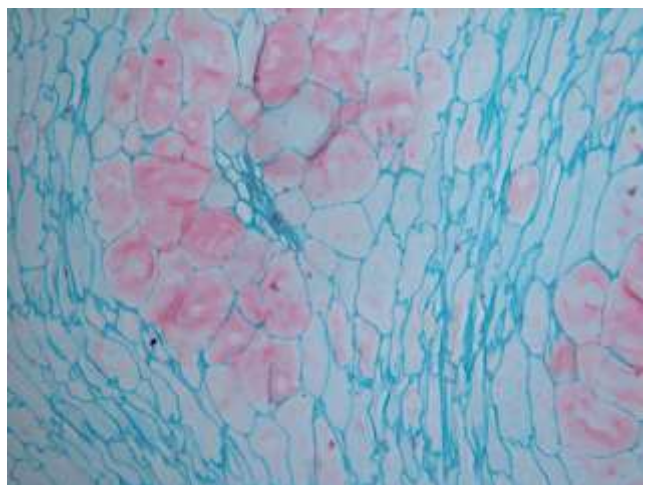
## Specification

Item	Specification	BS-2052A	BS-2052B
Optical System	Finite Optical System	●	
	Infinite Optical System		●
Eyepiece	WF10x/18mm	●	
	WF10x/20mm		●
Viewing Head	Monocular Head, inclined at 30°	○	
	Seidentopf Binocular Head, inclined at 30°, Interpupillary 47-78mm	●	●
	Seidentopf Trinocular Head, inclined at 30°, Interpupillary 47-78mm	○	○
	Digital Binocular Head with built-in camera, Inclined at 30°, Interpupillary Distance 47-78mm, 5.0MP, Support Wifi	○	○
	Digital Binocular Head with Tablet camera, Inclined at 30°, Interpupillary Distance 47-78mm, 5.0MP, 8" LCD, Android OS	○	○
Objective	Finite Achromatic Objectives 4x, 10x, 40x, 100x	●	
	Finite Achromatic Objectives 20x, 60x	○	
	Finite Semi-Plan Achromatic Objectives 2x, 4x, 10x, 20x, 40x, 60x, 100x	○	
	Finite Plan Achromatic Objectives 4x, 10x, 20x, 40x, 60x, 100x	○	
	Infinite Semi-Plan Achromatic Objectives 4x, 10x, 40x, 100x		●
	Infinite Plan Achromatic Objectives 2x, 4x, 10x, 20x, 40x, 60x, 100x		○
	Infinite Plan Fluorescent Objective 4x, 10x, 20x, 40x, 100x		○
Nosepiece	Backward Quadruple Nosepiece	●	●
	Backward Quintuple Nosepiece	○	○
Stage	Double Layers Mechanical Stage 140mmx140mm, Moving Range 75mmx50mm	●	
	Rackless Double Layers Mechanical Stage 150mmx139mm, Moving Range 75mmx52mm		●
Condenser	Abbe Condenser NA1.25	●	●
	Dark Field Condenser (Dry / Oil)	○	○
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range 25mm	●	●
Illumination	S-LED Illumination, Brightness Adjustable	●	●
	S-LED Illumination with Rechargeable Battery, Brightness Adjustable	○	○
	6V/20W Halogen Lamp, Brightness Adjustable	○	○
	Kohler Illumination	○	○
	ECO Function, automatically turn off after 15 mins of no use	○	○
	Plane-concave Mirror	○	○
Optional accessories	Phase Contrast Kit	○	○
	Polarizing Set	○	○
	FL-LED Epi-fluorescent Attachment		○
Package	1pc/carton, 36*26*46mm, gross weight: 8kg	●	●

Note: ● Standard Outfit, ○ Optional



**Sample Image**



## 18. BS-2063 Biological Microscope



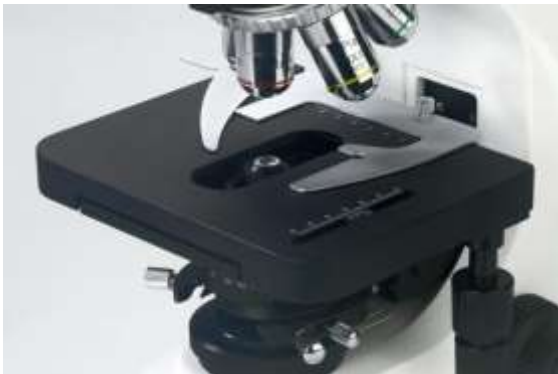
BS-2063T

### Introduction

BS-2063 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. Wide field 10×/Φ22mm eyepiece, more comfortable for observation..
3. 100X water objective is available for convenient viewing.
4. Trinocular head with light distribution 100:0 (100% for eyepiece) and 80:20(80% for trinocular head and 20% for eyepiece).
5. Rackless stage is is safer than traditional stage.



6. Various accessories for upgrading.

(1) Quintuple turret phase contrast unit with 10X/20X/40X/100X infinite plan phase contrast objective for phase contrast and bright field observation.



(2) N.A.0.9/0.13 Swing-out Condenser

Dark field condenser (dry) available to 4X-40X Objective

Dark field condenser (oil) available to 100X Objective



(3) Infinite Plan Objectives



(4) Mercury and LED fluorescent attachment with six-holes disk fluorescence unit, More fluorescence filters can be supplied.



(5) Simple polarizing unit with polarizer and analyzer.



## Application

BS-2063 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.

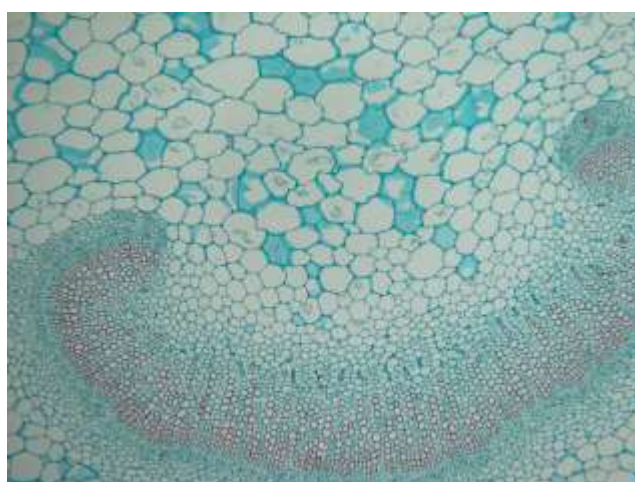
## Specification

Item	Specification	BS-2063B	BS-2063T
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm	●	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Light distribution (both): 100: 0 (100% for eyepiece) 80:20(80% for trinocular head and 20% for eyepiece)		●
Eyepiece	WF10×/22mm (Diopter adjustable), tube diameter: 30mm	●	●
	WF15×/16mm (Diopter adjustable)	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective	4×/0.10, W.D.=12.10mm	●	●
	10×/0.25, W.D.=4.64mm	●	●
	20×/0.40(S), W.D.=2.41mm	●	●
	40×/0.65 (S), W.D.=0.65mm	●	●
	100×/1.25(S, Oil), W.D.=0.12mm	●	●
	2.5×/0.07 W.D.=8.47mm	○	○
	60×/0.80(S) W.D.=0.33mm	○	○
	100×/1.15(S, Water) W.D.=0.19mm	○	○
Nosepiece	Backward Quintuple Nosepiece	●	●

Stage	Rackless Double Layers Mechanical stage, Size: 182mm×140mm, Travel Range: 77mm×52mm, Scale: 0.1mm, Two Slide Holder	●	●
Condenser	Swing out condenser N.A.0.9/0.13, with iris diaphragm	●	●
Focusing	Coaxial Coarse and Fine Focusing Knob, Coarse Focusing Travel Range: 25mm, Coarse Stroke 42.4mm/rotation, Fine Stroke 0.2mm/Rotation, Fine division: 2μm	●	●
Koehler Illumination	6V/30W Halogen Lamp with Field Diaphragm, Brightness Adjustable	●	●
	3W LED Illumination with Field Diaphragm, Brightness Adjustable	○	○
Dark Field Unit	Dark field condenser (Dry), apply to 4×- 40× objective	○	○
	Dark Field Condenser (Oil), apply to 100× objective	○	○
Polarizing Unit	Analyzer and Polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10×/20×/40×/100× phase contrast objective	○	○
	Independent slot with 10×/20×/40×/100× phase contrast objective	○	○
Fluorescent Attachment	100W Mercury Epi-Fluorescence unit (Six-hole disc, Uv/V/B/G and another filters)	○	○
	3W LED Epi-Fluorescence unit (Six-hole disc, Uv/V/B/G and another filters)	○	○
Video Adapter	1× C-mount (Used for DSLR cameras or large format microscope camera)		○
	0.5× C-mount (focus adjustable, used for microscope camera)		●
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue	●	●
	Green/ Amber/Grey	○	○
Power Supply	Wide voltage input: 100V~240V	●	●
Packing	1 carton/set, Packing Size: 565mm × 310mm × 410mm, Gross Weight: 12 kgs, Net Weight: 10 kgs	●	●

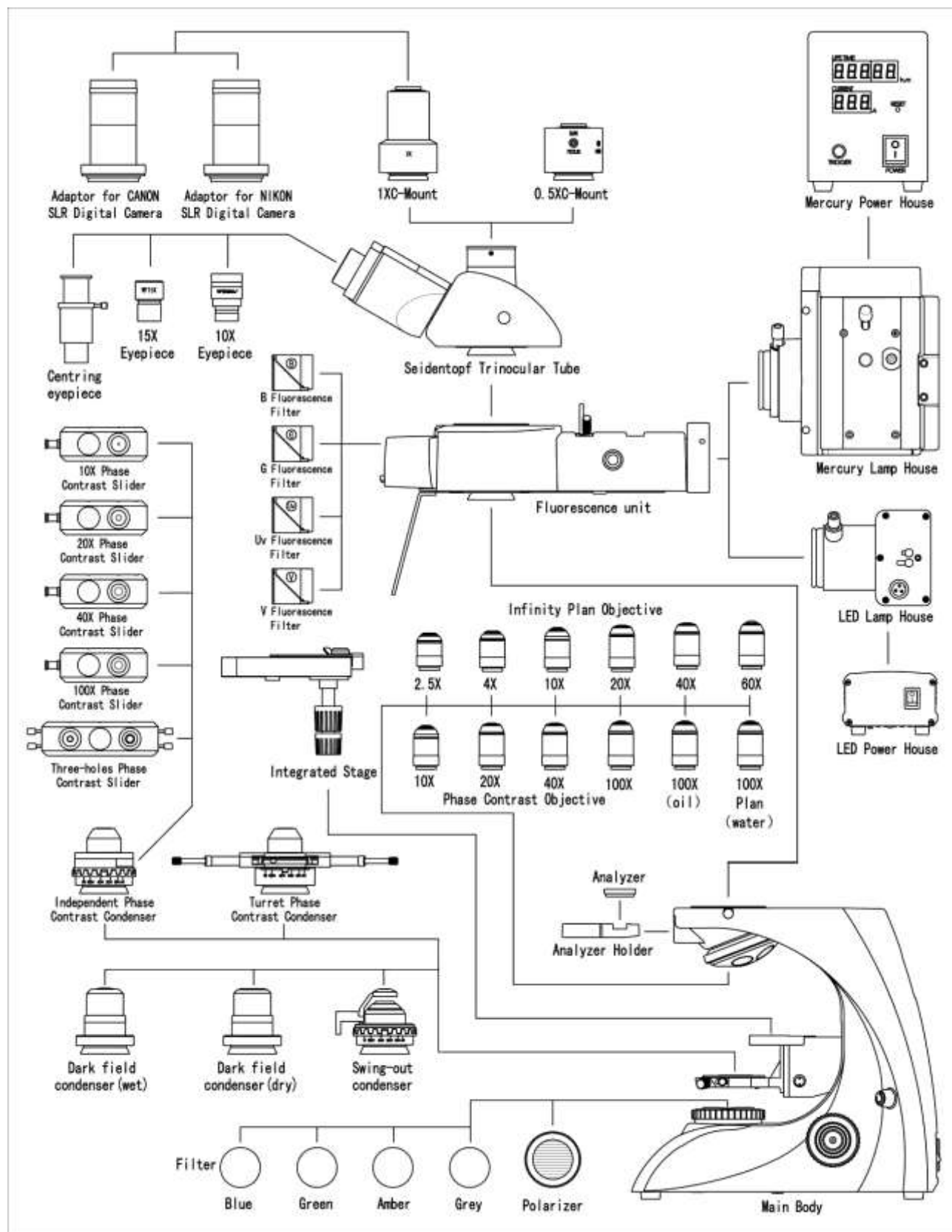
Note: ●Standard Outfit, ○Optional

## Sample Image

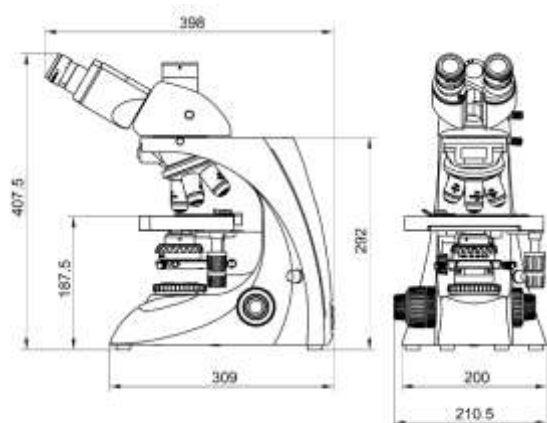




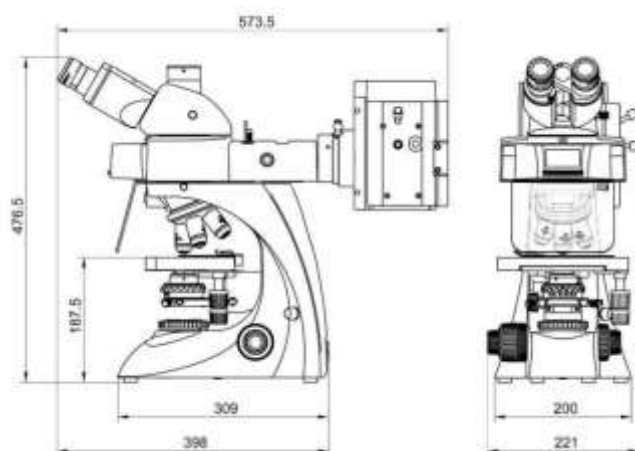
## System Diagram



## Dimension



BS-2063T Dimension



BS-2063FT Dimension

## 19. BS-2070 Biological Microscope



BS-2070B



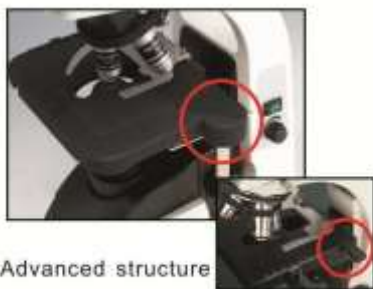
BS-2070T

### 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

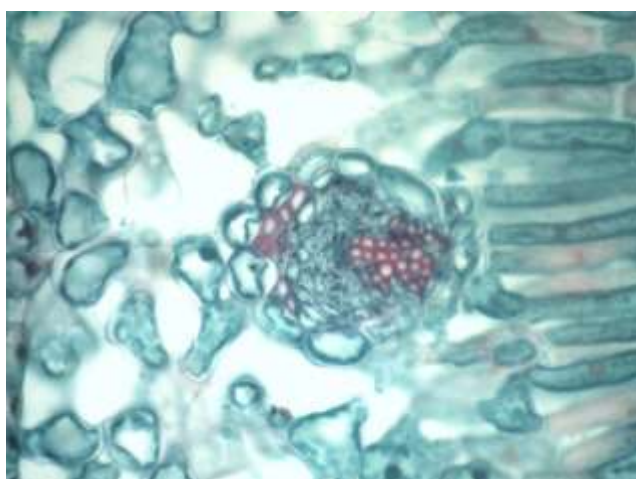
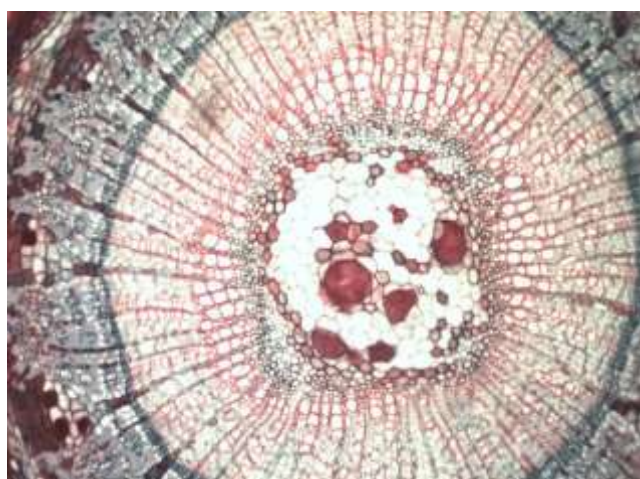
BS-2070 series microscopes are ideal instruments in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

## 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×/20mm	●	●
	WF15×/16mm	○	○
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 230×150mm, Cross Travel 78×54mm, Low-positioned X/Y Coaxial Control Knob, Can hold two slides	●	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm	●	●
Illumination	12V/20W Halogen Lamp, Brightness Adjustable	●	●
	1W S-LED illumination, 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



## 20. 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.

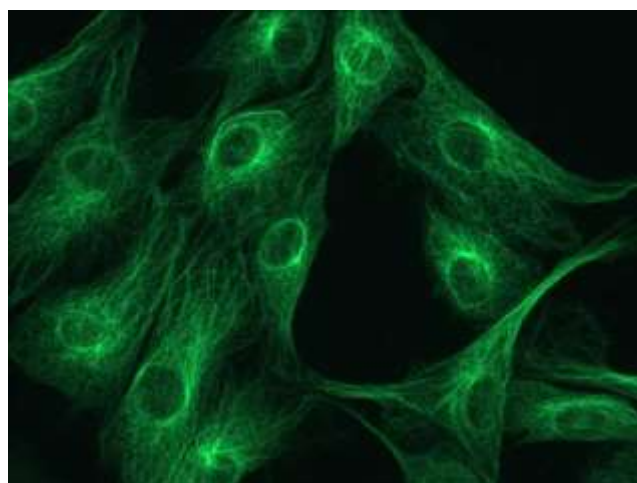
### Specification

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×/20mm				●	●
	WF15×/16mm				○	○
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 230×150mm, 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				●	●
	1W S-LED illumination, brightness adjustable				○	○
Optional Accessories	Photo attachment, Video attachment, Polarization set, Phase contrast kit, Kohler Illumination				○	○
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





## 21. BS-2072 Biological Microscope



BS-2072B



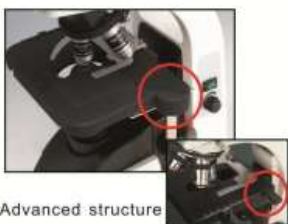
BS-2072T

### 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

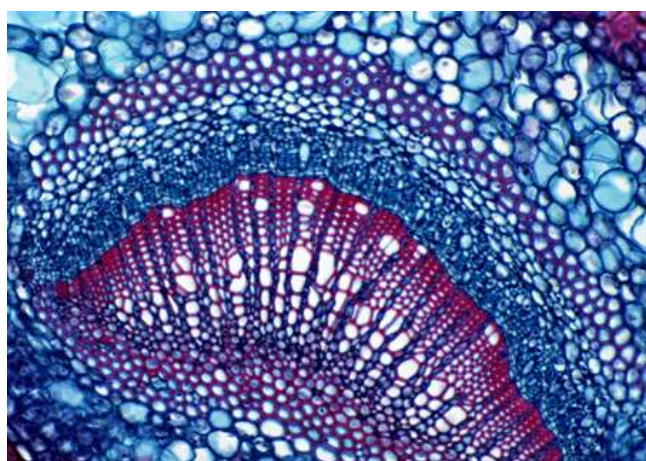
BS-2072 series microscopes are ideal instrument in biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities.

## 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×/22mm, Eyepiece Tube Diameter 30mm	●	●
	Wide Field Eyepiece WF15×/16mm	○	○
	Wide Field Eyepiece WF20×/12mm	○	○
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 230×150mm, 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	●	●
	3W 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



## 22. 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. 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.

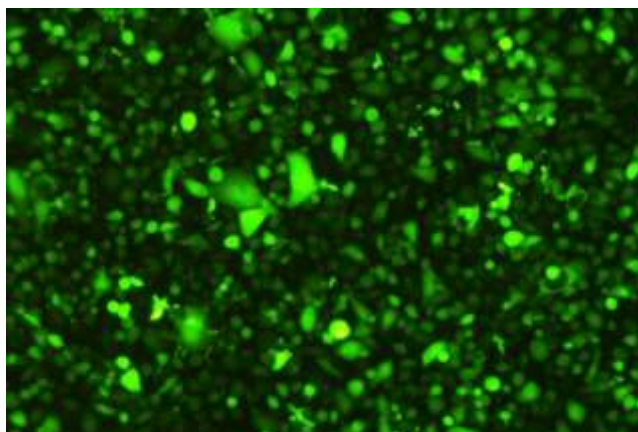
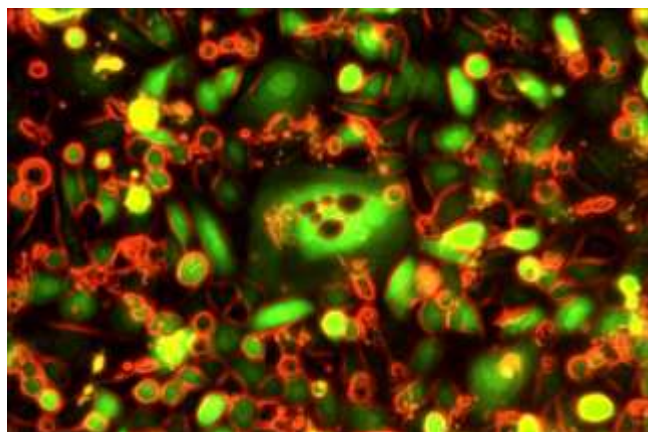
### Specification

Item	Specification	BS-2072 FB	BS-2072 FT
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×/22mm, Eyepiece Tube Diameter 30mm				●	●
	Wide Field Eyepiece WF15×/16mm				○	○
	Wide Field Eyepiece WF20×/12mm				○	○
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				●	●
	3W 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



## 23. 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 coarse and fine 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 Seidentopf 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

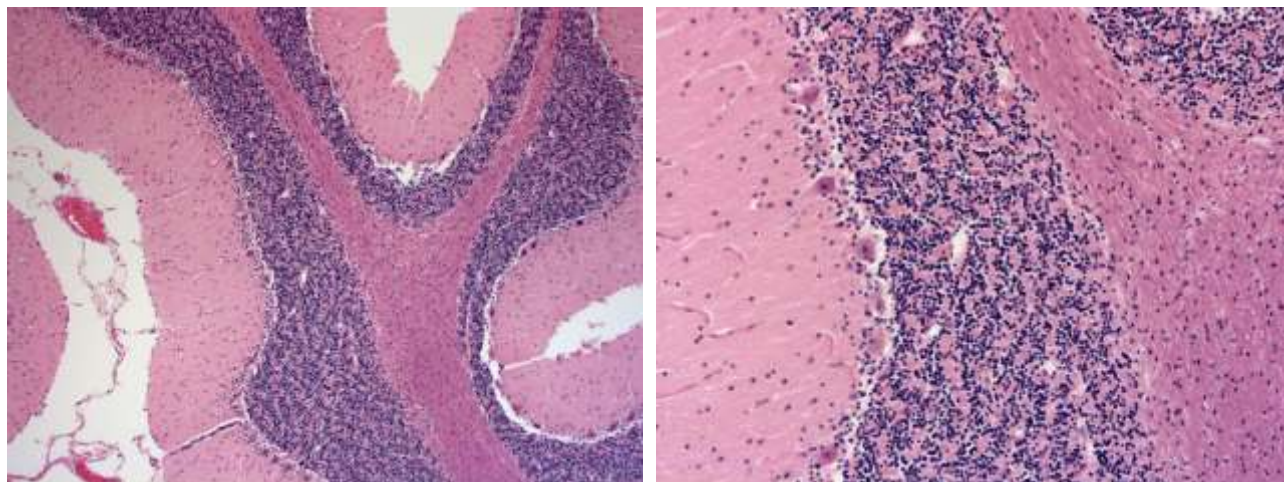
Item	Specification	BS-2080
Optical System	Infinite Optical System	●
Viewing Head	Siedentopf Trinocular Head, Inclined at 30°, 360° Rotatable, Interpupillary 48-75mm	●
	5°-35° Tilttable Binocular/ Trinocular Head	○
Eyepiece	Extra Wide Field Eyepiece EW10×/ 22mm, Eyepiece Tube Diameter 30mm	●
Nosepiece	Backward Quintuple Nosepiece	●



	Backward Sextuple Nosepiece		○
Objective	Infinite Plan Achromatic Objective	2×/0.05, W.D.=18.3mm	○
		4×/0.10, W.D.=17.3mm	●
		10×/0.25, W.D.=10mm	●
		20×/0.40, W.D.=5.1mm	○
		40×/0.65(S), W.D.=0.54mm	●
		60×/0.8(S), W.D.=0.14mm	○
		100×/1.25(S, Oil), W.D.=0.13mm	●
	Infinite Plan Fluorescent Objective	4×/0.13, W.D.=16.3mm	○
		10×/0.30, W.D.=12.4mm	○
		20×/0.50, W.D.=1.5mm	○
		40×/0.75(S), W.D.=0.35mm	○
		100×/1.3(S, Oil), W.D.=0.13mm	○
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, Brightness Adjustable		●
	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 24V/100W, Brightness Adjustable		○
	3W LED Illumination, Brightness Adjustable		○
	5W LED Illumination, Brightness Adjustable		○
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 DSLR cameras		○
	Polarization Attachment		○
	Turret Phase Contrast Kit		○
	FL-800 Epi-fluorescent Attachment		○
	FL-LED Epi-fluorescent Attachment		○
	Temperature Control 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

## 24. 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 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

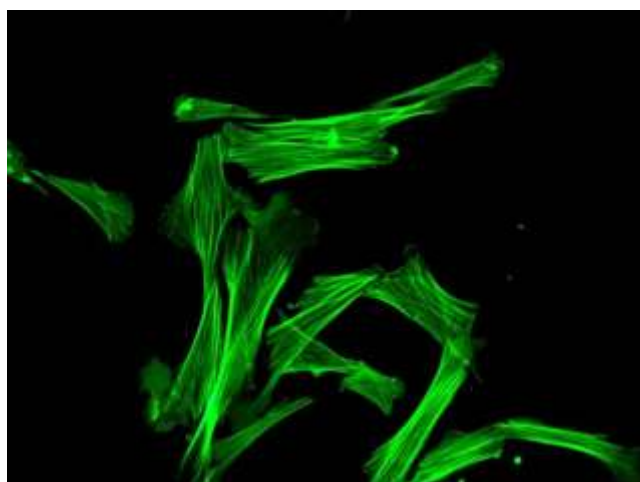
BS-2080F(LED) LED Fluorescence microscope is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas.

## 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×/22mm				●
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 Adapter	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





## 25. BS-2082 Research Biological Microscope



BS-2082



BS-2082F



BS-2082MH10

### Introduction

After years of research and development in optical technology field, BS-2082 biological microscope is designed to present a safe, comfortable and efficiency observation experience for users. With perfectly performed structure, high-definition optical image and simple operating system, BS-2082 realizes professional analysis, and meets all the needs of research in scientific, medical and other fields.

### Features

1. High eye point wide field plan eyepiece.

The eyepiece field of view has been upgrade from traditional 22mm to 25mm and 26.5mm, provide more flat field of view and improve working efficiency. With wider diopter adjustment range and foldable rubber eye guard.



## **2. Viewing head with multi-splitting ratio.**

The viewing head is designed of multiple options for splitting ratio.

(1) Trinocular head with inverted image, splitting ratio Binocular: Trinocular=100:0 or 20:80 or 0:100 is standard. Except for concentrating 100% light to eyepiece tube or camera tube, there is another option with 20% light to eyepiece tube and 80% to camera tube, so that eyepiece observation and image output can be available at the same time.

(2) Trinocular head with erected image, splitting ratio Binocular:Trinocular=100:0 or 0:100 is optional. The moving direction of samples is the same as observed.



## **3. Large size rackless stage for both hands.**

Large stage with adjustment in either hand In order to correct the hidden danger of horizon guide rail, the stage is designed with double-way linear driving mechanism. This change protects the stage from overload at the end of both rails, improves the reliability and performance of the stage.

The handle of the stage can be set at each side based on users' preference. The X, Y biaxial adjustment are designed with low position for comfortable operation.

Two slices can be hold on the stage by using damping-type double clips, easy for comparative study.

Moving range: 80mm X55mm; precision: 0.1mm. Processed with special craft, the surface of the stage is

anti-corrosive and anti-friction. The platform with an arc transition design reduces the stress concentration and damage from impact.

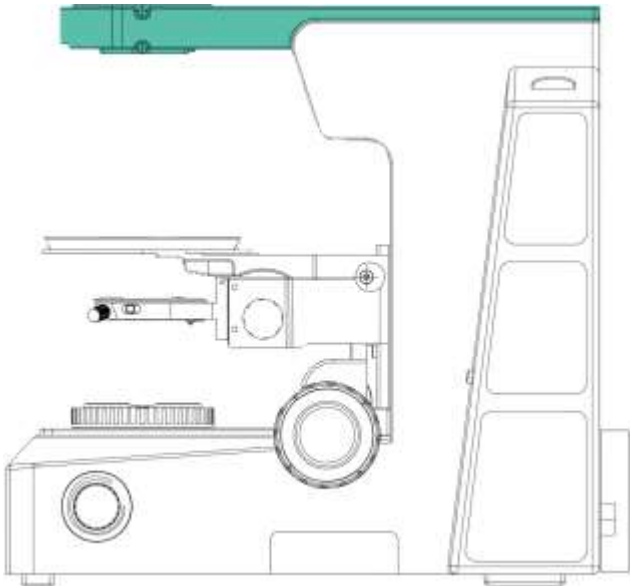


#### **4. Modular frame, improve the system compatibility.**

With modularization design, separated cross arm and main body, improves the system compatibility of biological and fluorescence frame.

#### **5. Highly sensitive coaxial coarse and fine adjustment system.**

Coaxial adjustment adopts double-stage driving, with adjustable tension tightness and upper limit stop, coarse range is 25mm and fine precision is 1 $\mu$ m. Not only accurately focus but also precision measurement is available.



## **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.

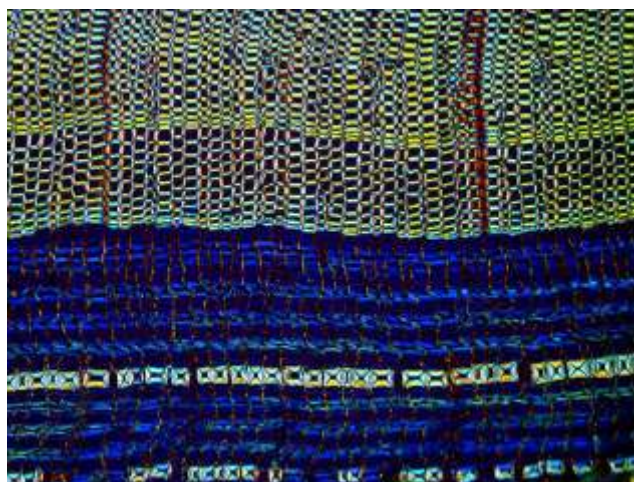
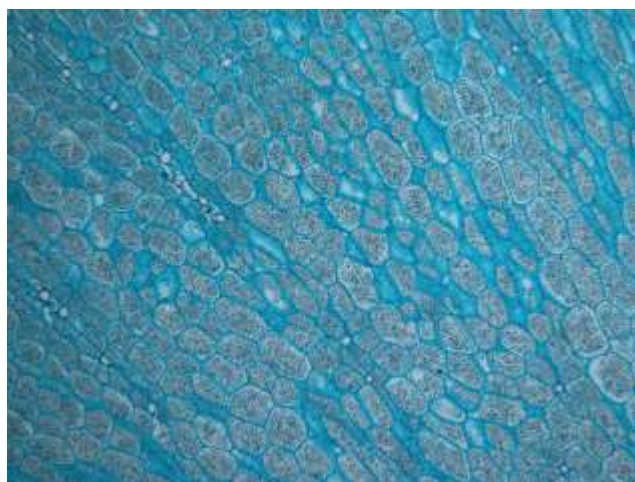
## Specification

Item	Specification	BS-2082
Optical System	Infinite color corrected optical system	●
Viewing Head	Seidentopf trinocular head(Inverted image), 30° inclined, interpupillary distance: 50mm-76mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	●
	Seidentopf trinocular head(Erected image), 30° inclined , interpupillary distance: 50mm-76mm; splitting ratio Eyepiece:Trinocular=100:0 or 0:100	○
Eyepiece	High eyepoint wide field plan eyepiece PL10X/25mm, diopter adjustable	●
	High eyepoint wide field plan eyepiece PL10X/25mm, with reticle, diopter adjustable	○
	High eyepoint wide field plan eyepiece PL10X/26.5mm, diopter adjustable	○
	High eyepoint wide field plan eyepiece PL10X/26.5mm, with reticle, diopter adjustable	○
Objective	Plan semi-apochromatic fluorescent objective 4X/0.13(infinity), WD=18.5mm	●
	Plan semi-apochromatic fluorescent objective 10X/0.30(infinity), WD=10.6mm	●
	Plan semi-apochromatic fluorescent objective 20X/0.50(infinity), WD=2.33mm	●
	Plan semi-apochromatic fluorescent objective 40X/0.75(infinity), WD=0.6mm	●
	Plan semi-apochromatic fluorescent objective 100X/1.30(infinity), WD=0.21mm	●
Nosepiece (with DIC slot)	Backward Quintuple Nosepiece	○
	Backward Sextuple Nosepiece	●
	Backward Septuple nosepiece	○
Frame	Biological frame (transmitted), low-position coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment. Built-in 100-240V_AC50/60Hz wide voltage transformer, intensity adjustable by digital set and reset; built-in transmitted filters LBD/ND6/ND25)	●
	Fluorescence frame (transmitted), low-position coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment. Built-in 100-240V_AC50/60Hz wide voltage transformer, intensity adjustable by digital set and reset; built-in transmitted filters LBD/ND6/ND25)	○
Stage	Double layers mechanical stage, size: 187mm X168mm; moving range: 80mm X55mm; precision: 0.1mm; two-way linear drive, tension adjustable	●
Condenser	Swing-out type achromatic condenser (N.A.0.9)	●
Reflected fluorescence illuminator	Sextuple reflected fluorescence illuminator with iris field diaphragm and aperture diaphragm, central adjustable; with filter slot and polarizing slot; with fluorescence filters (UV/B/G for option).	○
	100W mercury lamp house, filament center and focus adjustable; with reflected mirror, mirror center and focus adjustable. (75W xenon lamp house for option)	○
	Digital power controller, wide voltage 100-240VAC	○
	Imported OSRAM 100W mercury lamp.( OSRAM 75W xenon lamp for option)	○

Transmitted Illumination	12V/100W halogen lamp house for transmitted light, center pre-set, intensity adjustable	●
Other Accessories	Camera adapter: 0.5X/0.65X/1X focusing C-mount	○
	Cooled CCD camera, SONY 2/3", 1.4MP, ICX285AQ Color CCD	○
	Centering objective for fluorescence observation	○
	Calibration slide 0.01mm	○
	Multi Viewing Attachment for 5 persons	○
	DIC Attachment	○

Note: ● Standard Outfit, ○ Optional

## Sample Image





## 26. 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. With an innovative optical and structure design idea, excellent optical performance and easy to operate system, this inverted biological microscope makes your works enjoyable.

### Feature

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

	<p>With LWD Infinite Plan Objective, Making Viewing Field Flatter and Brighter, Contrast Sharper, Living Cell Observing easier</p>
	<p>Advanced and Reliable Mechanical Stage with Knob Height and Tightness Adjustable</p>

	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.

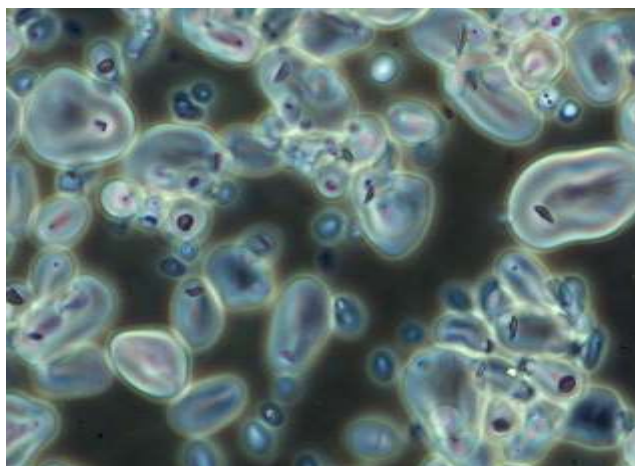
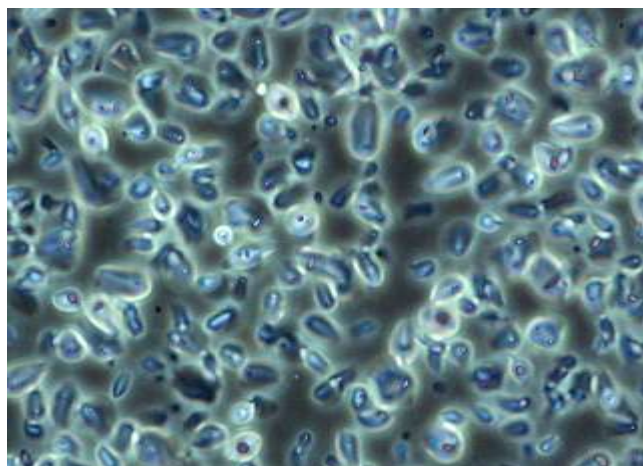
## Specification

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×/ 22mm		●
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 $\Phi$ 35mm	○
	Slide Glass Holder $\Phi$ 54mm	○
	Petri Dish Holder $\Phi$ 90mm	○
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	6V/30W Halogen Lamp	●
	3W LED	○
Filter	Blue, Green and Frosted filters, Diameter 45mm	●
Accessories	Photo Adapter for Nikon and Canon DSLR cameras	○
	Video Adapter 1× / 0.5× C-mount	○
	Inverted Fluorescent Attachment FI-100	○
Package	1carton/set, 46.5cm*39.5cm*64cm, 16kg	●

Note: ● Standard Outfit, ○ Optional

## Sample Image



## 27. 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×/ 20mm, 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) Infinite Plan Achromatic Phase Objective	10×/ 0.25, WD 6mm	●
		20×/ 0.4, WD 3.1mm	●
		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		●
	5W LED		○
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-140 USB digital microscope**



#### **Introduction**

BPM-140 USB digital microscope provides powers from 20x to 400x with 1.3MP resolution. It is ideally suited for Medical, Industrial Inspection, Engineering, educational and Science Applications to examine coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials and many other objects. 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, capture video, take snapshots and do measurement with Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.5 or above Operation system.

#### **Feature**

1. Easy to use portable digital microscope with USB output interface.
2. 20X to 400X Magnification.
3. 1.3 Mega Pixels CMOS sensor, interpolate to 2MP with software.
4. Manual Focus from 10mm to 500mm.
5. LED illumination with 8pcs LED lamps, brightness adjustable.
6. Photo management software, Auto White Balance and Exposure.
7. Powered by USB 2.0 cable, 5V DC.
8. Metal stand to hold the microscope steady.
9. Multi-language support: English, Germany, Spanish, French, Russian.
10. Operating System: Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.5 or above.

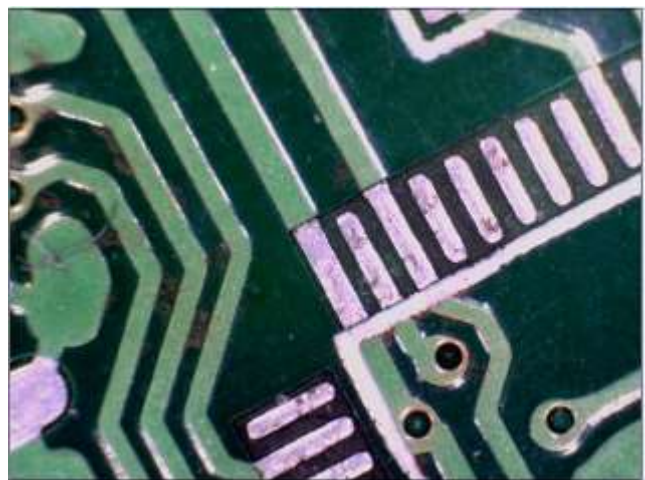
## Application

BPM-140 USB digital 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 Sensor (interpolate to 2MP with software)
Image Capture Resolution	1600×1280, 1280×1024, 1024×960, 1024×768, 800 ×600, 640×480, 352×288, 320×240
Video Capture Resolution	1600×1280, 1280×1024, 1024×960, 1024×768, 800 ×600, 640×480, 352×288, 320×240
Focus Ranger	Manual Focus From 10mm to 500mm
Frame Rate	Max30f/s under 600 Lus Brightness
Magnification Ratio	20X to 400X
Video Format	AVI format
Still Image Format	JPEG or BMP
Light Source	8 LED (adjustable by control wheel)
PC Interface	USB 2.0
Power Supply	5V DC from USB port
Operation System	Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.6 or above
OSD Language	English, German, Spanish, French, Russian
Bundled Software	MicroCapture with measurement & calibration function
Size	125mm(L) x33mm(R)
Weight	140g
Package Content	Digital microscope with USB cable, Metal Stand, User Manual, CD with Software
Packing Info	Gift box, 20pcs/carton, 9.5kgs/carton, carton size: 45.5×34.5×30.0cm

## Sample Image



## **2. BPM-220 USB digital microscope**



### **Introduction**

BPM-220 USB digital microscope provides powers from 10x to 200x with 2.0MP Image sensor. It is ideally suited for Medical, Industrial Inspection, Engineering, educational and Science Applications to examine coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials and many other objects. 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, capture video, take snapshots and do measurement with Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.5 or above Operation system.

### **Feature**

1. Easy to use portable digital microscope with USB output interface.
2. 10x to 200x Magnification.
3. Real 2.0 Mega Pixels CMOS sensor.
4. Manual Focus from 10mm to 500mm.
5. LED illumination with 8pcs LED lamps, brightness adjustable.
6. Photo management software, Auto White Balance and Exposure.
7. Powered by USB 2.0 cable, 5V DC.
8. Metal stand to hold the microscope steady.
9. Multi-language support: English, Germany, Spanish, French, Russian.
10. Operating System: Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.5 or above.

### **Application**

BPM-220 USB digital 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	2.0 Mega Pixels CMOS sensor
Image Capture Resolution	1920×1080, 1280×720, 640×480
Video Capture Resolution	1920×1080, 1280×720, 640×480
Focus Range	Manual Focus From 10mm to 500mm
Frame Rate	Max. 30f/s under 600 Lus Brightness
Magnification Ratio	10× to 200×
Video Format	AVI format
Still Image Format	JPEG or BMP
Light Source	8 LED (adjustable by control wheel)
PC Interface	USB 2.0
Power Supply	5V DC from USB port
Operation System	Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.6 or above
OSD Language	English, Deutsch, Spanish, Russian, Italian, French, Portuguese, Dutch, Polish, Japanese, Korean, Chinese
Bundled Software	MicroCapture Plus (with measurement for Win/Mac)
Size	110mm(L) × 33mm(R)
Weight	160g
Package Content	Digital microscope with USB cable, Metal Stand, User Manual, CD with Software
Packing Info	Gift box, 20pcs/carton, 8.2kgs/carton, carton size: 45.5×34.5×30.0cm

## Sample Image



### 3. BPM-350 USB digital microscope



#### Introduction

BPM-350 USB digital microscope provides powers from 20× and 300× with 5.0MP Image sensor. It is ideally suited for Medical, Industrial Inspection, Engineering, educational and Science Applications to examine coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials and many other objects. With the included software, you can observe the magnified images, capture video, take snapshots and do measurement with Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.5 or above Operation system.

#### Feature

1. Easy to use portable digital microscope with USB output interface.
2. 20× and 300× Magnification.
3. 5.0 Mega Pixels CMOS sensor.
4. Manual Focus from 10mm to 500mm.
5. LED illumination with 8pcs LED lamps, brightness adjustable.
6. Photo management software, Auto White Balance and Exposure.
7. Powered by USB 2.0 cable, 5V DC.
8. Metal stand to hold the microscope steady.
9. Multi-language support: English, Germany, Spanish, French, Russian.
10. Operating System: Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.5 or above.

#### Application

BPM-350 USB digital 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.

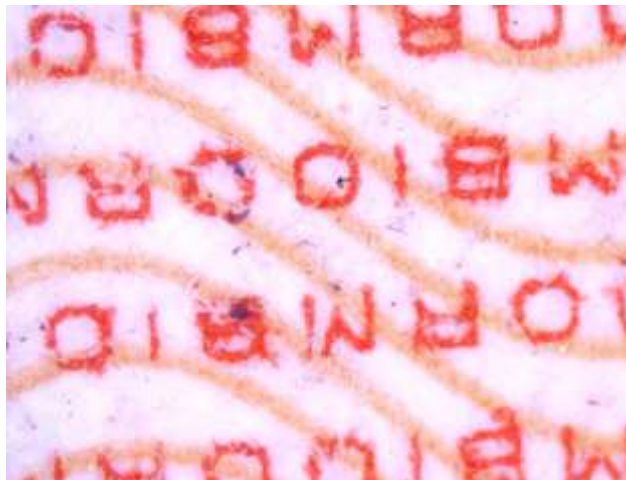
## Specification

Image Sensor	5.0 Mega Pixels CMOS sensor (true resolution)
Image Capture Resolution	5M, 3M, 1.3M, VGA, QVGA
Video Capture Resolution	5M, 3M, 1.3M, VGA, QVGA
Focus Range	Manual Focus From 10mm to 500mm
Frame Rate	Max. 30f/s under 600 Lus Brightness
Magnification Ratio	20× to 300×
Video Format	AVI format
Still Image Format	JPEG or BMP
Light Source	8 LED (adjustable by control wheel)
PC Interface	USB 2.0
Power Supply	5V DC from USB port
Operation System	Windows Win7, Win 8, Win 10 32bit&64 bit, Mac OS X 10.6 or above
OSD Language	English, German, Spanish, French, Russian
Bundled Software	MicroCapture with measurement & calibration function
Size	110mm(L) x33mm(R)
Weight	90g
Package Content	Digital microscope with USB cable, Professional stand, User Manual, CD with Software
Packing Info	Gift box, 12pcs/carton, 11.8kgs/carton, carton size: 45×36×43cm

## Sample Image



Sweater



Currency

#### 4. BPM-350L LCD USB digital microscope



##### Introduction

BPM-350L LCD USB digital microscope provides powers from 20 $\times$  and 300 $\times$  with 5.0MP Image sensor, the LCD screen is 3.5inch. It can take images and videos and save in the micro SD card. It also can be connected to PC and take image, take video and do measurement with software. It is ideally suited for Medical, Industrial Inspection, Engineering, educational and Science Applications to examine coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials and many other objects.

##### Feature

1. Can work independently, portable and easy to operate.
2. 20 $\times$ -300 $\times$  Magnification, 4 $\times$  digital magnification.
3. 3.5 inches LCD screen, resolution 320 $\times$ 240.
4. Images and videos can be saved in micro SD card, up to 32G.
5. 5.0 Mega Pixels CMOS sensor.
6. Manual Focus from 10mm to 50mm.
7. LED illumination with 8pcs LED lamps, brightness adjustable.

##### Application

BPM-350L LCD USB digital 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.

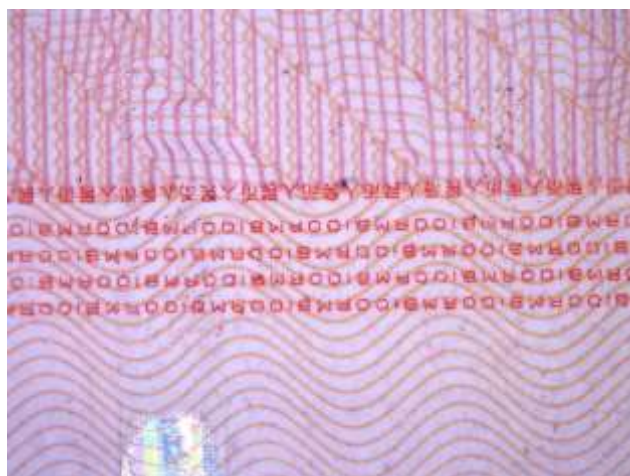
## Specification

Image Sensor	5.0 Mega Pixels CMOS sensor (interpolated to 12.0MP)
LCD Screen	3.5 inches LCD screen, resolution 320×240
Image Capture Resolution	12M, 9M, 5M, 3M, 1.3M, VGA
Video Capture Resolution	12M, 9M, 5M, 3M, 1.3M, VGA
Focus Range	Manual Focus From 10mm to 50mm
Frame Rate	Max. 30f/s under 600 Lus Brightness
Magnification Ratio	20× to 300×(Digital Magnification can be 1200× )
TV output	Available to any monitor with TV input interface
Card Slot	Support MicroSD Card(not included) slot up to 32GB
Light Source	8 LED (adjustable by control wheel)
Battery	Rechargeable lithium battery (recharged by power adapter or USB)
Measurement	By software when connected to PC
OSD Language	English, German, Spanish, French, Russian
Bundled Software	MicroCapture with measurement & calibration function
Microscope Size	149mm(L)*104mm(W)*227(H)
Weight	1100g
Package Content	Microscope, Power Adapter, USB cable, TV cable, CD with Software, User manual
Packing Info	Gift box, 6pcs/carton, 9.0kgs/carton, carton size 43.5x41.5x35cm

## Sample Image



Sweater



Currency

## 5. BPM-350P Portable Digital Microscope



### Introduction

BPM-350P portable digital microscope provides powers from 20× and 300× with 5.0MP Image sensor, the LCD screen is 3inch. It can take images and videos and save in the micro SD card. It also can be connected to PC and take image, take video and do measurement with software. It is ideally suited for Medical, Industrial Inspection, Engineering, educational and Science Applications to examine coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials and many other objects.

### Feature

1. Can work independently, portable and easy to operate.
2. 20× and 300× Magnification.
3. 3 inches LCD screen, resolution 320×240.
4. Images and videos can be saved in micro SD card, up to 32G.
5. 5.0 Mega Pixels CMOS sensor.
6. Manual Focus from 10mm to 50mm.
7. LED illumination with 8pcs LED lamps, brightness adjustable.
8. Compatible with Windows XP/Vista/Win7/8/10, 32bit&64 bit and Mac operation system.

### Application

BPM-350P portable digital 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	5.0 Mega Pixels CMOS sensor (interpolated to 12.0MP)
LCD Screen	3 inches LCD screen, resolution 320×240
Capture Resolution	12M, 9M, 5M, 3M, 1.3M, VGA
Focus Range	Manual Focus From 10mm to 50mm
Frame Rate	Max 30f/s under 600 Lus Brightness
Magnification Ratio	20× to 300×(Digital Magnification can be 1200× )
TV output	Available to any monitor with TV in
Card Slot	Support MicroSD Card(not included) slot up to 32GB
Light Source	8 LED (adjustable by control wheel)
Battery	Rechargeable lithium battery (recharged by power adapter or USB)
Measurement	By software when connected to PC
OSD Language	English, German, Spanish, French, Russian
Bundled Software	PortableCapture Pro with measurement & calibration function
Microscope Size	130mm*112mm*28
Weight	400g
Package Content	Microscope, Power Adapter, USB cable, TV cable, CD with Software, User's manual
Packing Info	Gift box, 6pcs/carton, 9.0kgs/carton, 43.5x41.5x35cm



## 6. BPM-1080W WIFI Digital Microscope



### Introduction

BPM-1080W WIFI portable microscope is a great product for education, industrial inspection and fun. The microscope provides powers from 10x to 230x. It can work with smart phone, tablet PC and PC via Wifi, it also can work with PC via USB cable. It is ideally suited for examining coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials, electronics, LCD panel and many other objects. With the software, you can observe the magnified images, capture video, take snapshots and do measurement with iOS (5.1 or later), Android and Windows Operation System.

### Features

1. It can work on Windows/Mac/iOS (iPhone, iPad)/Android (smart phone, Tablet PC) Operation System.
2. It has measurement function (by software) when working on Windows/Mac.
3. Professional Stand, very suitable for observation.
4. With built-in battery, can work on fields.

### Application

BPM-1080W WIFI digital 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

Sensor	3.0MP CMOS sensor (true resolution)
Image Capture Resolution	3M, 5M, 8M, 12M
Video Capture Resolution	1920x1080 (1080P), 1280x720 (720P), VGA
Focus Range	Manual focus from 0mm to 50mm
Magnifications	10x-230x

Video Format	H.264
Photo Format	JPEG
Light Source	6 LED (adjustable by control wheel)
Power Supply	Rechargeable Li-ion battery Working time: 3hrs, Charging time: 2hrs Charging power: DC 5V/1A (mini USB)
iOS/Android interface	Wi-Fi
Transmission Range	20M (open sight)
Transmission Rate	150Mbps
PC interface	USB2.0
App	iOS: MicroCapture Search and download from App Store Android: MicroCapture or search and Download from <a href="https://play.google.com/store">https://play.google.com/store</a>
PC OSD language	English, Deutsch, Spanish, Russian, Italian, French, Portuguese, Dutch, Polish, Japanese, Korean, Chinese
PC Operation System	Windows XP/Vista/Win7/8/10, 32bit&64 bit
Bundle software for PC	Portable Capture HD (with measurement by USB connection)
Operation Temperature	0-55 degree
Microscope Size	Microscope: 154mm (L) x 44mm (R) Professional Stand: 165mm(L) x118mm(W)x12mm (H)
Package Content	Microscope, Power Adapter, USB cable, CD with Software, User manual
Packing Info	Gift box, 6pcs/carton, 9.0kgs/carton, carton size 43.5x41.5x35cm

## 7. BPM-1080H HDMI Digital Microscope



### Introduction

BPM-1080H HDMI digital microscope is a great product for education, industrial inspection and fun. The microscope provides powers from 10x to 200x. It can work with LCD monitors which has HDMI port. It does not need a PC and can save cost for customers. The big LCD monitor can show the better details. It is ideally suited for examining coins, stamps, rocks, relics, insects, plants, skin, gems, circuit boards, various materials, electronics, LCD panel and many other objects. With the software, you can observe the magnified images, capture video, take snapshots and do measurement with Windows Operation System.

### Features

1. It can work with all the LCD monitors with HDMI port.
2. It has measurement function (by software) when working on Windows.
3. Professional Stand, very suitable for observation.

### Applications

BPM-1080H HDMI digital 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

Sensor	3.0MP CMOS sensor
Focal Distance	10mm to 500mm
Magnification	10x-200x
Video Output	1080P Full HD, 720P, VGA
Photo Resolution	5M, 3M, 1.3M, VGA

Photo Format	JPEG
Frame Rate	Max 30f/s under 600 Lus Brightness
Video-output Interface	HDMI
Storage	MicroSD card (not included), up to 32G
Power supply	DC 5V/1A (mini USB)
Light source	8 LEDs (brightness adjustable)
Accessories	Professional Stand, Power Adapter, USB cable, Software CD, HDMI Cable
Dimension	185(L) x33(D)mm
Weight	130g
Packing	Gift box, 16pcs/carton, 12kgs/carton, 45x44x35cm/carton

## 8. BPM-300 Portable Measuring Microscope

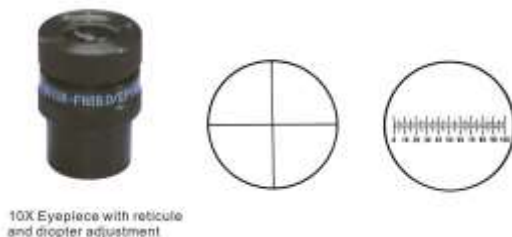


### Introduction

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.



### 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	100x	50x	40x	20x
Mechanical Tube Length	160mm			
Eyepiece	10x			
Objective	10x	5x	4x	2x
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-300A	BPM-300B	BPM-300C	BPM-300D	BPM-300 AL	BPM-300 BL	BPM-300 CL	BPM-300 DL
Eyepiece10x/18 Cross with Reticle	•	•	•	•	•	•	•	•
Objective10x	•				•			
Objective5x		•				•		
Objective4x			•				•	
Objective2x				•				•
Pen Light Illumination (with holder, No Battery)					•	•	•	•

Note: ●Standard Outfit, ○Optional

## 9. BPM-620 Portable Metallurgical Microscope



BPM-620



BPM-620M(with Magnetic base)

### Introduction

BPM-620 Portable Metallurgical Microscope is mainly used in field to identify the structures of all kinds of metal and alloy when failure in making sample. It adopts a rechargeable vertical LED illuminator, which provides even and adequate illumination. 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.

### Application

BPM-620 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.

### 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
LWD Plan Metallurgical Objective 10×	1 unit	1 unit
LWD 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-3001 Stereo Microscope



BS-3001A



BS-3001B



BS-3001C

### Introduction

BS-3001 series stereo microscopes are smart and cost-effective stereo microscope. A variety of eyepieces and objectives are available for different requirements. They are widely used in electric factories, schools laboratories, sculpture, families and so on.

### Feature

1. Sharp stereo erect image over a wide field of view.
2. Upright binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment  $\pm 5\text{dp}$ .
3. V-shape inserted objective with locked-in structure, easy to replace.
4. CE approved.
5. A wide range of accessories for selection.

### Application

BS-3001 series stereo microscopes are widely applied in school education, circuit board inspection and repair, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, inspection and repair of small parts.

### Specification

Item	Specification	BS-3001A	BS-3001B	BS-3001C
Viewing Head	Upright Binocular Viewing Head, Interpupillary Distance 55-75mm, diopter adjustment $\pm 5\text{dp}$ on left ocular-tube, Tube diameter 23.2mm	●	●	●
Eyepiece	WF5×/20mm	○	○	○
	WF10×/20mm	●	●	●
	WF15×/15mm	○	○	○

	WF20x/10mm	○	○	○
Objective	1x, Working distance 57mm	○	○	○
	2x, Working distance 80mm	●	●	●
	3x, Working distance 61mm	○	○	○
	4x, Working distance 57mm	○	○	○
	6x, Working distance 66mm	○	○	○
Illumination	Natural illumination, Natural light	●		
	Incident illumination, Incandescent lamp 12V10W		●	
	Incident & transmitted illumination, Incandescent lamp 12V10W			●
Working Plate	Φ60 White&black Plate	●	●	
	Φ95 Frosted glass and White&Black Plate			●
Power supply	110V/60HZ or 220V/50HZ.	●	●	●
Package	4pcs/carton, 68cm*31cm*38cm, Gross weight 11kg, Net weight 7kg	●	●	●

Note: ● Standard Outfit, ○ Optional



## 2. BS-3002 Stereo Microscope



BS-3002A



BS-3002B



BS-3002C

### Introduction

BS-3002 series stereo microscopes are smart and cost-effective stereo microscopes. A variety of eyepieces and objectives are available for different requirements. They are widely used in electric factories, schools laboratories, sculpture, families and so on.

### Feature

1. Sharp stereo erect image over a wide field of view.
2. 45° Inclined binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment  $\pm 5$ dp.
3. V-shape inserted objective with locked-in structure, easy to replace.
4. CE approved.
5. A wide range of accessories for selection.

### Application

BS-3002 series stereo microscopes are widely applied in school education, circuit board inspection and repair, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, inspection and repair of small parts.

### Specification

Item	Specification	BS-3002A	BS-3002B	BS-3002C
Viewing Head	Binocular Viewing Head, 45° Inclined, Interpupillary Distance 55-75mm, diopter adjustment $\pm 5$ dp on left ocular-tube, Tube diameter 23.2mm	●	●	●
Eyepiece	WF5×/20mm	○	○	○
	WF10×/20mm	●	●	●
	WF15×/15mm	○	○	○
	WF20×/10mm	○	○	○
Objective	1×, Working distance 57mm	○	○	○

	2x, Working distance 80mm	●	●	●
	3x, Working distance 61mm	○	○	○
	4x, Working distance 57mm	○	○	○
	6x, Working distance 66mm	○	○	○
Illumination	Natural illumination, Natural light	●		
	Incident illumination, Incandescent lamp 12V10W		●	
	Incident & transmitted illumination, Incandescent lamp 12V10W			●
Working Plate	Φ60 White&black Plate	●	●	
	Φ95 Frosted glass and White&Black Plate			●
Power supply	110V/60HZ or 220V/50HZ.	●	●	●
Package	4pcs/carton, 68cm*31cm*38cm, Gross weight 11kg, Net weight 7kg	●	●	●

Note: ● Standard Outfit, ○ Optional

### 3. BS-3003 Long Working Distance Stereo Microscope



#### Introduction

BS-3003 Long working distance stereo microscope is a smart and cost-effective stereo microscopes. A variety of eyepieces and objectives are available for different requirements. The long working distance feature provides more choice for different samples and works. It is widely used in electric factories, schools laboratories, sculpture, families and so on.

#### Feature

1. Sharp stereo erect image over a wide field of view.
2. 45° Inclined binocular head with locked-in eyepiece. The left ocular-tube with diopter adjustment  $\pm 5\text{dp}$ .
3. V-shape inserted objective with locked-in structure, easy to replace.
4. Come with high brightness 3W LED lamp.
5. A wide range of accessories for selection.

#### Application

BS-3003 stereo microscope is widely applied in school education, circuit board inspection and repair, surface mount technology work, electronics inspection, coin collecting, gemology and gemstone setting, engraving, inspection and repair of small parts.

#### Specification

Item	Specification	BS-3003
Viewing Head	Binocular Viewing Head, 45° Inclined, Interpupillary Distance 55-75mm, diopter adjustment $\pm 5\text{dp}$ on left ocular-tube, Tube diameter 23.2mm	●
Eyepiece	WF5x/20mm	○

	WF10×/20mm	●
	WF15×/15mm	○
	WF20×/10mm	○
Objective	0.5×, Working distance 250mm	○
	1×, Working distance 230mm	●
	2×, Working distance 80mm	○
Illumination	Incident 3W LED illumination	●
Power supply	110V/60HZ or 220V/50HZ, 110V-240V Wide input voltage is optional	●
Package	1pcs/carton, 41cm*20cm*43cm, Gross weight 7.5kg, Net weight 6kg	●

Note: ● Standard Outfit, ○ Optional

## 4. 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
Viewing Head	Binocular Viewing Head, 45° Inclined, Interpupillary Distance 55-75mm, Un-rotatable	•	
	Binocular Viewing Head, 45° Inclined, Interpupillary Distance 55-75mm, 360° Rotatable		•

Eyepiece	WF5x/20mm	○	○
	WF10x/20mm	●	●
	WF15x/15mm	○	○
	WF20x/10mm	○	○
Objective	2x, 4x	●	●
	1x, 2x	○	○
	1x, 3x	○	○
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



## 5. 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 1x/2x, 1x/3x, 1x/4x, 2x/3x, 2x/4x, Magnification range 5x-240x.
4. Providing a wide viewing eyepiece with field of  $\Phi 23\text{mm}$ .
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.

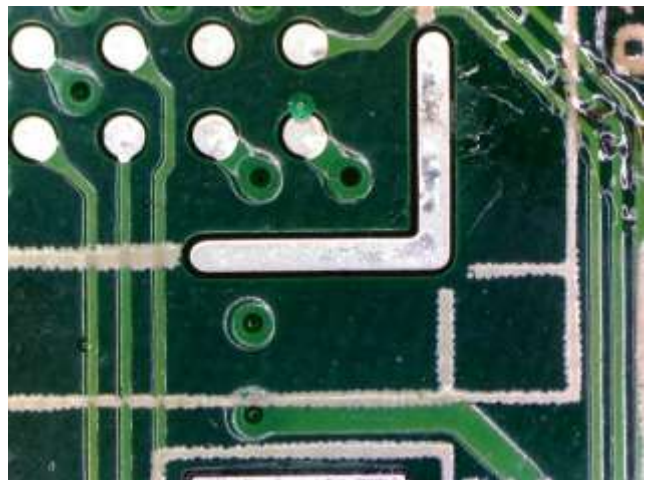
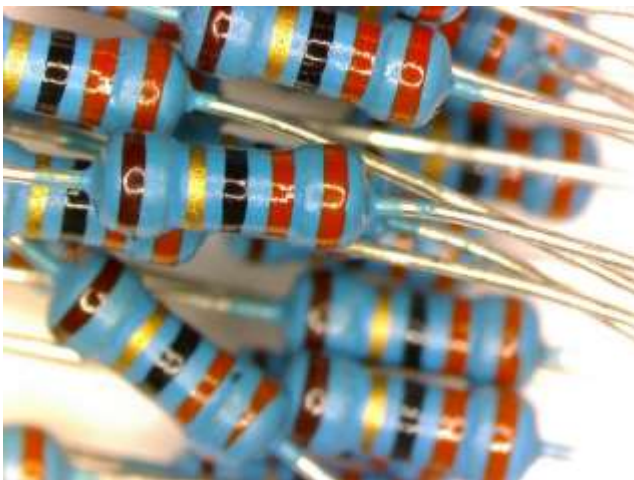
### Specification

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	WF10x/23mm eyepiece		●	●
	WF10x/22mm eyepiece		○	○
	WF10x/20mm eyepiece		○	○
	WF15x/16mm eyepiece		○	○
	High-eyepoint WF20x/12mm eyepiece		○	○
	Low-eyepoint WF20x/12mm eyepiece		○	○
	WF30x/8mm eyepiece		○	○
	WF10x eyepiece with cross hair		○	○
Objective	Changeable objective	2x, 4x	●	●
		2x, 3x	○	○
		1x, 2x	○	○
		1x, 3x	○	○
		1x, 4x	○	○
	Auxiliary objective	2x, WD: 30mm	○	○
		0.75x, WD: 120mm	○	○
		0.63x, WD: 137mm	○	○
		0.5x, WD: 180mm	○	○
Working Distance	97mm		●	●
Head Mount	Diameter 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	0.5x C-mount		●	●
	1x C-mount or 23.2mm video tube		○	○

Note: ● Standard Outfit, ○ Optional

## Sample Image



## 6. BS-3020 Zoom Stereo Microscope



BS-3020B



BS-3020T



BS-3020BD

### 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	BS-3020BD
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			●	
	Binocular head with 1.3MP digital camera, inclined at 45°, Interpupillary Distance 55-75mm, ScopeImage 9.0 software				●
Eyepiece	Wide field eyepiece 10×/ 20mm		●	●	●
	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.

## 7. 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×/ $\Phi 12\text{mm}$	○	○	○	○



	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 Adapter (For Nikon, Canon, Olympus, Sony DSLR Cameras)			○		○
	0.5× C-mount adapter (adjustable)			●		●
Package	1pc/carton, 51cm*37cm*31cm, 6.5kg		●	●	●	●

Note: ● Standard Outfit, ○ Optional

## 8. 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 8x-50x, 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 EW10x/22mm	●	●
	WF15x/16mm		
	WF20x/12.5mm		

Zoom Objective	0.8x-5x	●	●
Zoom Ratio	6.3:1	●	●
Working Distance	115mm	●	●
Auxiliary objective	2x, WD 45mm	○	○
	0.5x, 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 Adapter (For Nikon, Canon, Olympus, Sony DSLR Cameras)		○
	0.5X C-mount Adapter		●
Package	1pc/carton, 36.5cm*31cm*52cm, 8.5kg	●	●

Note: ● Standard Outfit, ○ Optional

## 9. BS-3040 Zoom Stereo Microscope



BS-3040



BS-3040T



BS-3040BD

### 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-3040 B	BS-3040 T	BS-3040 BD
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	○	●	○
	Digital Binocular Viewing Head, Inclined at 45°, Interpupillary Distance 57-75mm, 3.2MP(2048×1536), ScopeImage 9.0 Software	○	○	●
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.: 125mm	○	○	○
	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





## 10. 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 $\times$ -5 $\times$ , large field of view up to  $\Phi$ 76mm.
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 $\times$ / $\Phi$ 23mm	•	•

	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 adapter	○	○
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.

## 11. 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 $\times$ -5 $\times$ , large field of view up to  $\Phi$ 76mm.
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.

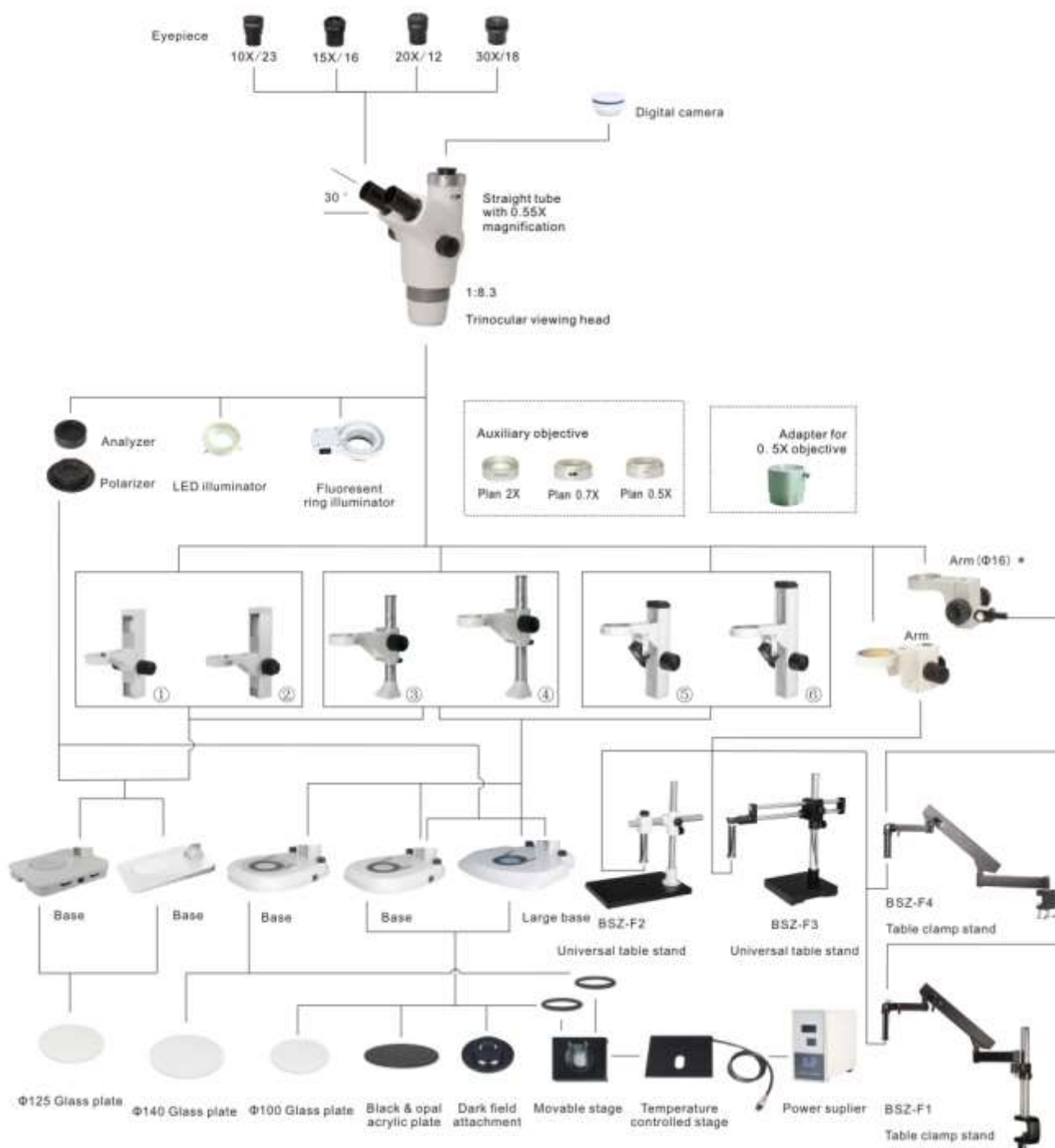
### Specification

Item	Specification	BS-3045A	BS-3045B
Viewing Head	Trinocular Viewing Head, Inclined at 30°, Interpupillary Distance 55-75mm	•	•

Eyepiece	Extra wide field eyepiece WF10x/Φ23mm	●	●
	WF15x/Φ16mm	○	○
	WF20x/Φ12mm	○	○
	WF30x/Φ9mm	○	○
Zoom Objective	0.6x-5x	●	●
Zoom Ratio	8.3:1	●	●
Working Distance	115mm	●	●
Auxiliary objective	0.5x, WD: 220mm	○	○
	0.7x, WD: 125mm	○	○
	2x, 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	0.55x C-mount	●	●
	1x 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.



## 12. 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.

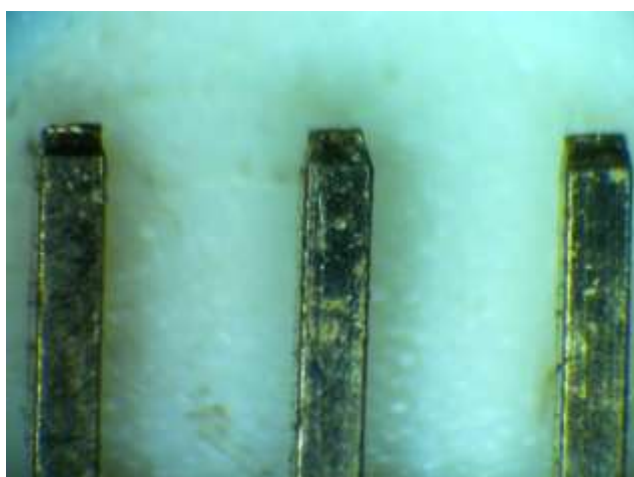
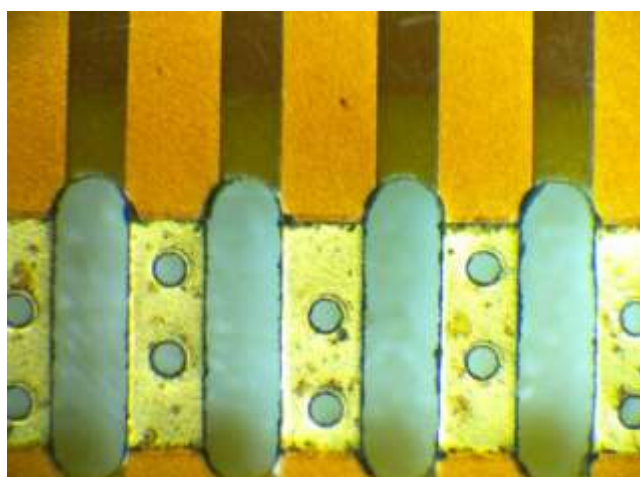
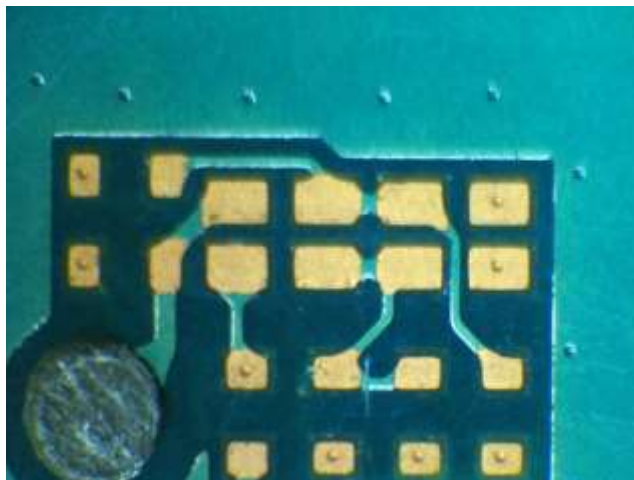
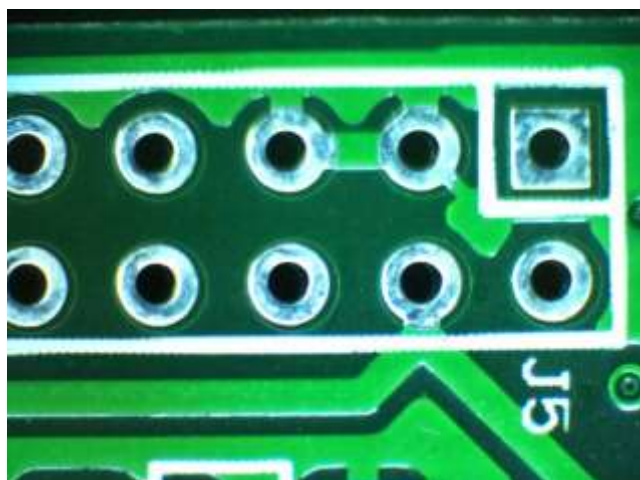
## Specification

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	○	○	○

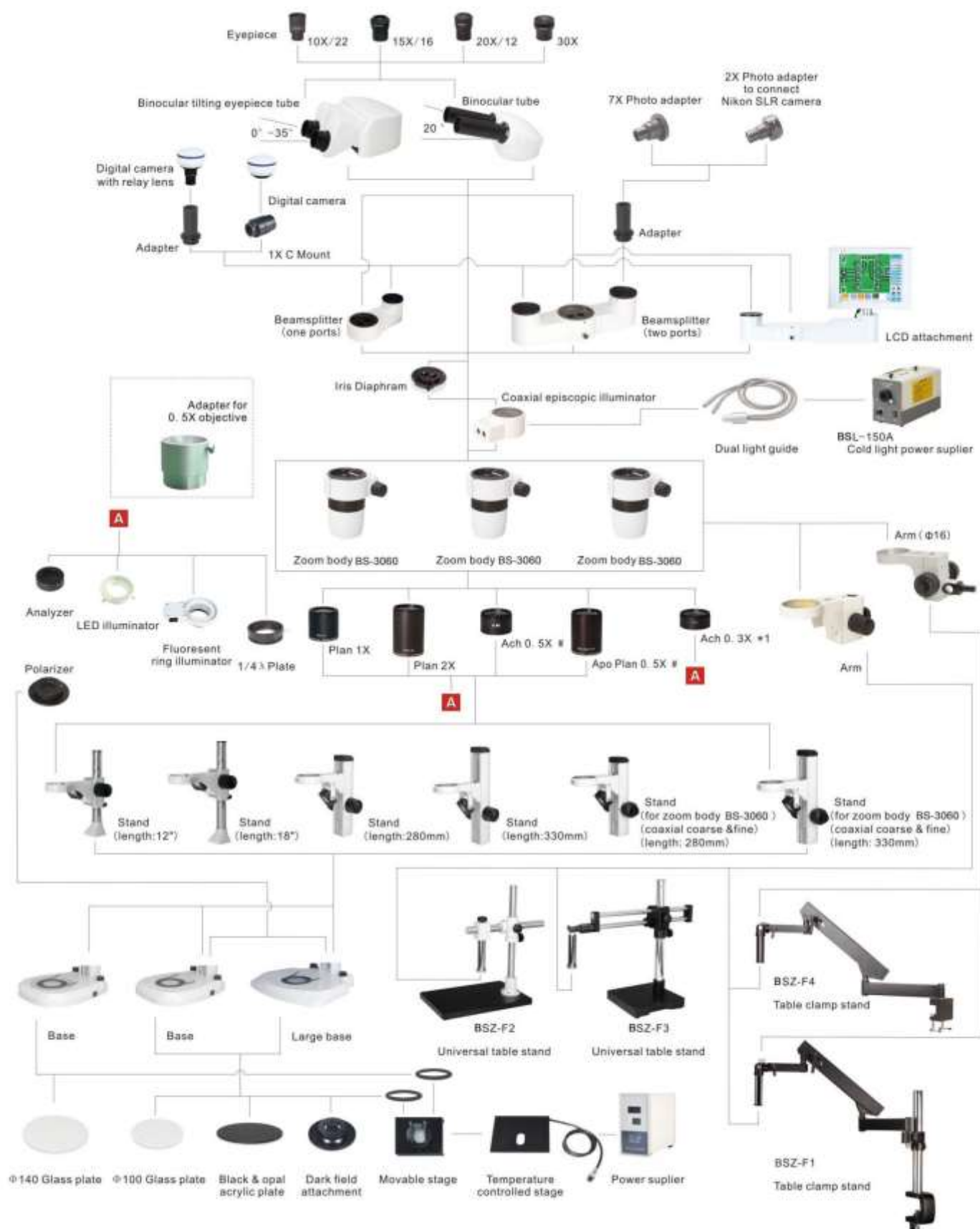
	Dark Field Attachment	○	○	○
	Simple Polarization Set	○	○	○
	Iris Diaphragm	○	○	○
	Beam splitter (one port)	○	○	○
	Beam splitter (two ports)	○	○	○
	Photography & video attachment	○	○	○
	Moveable Stage	○	○	○
	Temperature controlled Stage	○	○	○
	Universal Table Stand/Table Clamp Stand	○	○	○
	Cold light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

Note: ● Standard Outfit, ○ Optional

## Sample Image



## System Diagram



### 13. 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 2.4x~480x, 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 2.4x~480x, 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

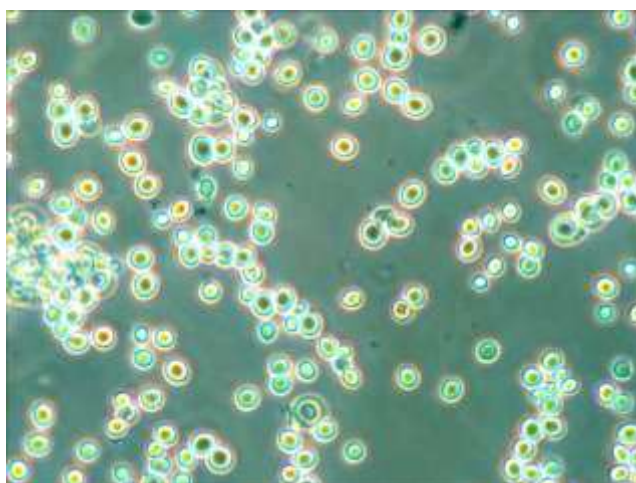
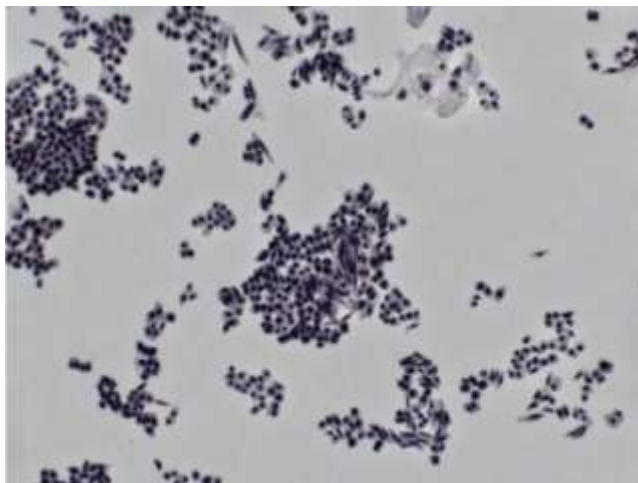
Item	Specification	BS-3060 FA	BS-3060 FB	BS-3060 FC
Optical System	Infinite Parallel Zoom Optical System	•	•	•
Viewing Head	Binocular Head, 20°Inclination, Interpupillary Distance 55-75mm	•	•	•



	Tilting Binocular Eyepiece Tube, 5°-35° Inclined, Interpupillary Distance 55-75mm	○	○	○
Eyepiece	EW10x/Φ22mm	●	●	●
	EW10x/Φ24mm	○	○	○
	WF15x/Φ16mm	○	○	○
	WF20x/Φ12mm	○	○	○
	WF30x/Φ8mm	○	○	○
Fluorescent Attachment	GFP-B(EX460-500,DM505,BA510-560)	●	●	●
	GFP-L(EX460-500,DM505,BA510)	●	●	●
	G(EX515-550, DM570, BA590)	○	○	○
Zoom Objective	0.8x-5x	●		
	0.8x-6.4x		●	
	0.8x-8x			●
Objective	Plan Achromatic Objective 1x, W.D.: 78mm	●	●	●
	Achromatic Objective 0.3x, W.D.: 276mm	○	○	○
	Achromatic Objective 0.5x, W.D.: 195mm	○	○	○
	Plan Apochromatic Objective 0.5x, W.D.: 126mm	○	○	○
	Plan Achromatic Objective 2x, 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





## 14. 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 $\times$ , 4 $\times$ , 6 $\times$  objectives are standard, 8 $\times$ , 10 $\times$ , 15 $\times$  and 6 $\times$ 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	2x high quality optical head without eyepieces	●	●	●
Objective	2x, WD: 208mm, FOV: 68mm	●	●	●
	4x, WD: 98mm, FOV: 34mm	●	●	●
	6x, WD: 80mm, FOV: 22.7mm	●	●	●
	8x, WD: 58mm, FOV: 17mm	○	○	○
	10x, WD: 46mm, FOV: 13.6mm	○	○	○
	15x, WD: 50mm, FOV: 9.1mm	○	○	○
	6xSL(Super Long working distance), WD: 115mm, FOV: 22.7mm	○	○	○
Total magnification	4x-12x	●	●	●
Illumination	3W built-in LED illumination with external control box	●	●	●
Stand	Column height 500mm, moving range 175mm, Base 400x300x20mm	●		
	Column height 580mm, moving range 330mm, Base 400x300x20mm, stage size: 210x190mm		●	
	Universal stand can be fixed on table			●
Focus	Coarse focus with focus knob on stand	●	●	
	Focus with handle on head			●

Note: ● Standard Outfit, ○ Optional

## 15. BS-3080 Parallel Light Zoom Stereo Microscope



BS-3080

### Introduction

BS-3080 is a research level zoom stereo microscope with infinite parallel Galileo optical system. Based on Galileo optical system and Apochromatic objective, it can provide real and perfect microscopic images on details. The excellent ergonomics and user-friendly operating system can truly allow users to experience a simple and comfortable work. The Mirror in the base can be 360 ° rotatable to achieve the best observation results. BS-3080 can meet the research demands of life sciences, biomedicine, microelectronics, semiconductors, materials science and other fields of research needs.

### Feature

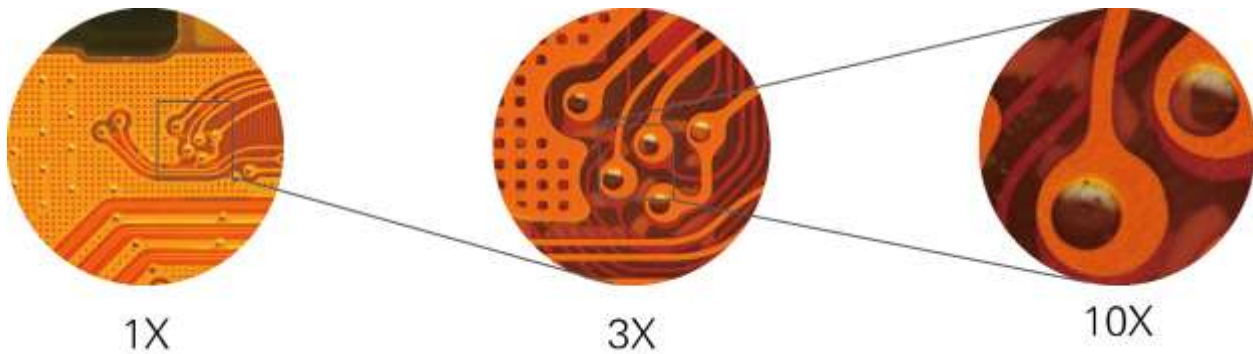
#### 1. Tilting viewing head for comfortable operation.

Tilting viewing head from 5 to 45 degrees, can be flexibly adjusted for different operators with different posture.



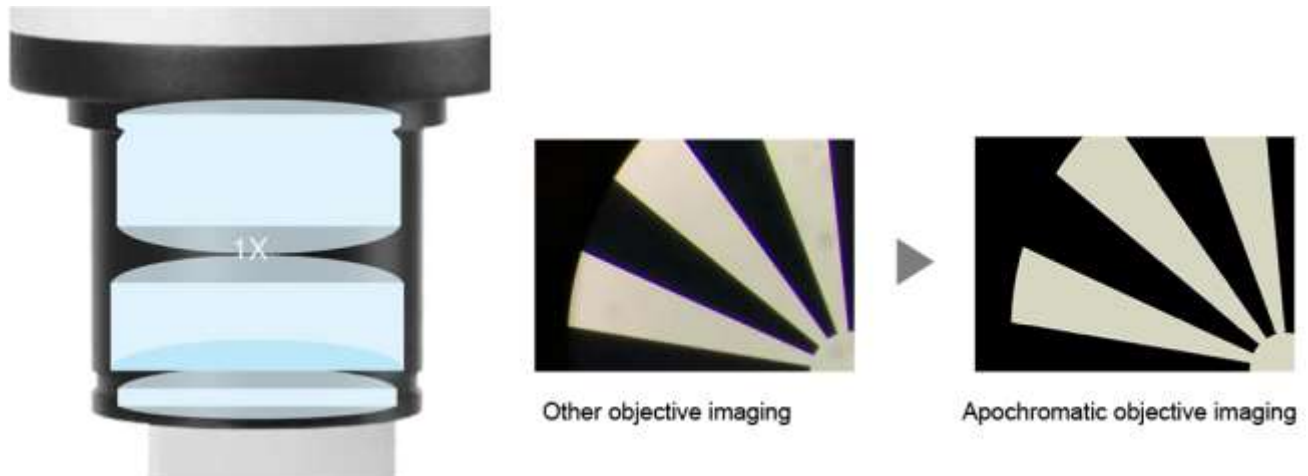
## 2. Large zoom ratio 12.5:1.

BS-3080 has large zoom ratio of 12.5:1, zoom range from 0.8X to 10X, with click stop for main magnifications, the images remain clear and smooth during zoom magnifying.



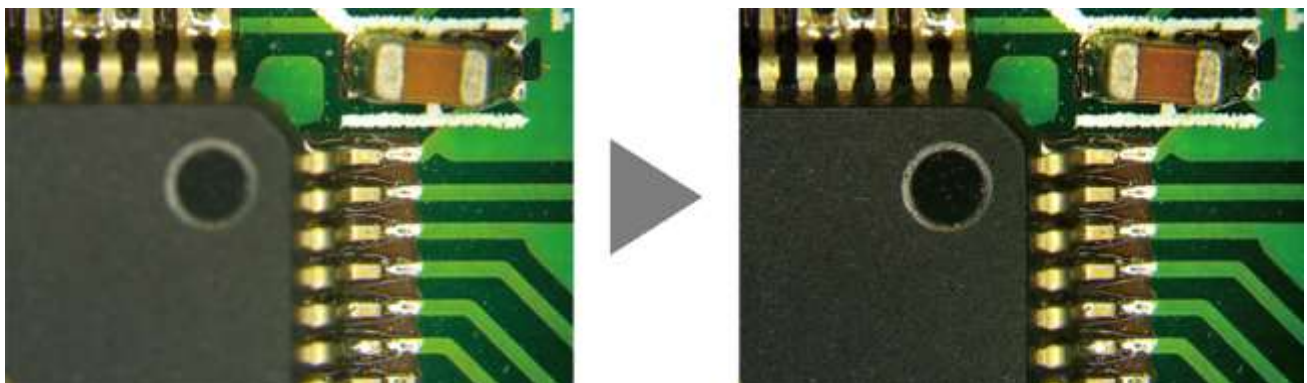
## 3. Apochromatic objective.

Apochromatic design has significantly improved the color reproduction of the objective. Correcting the axial chromatic aberration of red/green/blue/purple, and converge them on a focal plane, the objective is able to present the real color of the samples. 2X apochromatic objective is optional.



## 4. Aperture diaphragm adjustment.

Shift the aperture diaphragm lever in front of the microscope to adjust depth of field for high-quality image.



## Application

BS-3080 has great value in a variety of applications such as life science and medical research, including dissection, IVF, biological experiment, chemical analysis and cell culture. It also can be used in Industrial areas for PCB, SMT

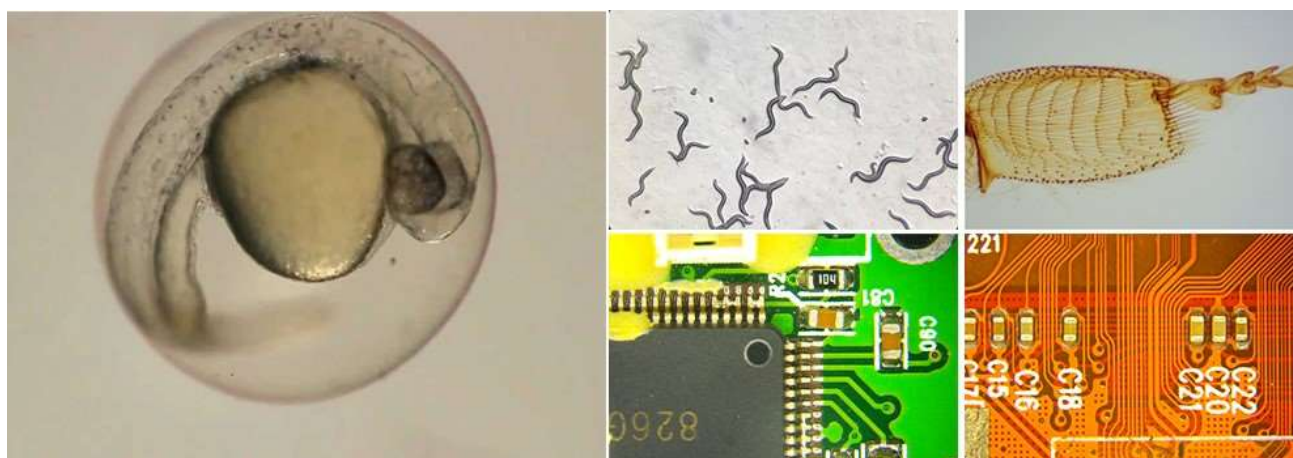
surface, electronics inspection, semiconductor chip inspection, metal and materials testing, precision parts testing, coin collecting, gemology and gemstone setting, engraving, repair and inspection of small parts.

## Specification

Item	Specification	BS-3080
Optical System	Infinite Parallel Galileo Zoom Optical System	●
Viewing Head	Tilting trinocular viewing head, 5-45 degree adjustable; binocular: trinocular=100:0 or 0:100; interpupillary distance 50-76mm; fixed eyepiece tube with lock screw	●
	30 degree inclined trinocular head; binocular: trinocular=50: 50; interpupillary distance 50-76mm; fixed eyepiece tube with lock screw	○
Eyepiece	High eye-point wide field plan eyepiece PL10×/23mm, diopter adjustable	●
	High eye-point wide field plan eyepiece PL15×/16mm, diopter adjustable	○
	High eye-point wide field plan eyepiece PL20×/12.5mm, diopter adjustable	○
Zoom Range	Zoom range: 0.8X-10X, click stop for 0.8×, 1×, 1.5×, 2×, 3×, 4×, 5×, 6×, 8×, 10×, with built-in aperture diaphragm	●
Objective	Plan Apochromatic Objective 1×, W.D.: 78mm	●
	Plan Apochromatic Objective 2×, W.D.: 20mm	○
Zoom Ratio	1: 12.5	●
Focusing Unit	Coarse and fine coaxial focus system, integrated body with focus holder, coarse range: 50mm, fine precision 0.002mm	●
Base	Plan base with transmitted illumination (work with external 5W LED fiber); built-in 360 degree rotatable mirror, location and angle adjustable	●
Illumination	5W LED light box (size: 270×100×130mm) with single fiber (500mm), color temperature 5000-5500K; operating voltage 100-240VAC/50-60Hz, output 12V	●
	LED Ring light	○
Camera Adapter	0.35×/0.5×/0.65×/1× C-mount adapters	○

Note: ● Standard Outfit, ○ Optional

## Sample Image





## Accessories of Stereo Microscope

### 1. Halogen Cold Light Source

#### (1) BSL-150A Series Cold Light Illumination



#### Introduction

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

#### Feature

1. More stable power supply with CE standard electrical parts.
2. With delay startup design to protect eyes and electrical parts from sudden brightness.
3. Enhancing the security with skillful power off switch.
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	BSL-150A-1	BSL-150A-2	BSL-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) BSL2-150A Cold Light Source



Single Rigid Fiber



Double Rigid Fiber



Ring Flexible Fiber

### Introduction

BSL2-150A Cold Light Source is designed as an auxiliary lighting device for stereo and other microscopes to get better observation results. The Cold light source provides high quality illumination, long working life and saves energy.

### Features

1. More stable power supply with CE standard electrical parts and circuit.
2. Reliable with stable structure.
3. Long working life and low noise.
4. Filter holder is available to change the color temperature from 3000K to 5000K.



**Specification**

Item	Specification	BSL2-150A-1	BSL2-150A-2	BSL2-150A-O
Power Supplier	Input Voltage: 176V-265V, 50Hz (110V is optional)	●	●	●
	21V/150W, Philips Lamp (Lamp Model No.: 13629)			
	Lamp Life: 500 hours			
	Color temperature: 3000K			
	Illuminance: 100000Lx			
	Brightness Adjustable			
	Optical Fiber Interface: Φ16mm			
	Cooling: Built In Large-area Radiator and Cooling Fan			
	Size: 230mm×101.6mm×150mm			
	Gross Weight: 2.7 kgs (Optical Fiber not included)			
	Net Weight: 2.1 kgs (Optical Fiber not included)			
Single Light Guide	Single Rigid Fiber, length 550mm, diameter 8mm, with Condenser, 5/8" Standard Interface	●		
Dual Light Guide	Double Rigid Fiber, length 550mm, diameter 8mm, with Condenser, 5/8" Standard Interface		●	
Ring Light Guide	Ring Flexible Fiber, length 550mm, diameter 8mm, 5/8" Standard Interface, Adapter Ring Size Φ50mm/ Φ60mm			●
Filter Holder	Used to change the color temperature	●	●	●
Filter	Light Blue	●	●	●
	Navy Blue, Red, Green	○	○	○
Package	1 set/carton, 285mm×230mm×255mm, 3kg	●	●	●
	4 sets/carton, 540mm*320mm*470mm, 12kg	●	●	●

Note: ● Standard Outfit, ○ Optional

## 2. LED Light Source

### (1) BSL-5A LED Light Source



Power supply with single flexible fiber(light guide)



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.

### Feature

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.

### Specification

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 Φ50mm/ Φ60mm			•
Package	1 set/carton, 300*250*210mm, 2.3kg	•	•	•
	4 sets/carton, 540*320*470mm, 10kg	•	•	•

Note: ● Standard Outfit, ○ Optional

## (2) BSL-15A LED Light Source



Single Rigid Fiber



Double Rigid Fiber



Ring Flexible Fiber

### Introduction

BSL-15A LED Light Source is designed as an auxiliary lighting device for stereo and other microscopes to get better observation results. The LED light source provides high quality illumination, long working life and saves energy.

### Features

1. More stable power supply with CE standard electrical parts and circuit.
2. Reliable with stable structure.
3. Long working life and low noise.

**Specification**

Item	Specification	BSL-15A-1	BSL-15A-2	BSL-15A-O
Power Supplier	Input Voltage: 100V-240V/ 50-60Hz	●	●	●
	15W LED light lamp			
	Lamp Life: 50000 hours			
	The color temperature: 6000K			
	Illuminance: 90000Lx			
	Brightness Adjustable			
	Optical Fiber Interface: Φ16mm			
	Cooling: Built In Large-area Radiator and Cooling Fan			
	Size: 230mm×101.6mm×150mm			
	Gross Weight: 2.9 kgs (Optical Fiber not included)			
	Net Weight: 2.4 kgs (Optical Fiber not included)			
Single Light Guide	Single Rigid Fiber, length 550mm, diameter 8mm, with Condenser, 5/8" Standard Interface	●		
Dual Light Guide	Double Rigid Fiber, length 550mm, diameter 8mm, with Condenser, 5/8" Standard Interface		●	
Ring Light Guide	Ring Flexible Fiber, length 550mm, diameter 8mm, 5/8" Standard Interface, Adapter Ring Size Φ50mm/ Φ60mm			●
Package	1 set/carton, 285mm×230mm×255mm, 3kg	●	●	●
	4 sets/carton, 540mm*320mm*470mm, 12kg	●	●	●

Note: ● Standard Outfit, ○ Optional

### (3) BSL-3A LED Light Source



BSL-3A is a popular goose neck LED illuminator. It adopts LED as the light source, it has features of low energy consumption and long working life. It is mainly used as an auxiliary lighting source for stereo microscopes or other microscopes.

### Feature

1. Illumination intensity is adjustable, Step-less dimming.
2. Easy change detachable Gooseneck light guide, angle can be adjusted.
3. Adopt high refractive index glass lens, high brightness.

## Specification

LED Qty	2pcs LED lamps
Power Consumption	2*3W
Input Voltage	AC 100-240V, 50-60HZ
Color Temperature	Standard is 6400K, other color temperature can be customized
Goose-neck Length	550mm
Housing Material	Steel metal casing
Lumens	≈300lm
Working life	>10000 hours
Working Temperature	≤50° C
Packing	1pc/carton, 31x30x18cm, 2kg; 3pcs/carton, 32 x 32 x 57cm, 6kg

## (4) BSL-3B LED Light Source



BSL-3B is a popular goose neck LED illuminator. It adopts LED as the light source, it has features of low energy consumption and long working life. It is mainly used as an auxiliary lighting source for stereo microscopes or other microscopes.

## Feature

1. Illumination intensity is adjustable, Step-less dimming.
2. Easy change detachable Gooseneck light guide, angle can be adjusted.
3. Adopt high refractive index glass lens, high brightness.

## Specification



LED Qty	2pcs LED lamps
Power Consumption	6.5W
Input Voltage	AC 110-240V, 50-60HZ
Color Temperature	6500K
Goose-neck Length	400mm is standard, 500mm is optional
Housing Material	Steel metal casing
Illuminance	18000Lux (one light guide at 100mm working distance )
Working life	>10000 hours
Working Temperature	≤50° C
Packing	4pcs/carton, 53 x 41 x 23cm, 8kg

### 3. BAL-2, BAL-3 Fluorescent Ring Light



BAL-2B

BAL-2A/2C



BAL-3A

BAL-3B

BAL-3C

With high brightness and even illumination, simple structure and easy to operate, BAL-2, BAL-3 Series fluorescent ring light can be used as incident illumination for various stereo microscopes. The difference of BAL-2A and 2C is the lamp is different.

Model	BAL-2A	BAL-2B	BAL-2C	BAL-3A	BAL-3B	BAL-3C
Voltage	110V/220V					
Power	8w			10w		
Color Temperature	6400K-7000K					
Mounting Diameter	Φ30-Φ60mm					
Light adjustment	No Light adjustment					Light adjustment

## 4. LED Ring Light

### (1) 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 stereo microscopes.

Specification:

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

### (2) BAL-72 LED Ring Light



#### Application

BAL-72 LED ring light can be used as incident illumination on stereo microscopes and machine vision systems. It has four-zone lighting control separately, long working life and save energy features.

#### 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

LED Quantity	72LED lamps
Mounting Diameter	Φ62mm
Input Power	DC12V 600mA
Input Voltage	Universal 100-240V AC
Output Power	7.2W
Color Temperature	6500K
LED Luminance	> 15000mcd
LED Lifetime	50,000 hours
Working Distance	95-115mm
Standard Set	BAL-72 LED ring light, Light Control Box, DC12V Power Supply

### (3) BAL-48 series LED Ring Light



BAL-48A



BAL-48B



BAL-48C

BAL-48 series LED ring light are high quality light source featuring high brightness, low temperature and flash free, they can be used as auxiliary illumination for industrial monocular microscopes, stereo microscopes and similar lens.

#### Specification

Model	BAL-48A	BAL-48B	BAL-48C
Input Voltage	Universal 100-240V AC	Universal 100-240V AC	Universal 100-240V AC
Output Voltage	12V/DC	12V/DC	12V/DC
Current	240mA	240mA	240mA
Mounting Diameter	φ40mm, Outer Diameter: φ58mm	Φ62mm, Outer Diameter: φ100mm	Φ62mm, Outer Diameter: φ100mm
LED Quantity	48pcs LED lamps	48pcs LED lamps	48pcs LED lamps
LED Lifetime	100,000hrs	100,000hrs	100,000hrs
LED Color	White (Other Colors are Optional )	White (Other Colors are Optional )	White (Other Colors are Optional )
Color Temperature	±7000K	±7000K	±7000K
Luminance	16000-18000mcd	16000-18000mcd	16000-18000mcd
LED Angle	30° (Consistent)	30° (Consistent)	30° (Consistent)
Working Distance	40-90mm	40-90mm	40-90mm
Input Power	3 W	3 W	3 W
Light Control	Brightness Adjustment	Brightness Adjustment	Brightness Adjustment
Light head material	Aluminum	Plastic	Aluminum

Packing	BAL-48A LED ring light, Light Control Box, DC12V Power Supply	BAL-48B LED ring light, Light Control Box, DC12V Power Supply	BAL-48C LED ring light, Light Control Box, DC12V Power Supply
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#### (4) BAL-60A / 60B / 64 LED Ring Light



BAL-60A



BAL-60B/72B



BAL-64

#### Application

BAL-60A/60B/72B/64 LED ring light are simple and compact, they can be used as incident illumination on stereo microscopes and machine vision systems. BAL-60B has four-zone lighting control separately, these LED ring lights have long working life and save energy features.

#### Feature

1. Light intensity can be adjusted to get best contrast.
2. BAL-60B has Four-zone lighting control separately to enhance contrast and reduce reflection.
3. Reliability and Durability.
4. Low Power consumption, Super Brightness.
5. Reasonable Design, Uniformity Light, Non-flicker & Shadow.

#### Specification

Model	BAL-60A	BAL-60B/72B	BAL-64
LED Quantity	60 LED lamps	60/72 LED lamps	64 LED lamps
Color	Black	Black	White
Mounting Diameter	Φ60mm	Φ60mm	Φ60mm
Light Head Material	Plastic	Aluminum	Plastic
Input Power	DC12V	DC12V	DC12V
Input Voltage	Universal 100-240V AC	Universal 100-240V AC	Universal 100-240V AC
Color Temperature	6500K-7000K	6000K-6500K	6500K-7000K
LED Luminance	0-12000 Lux	0-16000 Lux	0-12000 Lux
LED Lifetime	50,000 hours	50,000 hours	50,000 hours
Brightness	0-100% adjustable	0-100% adjustable, 4 zone control separately	0-100% adjustable
Working Distance	30-120mm	60-120mm	30-120mm
Standard Set	BAL-60A LED ring light, DC12V Power Supply	BAL-60B/72B LED ring light, DC12V Power Supply	BAL-60B LED ring light, DC12V Power Supply

#### (5) BAL2A Series LED Ring Light



BAL2A-60/78

BAL2A series LED ring light have features of high brightness, low temperature and flash free, they can be used as auxiliary illumination for industrial monocular microscopes, stereo microscopes and similar lens.

### Feature

1. The power controlling adapter and light head adopt ABS plastic material, simple and smart.
2. Adopt  $\phi 5\text{mm}$  LED lamps, with excellent light focus effect and high efficiency.
3. Continues light intensity adjustment can meet different requirement.
4. Reliable circuit board ensures safety and long working life.
5. ESD treatment is optional.

### Specification

Model	BAL2A-60	BAL2A-78
Input Voltage	Universal 100-240V AC	Universal 100-240V AC
Input Power	6 W	7 W
Mounting Diameter	$\phi 60\text{mm}$	$\phi 70\text{mm}$
LED Quantity	60pcs LED lamps	78pcs LED lamps
LED Lifetime	50,000hrs	50,000hrs
LED Color	White (Other Colors can be customized )	White (Other Colors can be customized )
Color Temperature	6400K, other color temperature can be customized	6400K, other color temperature can be customized
Illuminance@100mm	24000lx	24000lx
Light Control	Brightness Adjustable	Brightness Adjustable
Light head material	ABS Plastic	ABS Plastic
Packing	BAL2A-60 LED ring light head, Light Control Box, Power cable	BAL2A-78 LED ring light head, Light Control Box, Power cable

## (6) BAL2B Series LED Ring Light



**BAL2B-60/78**

BAL2B series LED ring light have features of high brightness, low temperature and flash free, they can be used as auxiliary illumination for industrial monocular microscopes, stereo microscopes and similar lens.

### Feature

1. The light head adopt ABS plastic material and  $\phi 5\text{mm}$  LED lamps, with excellent light focus effect and high efficiency.
2. The power controlling adapter adopt aluminum case, solid and reliable.
3. Continues light intensity adjustment can meet different requirement.
4. Reliable circuit board ensures safety and long working life.
5. ESD light head treatment is optional.

### Specification

Model	BAL2B-60	BAL2B-78
Input Voltage	Universal 100-240V AC	Universal 100-240V AC
Input Power	5 W	6 W
Mounting Diameter	$\phi 61\text{mm}$	$\phi 70\text{mm}$
LED Quantity	60pcs LED lamps	78pcs LED lamps
LED Lifetime	50,000hrs	50,000hrs
LED Color	White (Other Colors can be customized )	White (Other Colors can be customized )
Color Temperature	6400K, other color temperature can be customized	6400K, other color temperature can be customized
Illuminance@100mm	24000lx	25000lx
Light Control	Brightness Adjustable	Brightness Adjustable
Light head material	ABS Plastic	ABS Plastic
Packing	BAL2B-60 LED ring light head, Aluminum Light Control Box, Power cable	BAL2B-78 LED ring light head, Aluminum Light Control Box, Power cable



## (7) BAL2B-78P Polarizing LED ring light



BAL2B-78P

BAL2B-78P Polarizing LED ring light has features of high brightness, low temperature and flash free, it can be used as auxiliary illumination for industrial monocular microscopes, stereo microscopes and similar lens. It adopt a high extinction ratio polarizing set, can be used to observe or analyse surface of high reflective materials.

### Feature

1. The light head adopt ABS plastic material and  $\phi 5\text{mm}$  LED lamps, with excellent light focus effect and high efficiency.
2. The power controlling adapter adopt aluminum case, solid and reliable.
3. With polarizing set, can reduce the reflective light on the surface of materials, improve the observation result.
4. Continues light intensity adjustment can meet different requirement.
5. Reliable circuit board ensures safety and long working life.
6. ESD light head treatment is optional.

### Specification

Model	BAL2B-78
Input Voltage	Universal 100-240V AC
Input Power	6 W
Mounting Diameter	$\phi 70\text{mm}$
Outside Diameter of light head	$\phi 104\text{mm}$
LED Quantity	78pcs LED lamps
LED Lifetime	50,000hrs
LED Color	White (Other Colors can be customized )
Color Temperature	6400K, other color temperature can be customized

Illuminance@100mm	25000lx
Light Control	Brightness Adjustable
Light head material	ABS Plastic
Polarizing Set	Polarizer and Analyzer (Polarizer is 360° adjustable)
Packing	BAL2B-78 LED ring light head, Aluminum Light Control Box, Power cable, Polarizing set

## 5. Stand and other accessories



<b>BSZ-F1 Stand</b> Column height: 400mm, Φ38mm Column for focus Arm: Φ30mm	<b>BSZ-F2 Stand</b> Column height: 454mm, Φ29.5mm Base size: 396*276mm Column for focus Arm: Φ30mm	<b>BSZ-F3 Stand</b> Column height: 490mm, Φ38mm Base size: 253*253mm Cross bar length: 446mm Column for focus Arm: Φ30mm
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<b>BSZ-F4 Stand</b> Column for focus Arm: Φ30mm	<b>BSZ-F9 Stand</b> Column height: 280mm Glass plate: Φ100mm Microscope mount: Φ76mm	<b>BSZ-F10 Stand</b> Column height: 280mm Glass plate: Φ140mm Microscope mount: Φ76mm
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<b>BSZ-F11 Stand</b> Column height: 280mm Glass plate: Φ100mm Microscope mount: Φ76mm	<b>BSZ-F12 Stand</b> Halogen incident and transmitted illumination Microscope mount: Φ76mm	<b>BSZ-F13 Stand</b> Clamp Size: 103*77*115mm Max. Table thickness: 52mm Length of Horizontal Arm: 507mm Microscope mount: Φ76/Φ40/Φ45mm
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<b>BSZ-F14 Stand</b> Base Size: 382*260*24mm Column height: 408mm, Φ32mm Microscope mount: Φ76/Φ40/Φ45mm	<b>BSZ-F15 Stand</b> Base Size: 382*260*24mm Column height: 408mm, Φ32mm Cross bar Length: 408mm Microscope mount: Φ76/Φ40/Φ45mm	<b>BSZ-F16 Stand</b> Base Size: 318*308*16mm Column height: 326mm Focusing Range: 160mm Microscope mount: Φ76/Φ40/Φ45mm
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<b>BSZ-F17 Stand</b> Base Size: 318*308*16mm Column height: 326mm Focusing Range: 160mm Microscope Arm: Φ76/Φ40/Φ45mm	<b>BSZ-F18 Stand</b> Base Size: 318*308*16mm Column height: 500mm Focusing Range: 160mm Microscope Arm: Φ76/Φ40/Φ45mm	<b>BSZ-F19 Stand(For Camera)</b> Base Size: 318*308*16mm Column height: 326mm Focusing Range: 160mm
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<b>BMS-302 X-Y Stage</b> Stage Size: 180×155×26mm, Moving Rang: X-75mm, Y-55mm, Accuracy: 0.1mm	<b>BMS-311 Measuring Stage</b> Stage Size: 160×123×21mm, Moving Rang: X-75mm, Y-50mm, Accuracy: 0.1mm	<b>BMS-304 X-Y Stage</b> Stage size: 254×203×25mm, Moving Range: 100mm×100mm, Glass Stage: Φ 140mm
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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

1. Big stage with extra large moving range 250×250mm.
2. Well designed structure, easy to operate.
3. Excellent optical quality with Infinite Optical System and LWD high magnification objective.
4. Stage speedy movement by hand to get observation point immediately.
5. Easy, Safe and Reliable Lamp Replacement.
6. 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

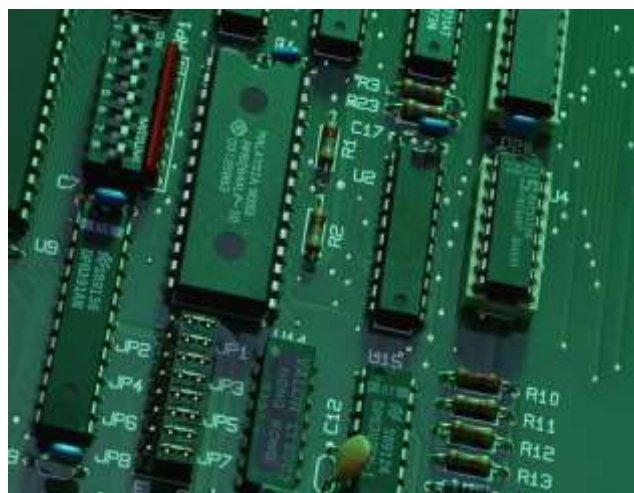
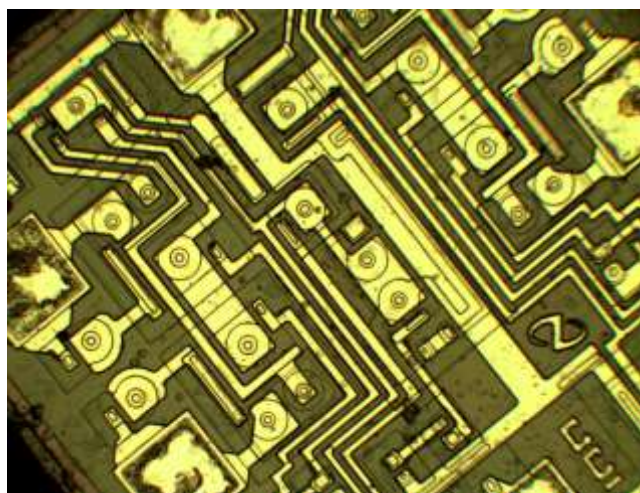
It is specially used in IT Industry for Large Area Integrate Circuit board, Wafer Observation and other industrial Inspection.

## 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	○	●
		100×/0.8/∞/0 WD 2.0mm	○	●
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

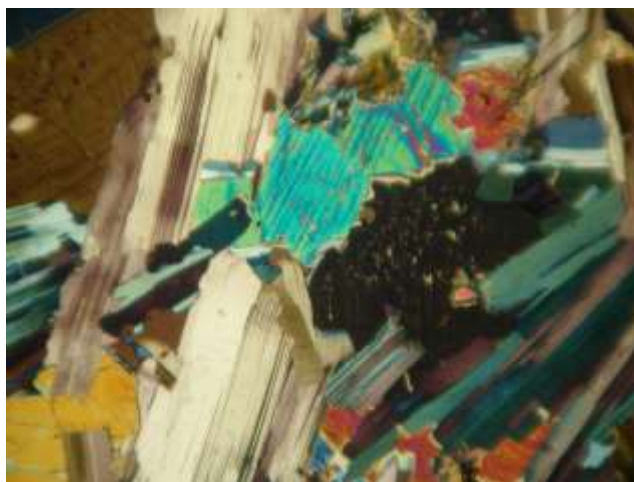
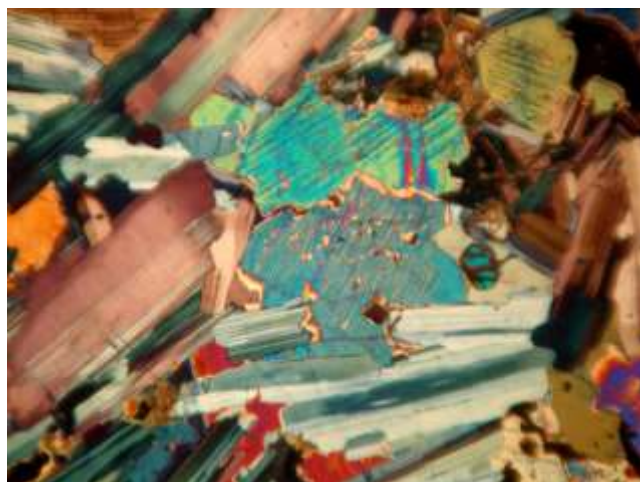
Item	Specification	BS-5020
Eyepiece	Eyepiece WF10×/18 with scale of cross hair	•
	Eyepiece WF10×/18 with graticule	•
	Eyepiece WF10×/18	•
	Eyepiece WF5×/20	•
Objective	Strain free achromatic objective 4×, 10×, 25×, 40×, 63×	•
Bertrand Lens	Bertrand lens, Sliding in/out of optical path	•



Optical Compensator	$\lambda$ Slip (first class red), $1/4\lambda$ Slip, Quartz wedge	●
Revolving Round Stage	Diameter $\Phi 130\text{mm}$ , Graduated in $1^\circ$ increments, Minimum resolution $6'$ when using vernier scale	●
Condenser	NA1.25 Abbe condenser with iris diaphragm & filter	●
Polarizer	$360^\circ$ 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	$\lambda$ Slip(First class red), 1/ 4 $\lambda$ Slip, Quartz wedge	•	•
Stage	Revolving Round Stage, Diameter $\Phi$ 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 Infinite Plan Objectives which offers a magnification range of 40X – 400X. Digital camera can be used together with BS-5040T for image analysis.

#### Feature

1. Color Corrected Infinite Optical System.
2. Infinite 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.

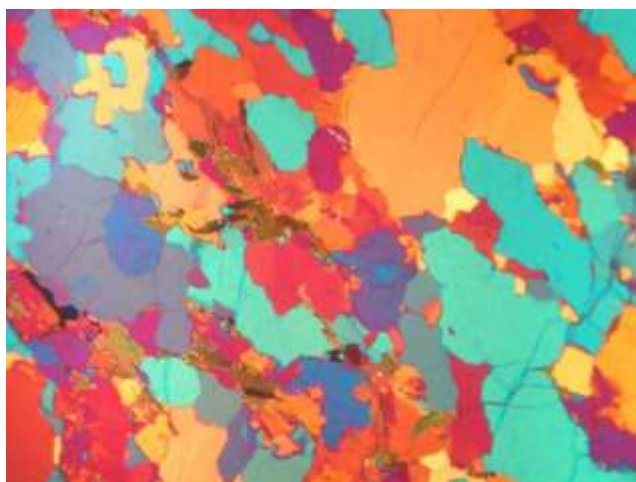
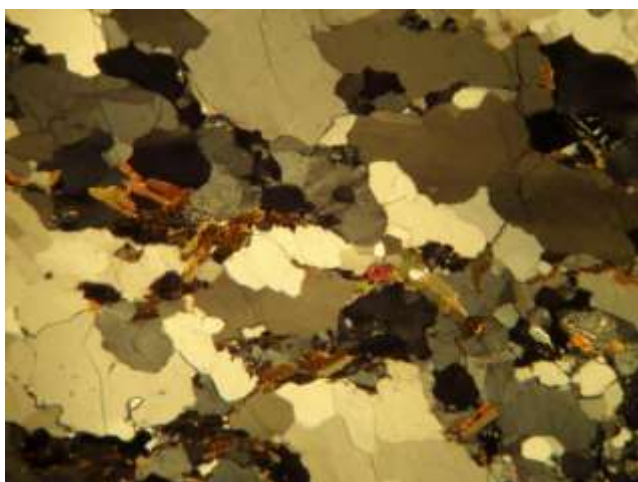
#### Specification

Item	Specification	BS-5040B	BS-5040T
Optical System	Color Corrected Infinite Optical System	•	•
Viewing Head	Seidentopf Binocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm.	•	
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-75mm. Light Distribution: 20:80		•

Eyepiece	WF 10×/18mm		●	●
	WF 10×/18mm (Reticule 0.1mm)		●	●
Objective	Strain-free Infinite Plan Objective	4×	●	●
		10×	●	●
		20× (S)	●	●
		40× (S)	●	●
		60× (S)	○	○
Nosepiece	Center Adjustable Quadruple Nosepiece		●	●
Focusing	Coaxial Coarse & Fine Focusing knobs, Travel Range: 26mm, Scale:2um		●	●
Analyzing Unit	0-90°, it can be moved out of the optical path for single polarizing observe		●	●
Bertrand Lens	It can be moved out of the optical path		●	●
Optical Compensator	$\lambda$ Slip, First Class Red		●	●
	1/4 $\lambda$ Slip		●	●
	( I -IV Class) Quartz Wedge		●	●
Stage	360° Rotatable Round Stage, Center Adjustable, Division 1°, Vernier division 6', can be locked, stage diameter 146mm		●	●
	Polarizing Attached Mechanical Stage		○	○
Condenser	Abbe N.A. 1.25 Strain-free condenser		●	●
Polarizing Unit	With Scale Rotatable 360°, Can Be Locked, It can be moved out of the optical path		●	●
Illumination	6V/20W Halogen Lamp		●	●
	6V/30W Halogen Lamp		○	○
Filter	Blue(Built in)		●	●
	Amber		○	○
	Green		○	○
	Neutral		○	○
C-mount	1×			○
	0.5× (Focus adjustable)			●
Package	1pc/carton, 57×27.5×45cm, Gross Weight: 8.6 kgs		●	●

Note: ● Standard outfits, ○ Optional.

## Sample Image





## 4. BS-5062 Polarizing Microscope



BS-5062T



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.



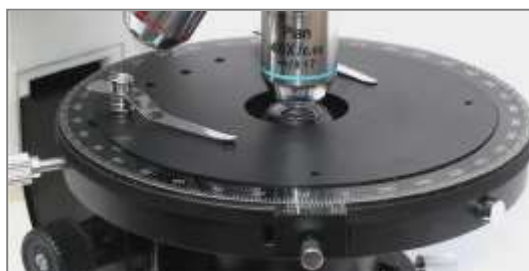
Professional dedicated polarizing binocular / trinocular head can keep the cross in the right-hand eyepiece always same when the eyepiece tubes turned.



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.

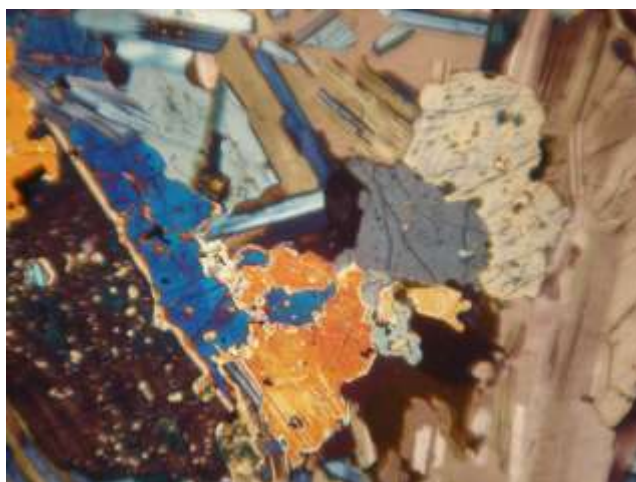
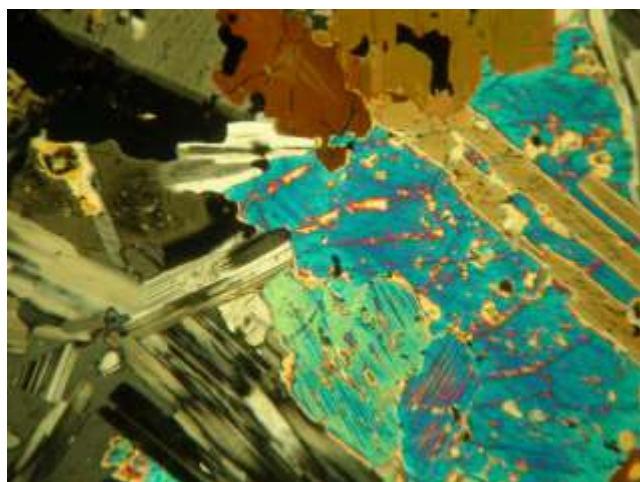
## Specification

Item	Specification	BS-5062B	BS-5062 BR	BS-5062 BTR
Optical System	Infinite Optical System	•	•	•
Viewing Head	Seidentopf Binocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-76mm.	•	•	•
	Seidentopf Trinocular Head, inclined at 30°, 360° Rotatable, Interpupillary Distance: 48-76mm, Light distribution (both) 100: 0 (100% for eyepiece), 80:20 (80% for trinocular head and 20% for eyepiece)	○	○	○
Eyepiece	WF10×/22mm	•		
	WF10×/22 mm (Reticule 0.1mm)	•		
	WF10×/20 mm		•	•
	WF10×/20 mm (Reticule 0.1mm)		•	•
Infinite Strain Free Plan Achromatic Objective (Transmitted)	4×/0.10 W.D=10.0mm	•		•
	10×/0.25 W.D=2.1mm	•		•
	20×/0.40(S) W.D=2.41mm	•		•
	40×/0.66(S) W.D=0.45mm	•		•
	60×/0.80 (S) W.D=0.33mm	○		○
LWD Infinite Strain Free	5×/0.13 (S) W.D=24.23mm		•	○

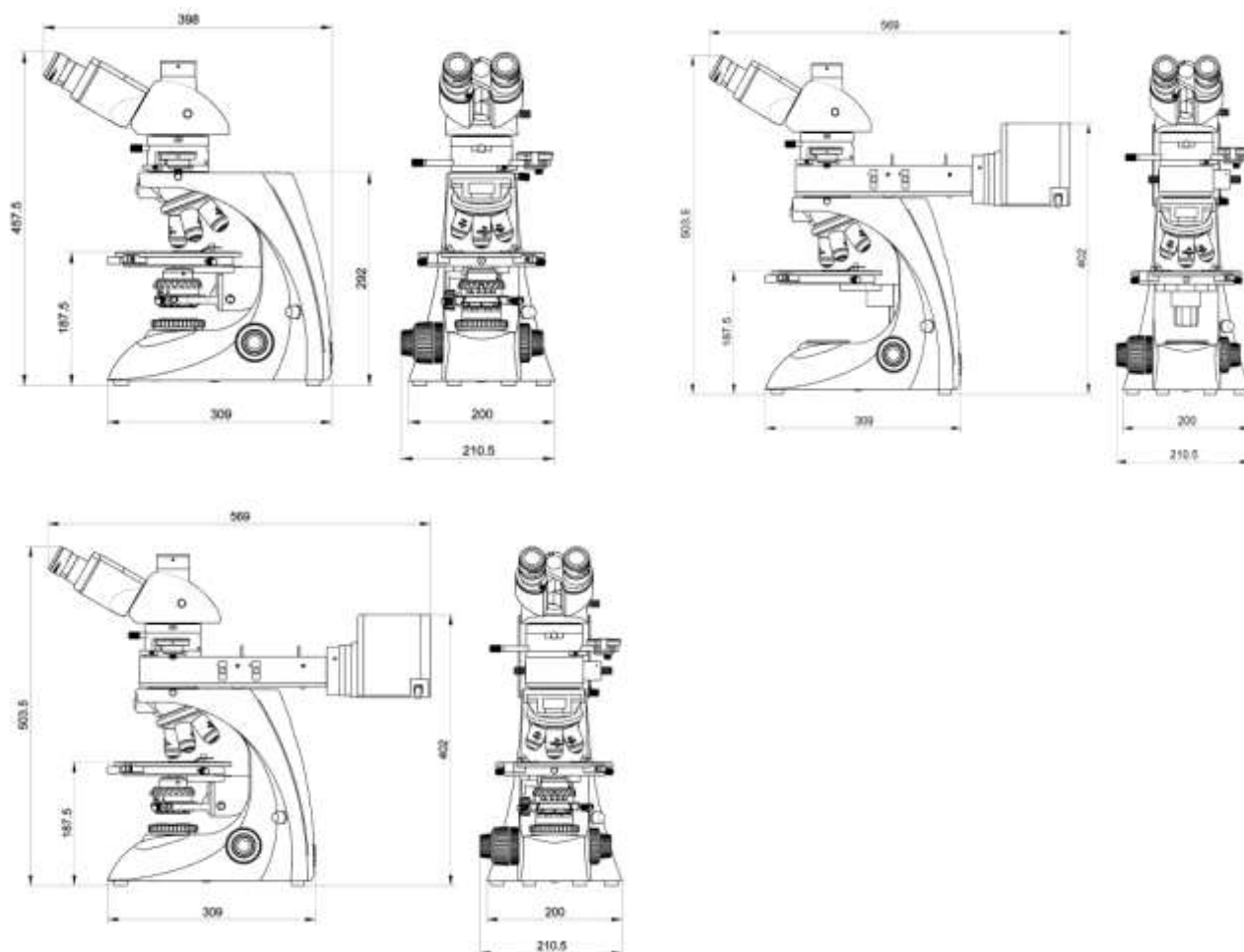
Plan Achromatic	10x/0.25 (S) W.D=18.48mm		●	○
Objective (Reflected)	20x/0.40 (S) W.D=8.35mm		●	○
	50x/0.70 (S) W.D=1.95mm		●	●
Nosepiece	Backward Quintuple nosepiece, center adjustable	●	●	●
Analyzer Unit	Rotatable 360°, module type, can be locked	●	●	●
Bertrand Lens	Built In, Center Adjustable	●	●	●
Optical Compensator	$\lambda$ Slip(First Class Red), 1/4 $\lambda$ Slip, Quartz Wedge ( I - IV Class)	●	●	●
Revolving Round Stage	Diameter $\Phi$ 156mm, Rotatable 360°, Center Adjustable, Division 1°, Vernier Division 6'	●	●	●
Attachable 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 condenser	●		●
Polarizing Unit	with Scale, Rotatable 360°, Can Be Locked	●		●
Transmitted Illumination	Koehler Illumination 6V/20W Halogen Lamp (Input voltage:100V~240V)	●		●
	Koehler Illumination 6V/30W Halogen Lamp (Input voltage:100V~240V)	○		○
Reflecting Polarizing Unit	With field diaphragm, aperture diaphragm, polarizer, 12V/50W halogen lamp (Input voltage:100V~240V)		●	●
Filter	Blue	●	●	●
	Amber	○	○	○
	Green	○	○	○
	Neutral	○	○	○
C-mount	1x	○	○	○
	0.5x (Focus adjustable)	○	○	○

Note: ● Standard Outfit, ○ Optional

## Sample Image



## Dimension



## 5. BS-5070 Polarizing Microscope



BS-5070B



BS-5070BTR

### Introduction

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, othorgonal polarization and conoscpic 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, othorgonal polarization or conoscpic observation is available.
4. Transmitted and reflected illumination system of BS-5070BTR and BS-5070TTR offers a much better effect and wider application.
5. Attachable stage is optional.



## Application

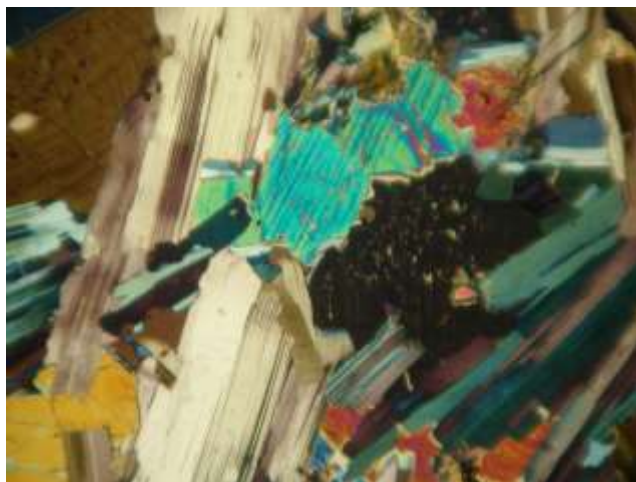
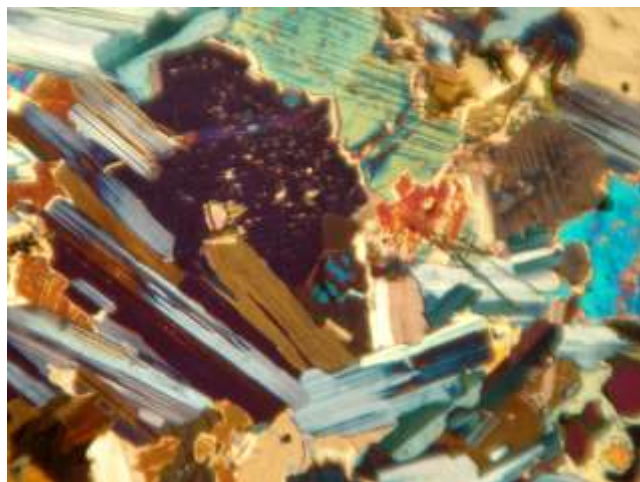
BS-5070 series polarizing microscopes are ideal instrument in geology, petroleum, coal, mineral, chemicals fiber, semiconductor and pharmaceutical industry for structure identify and analysis. They can be widely used in material research, academic demonstration, scientific research, university teaching laboratories and other sectors.

## 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	●	●
	WF10×/ 20mm with cross hair	●	●
	WF10×/ 20mm with scale of cross hair	●	●
Infinite strain free plan achromatic objective	Objective 4×, 10× for Reflected/Transmitted System	●	●
	Objective 20×, 40×, 60× for Transmitted System	●	●
	Objective 100× for Transmitted System	○	○
	Objective 20×, 40×, 60×, 100× 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	●	●
Focusing	Coaxial Coarse & Fine Adjustment, Range 24mm, Fine Division 0.002mm	●	●
Polarizer	360° Rotatable with Filter	●	●
Transmitted Illumination	12V/ 20W Halogen Lamp, Brightness Adjustable	●	●
Accessories	C- Mount 0.4×	○	○
	2× SLR Camera adapter for Nikon or Canon DSLR camera	○	○
	Mechanical stage, moving range 30×40mm	○	○
	Specimen presser	○	○
	Micrometer 0.01mm	●	●
	Filter	●	●

Note: ● Standard Outfit, ○ Optional

**Sample Image**





## 6. 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, conoscope observation and photography with the microscope. This microscope is a set of powerful and good quality polarizing microscope.

### Feature

1. Supply high quality and contrast image with special strain free objectives.
2. Can be used for single polarization, othogonal polarization and conosopic observation.
3. Transmitted illumination, 24V/100W long life halogen lamp.
4. Stage with 45° located, attachable mechanical stage with large moving range, no interference when change objectives.
5. Gypsum  $\lambda$  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 in university colleges, industrial laboratories and other institutions for teaching, research and production.

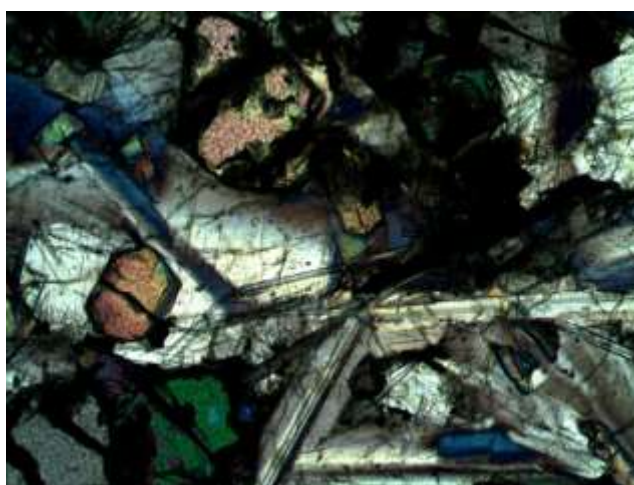
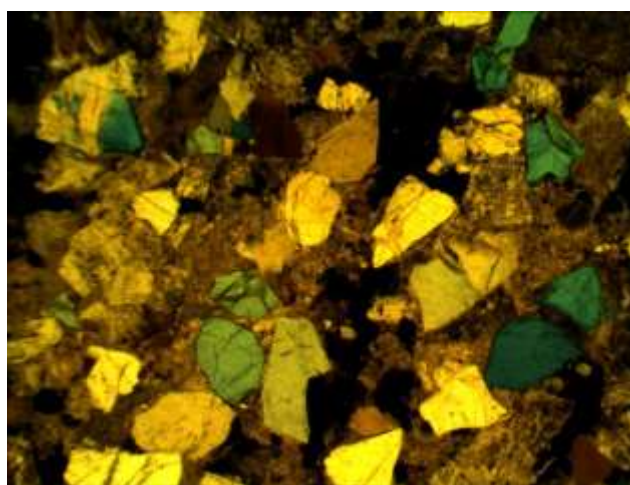
### Specification

Item	Specification	BS-5092
Optical System	Infinite Optical System	•
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpupillary 48-75mm	•

Eyepiece	Plan eyepiece EW10×/22mm	●
	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×/0.40/∞/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° (Vernier scale)	●
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



## 7. 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, conoscope observation and photography with the microscope. Gypsum  $\lambda$  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  $\lambda$  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

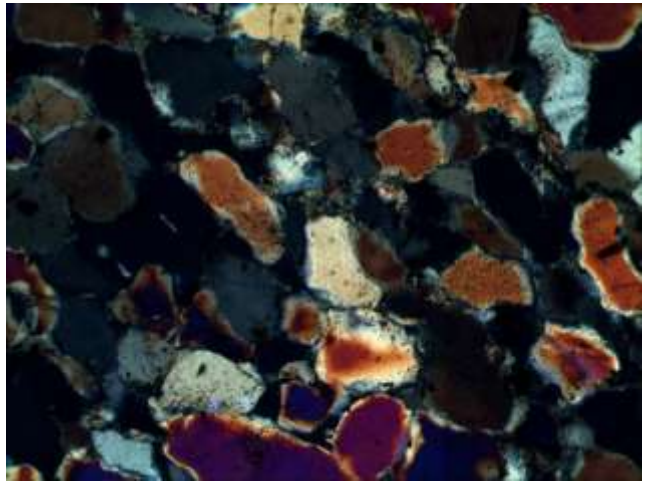
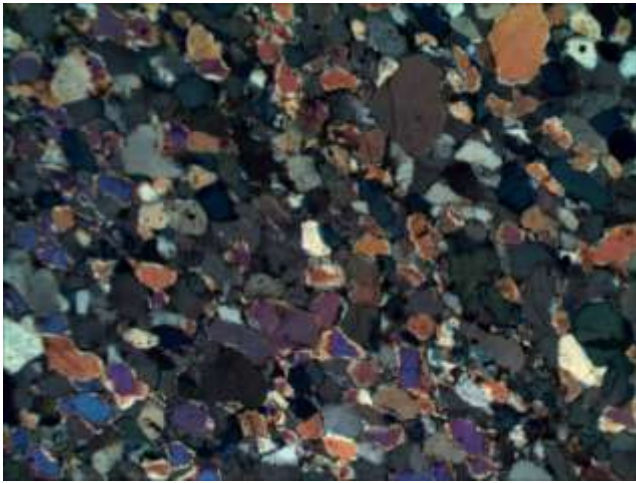
BS-5092 series transmitted and (or) reflected polarizing microscopes can be used for university colleges, geology, mining, metallurgy, pharmacy and other institutions for teaching, research and production.

## Specification

Item	Specification	BS-5092RF	BS-5092TRF
Optical System	Infinite Optical System	●	●
Viewing Head	Seidentopf trinocular head, Inclined at 30°, Interpuillary 48-75mm	●	●
Eyepiece	Plan eyepiece EW10×/22mm	●	●
	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	●	●
	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	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



BS-6000A



BS-6000AT(Transmitted)

### Introduction

BS-6000A series metallurgical microscopes are designed for metallography analysis. With excellent optical system, ingenious stand and convenient operation, they will be your best choice.

### Feature

1. Excellent infinite optical system.
2. High magnification objective with long working distance.
3. Comfortable operation with low position focus knob.
4. Easy, safe and reliable lamp replacement device.

### Application

BS-6000A series metallurgical microscopes are widely used in industrial areas for PCB board, LCD display, metal structure observation and inspection. It also can be used in colleagues for metallography education and research.

### Specification

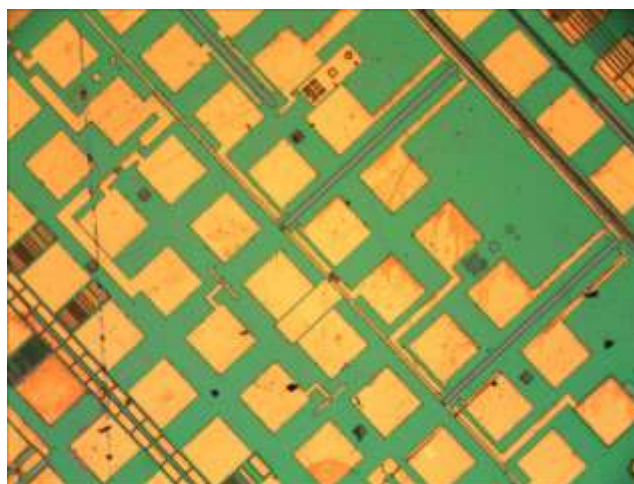
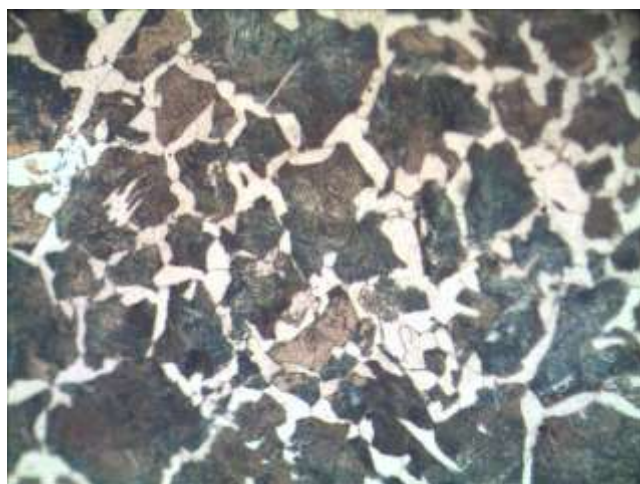
Item	Specification	BS-6000A	BS-6000AT
Viewing Head	Seidentopf type binocular head, inclined at 30°, 360° rotatable, interpupillary distance 48-75mm	●	
	Seidentopf type trinocular head, inclined at 30°, 360° rotatable, interpupillary distance 48-75mm, Light distribution: 20:80		●
Eyepiece	WF10×/18mm	●	●
	WF8×/18mm	○	○
	WF10×/18mm with 0.1mm Micrometer & cross hair	○	○
	WF12.5×/15mm	○	○



Infinite Plan Achromatic Objectives	4x/0.1/∞/- WD 17.3mm	●	●
	5x/0.12/∞/- WD 15.5mm	○	○
	10x/0.25/∞/- WD 10.0mm	●	●
	20x/0.40/∞/0 WD 5.8mm	○	○
	40x/0.60/∞/0 WD 2.9mm	●	●
	40x/0.65/∞/0 WD 0.52mm	○	○
	50x/0.75/∞/0 WD 0.32mm	○	○
	80x/0.90/∞/0 WD 0.2mm	○	○
	100x/0.80/∞/0 WD 2mm	○	○
Nosepiece	Quadruple Nosepiece	●	●
Stage	Double layer mechanical stage 150x140mm, moving range 75x50mm	●	●
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	●	●
	Kohler Illumination, Epi-illuminator with iris aperture diaphragm and iris field diaphragm, 3W LED illumination, Brightness adjustable	○	○
	Transmitted Illumination, 6V/20W Halogen Lamp, Brightness Adjustable	○	○
Filters	Blue, Green, Yellow & Ground filters	●	●
Polarizing Set	Polarizer and Analyzer	○	○
Specimen Presser	For metallurgical specimen preparation	○	○
Photo Adapter	Used to connect DSLR camera to the microscope	○	○
Video Adapter	1x, 0.5x 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, other non-metallic materials and so on.

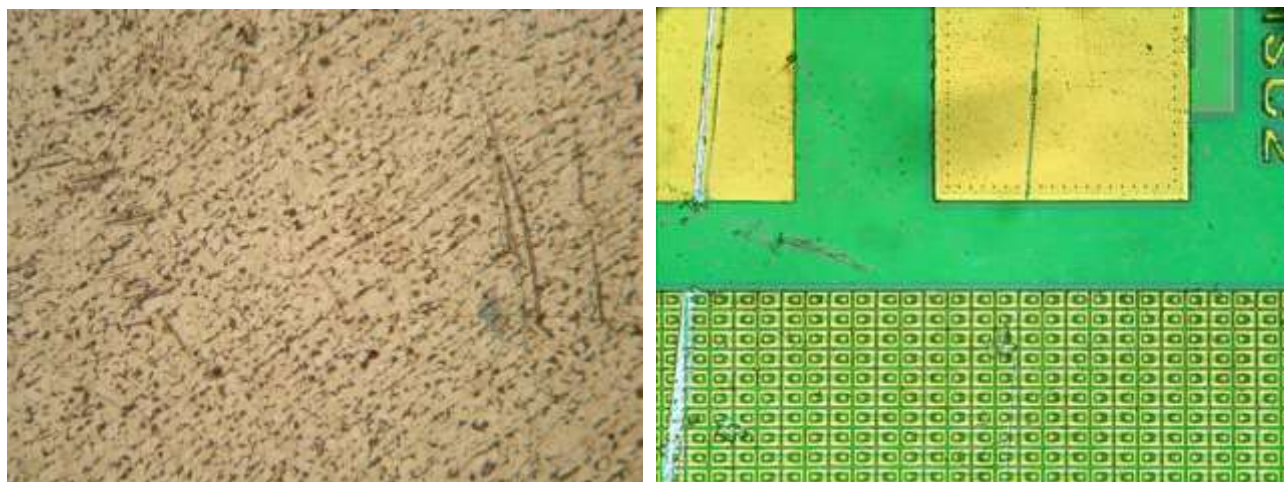
### Specification

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	●

	40x/0.60/∞/0 WD 2.9mm	○
	50x/0.75/∞/0 WD 0.32mm	○
	80x/0.90/∞/0 WD 0.2mm	○
	100x/0.80/∞/0 WD 2mm	○
Nosepiece	Quintuple nosepiece	●
Stage	Plain stage with slide clips	●
	Attachable mechanical stage, X-Y coaxial control, moving range 120x78mm	○
	Double layer mechanical stage 226x178mm, Moving range 50x50mm	○
	Auxiliary stage	○
Focusing	Coaxial coarse & fine adjustment, Vertical objective movement, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation, Fine Division 0.002mm. Moving range upto 8mm, down 3mm	●
Kohler Illumination	Halogen lamp 6V/ 30W, Kohler illumination	●
Filter	Blue, Yellow, Green and 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	1x, 0.5x C-mount adapter	○

Note: ●Standard parts ○Optional parts

## Sample Image



### 3. BS-6002R/TR Metallurgical Microscope



BS-6002TR



BS-6002TTR

#### 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: 48-76mm, Tube diameter: 30mm	•	•

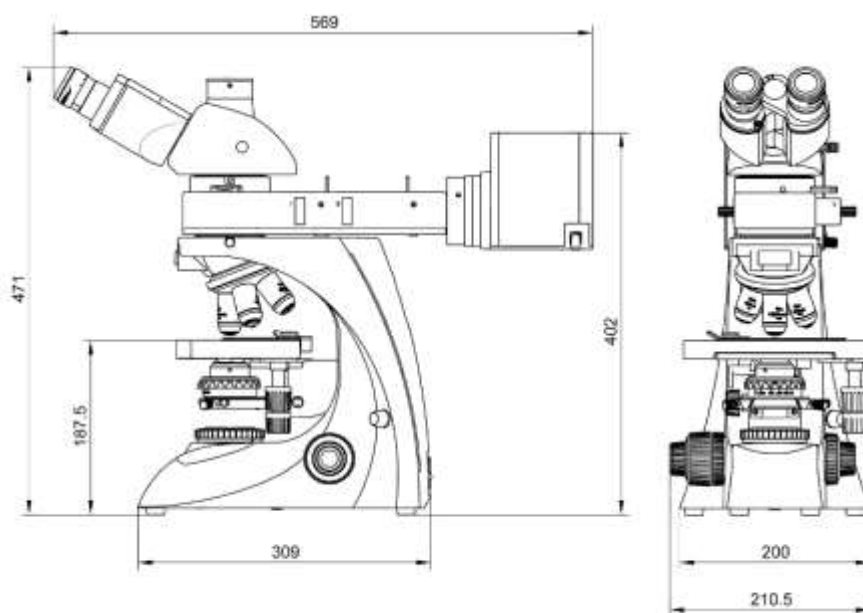
	Seidentopf Trinocular Head, Inclined 30°, Rotatable 360°, Interpupillary Distance: 48-76mm, Tube diameter: 30mm. Light distribution (both): 100:0 (100% for eyepiece), 80:20 (80% for trinocular head and 20% for eyepiece)	○	○
Eyepieces	WF10× / 22mm (adjustable)	●	●
	WF10× / 22mm (adjustable , reticule 0.1mm)	●	●
Long Working Distance Infinite Plan Objective	5×/0.10 W.D=24.23mm	●	●
	10×/0.25 W.D=18.48mm	●	●
	20×/0.40 (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	○	○
	100×/0.90 (S) W.D=1.00mm	○	○
Nosepiece	Backward Quintuple Nosepiece	●	●
Mechanical Stage	Stage size: 200mm × 150mm, Travel range: 77mm × 52mm. Stage fast lowering unit: Up-Down moving range can be increased to 50mm	●	
	Stage size: 182mm × 140mm, Travel range: 77mm × 52mm Two slid holder, Metal plate size: 200mm x 150mm		●
Focus	Coaxial Coarse and Fine Focusing, Fine Division 0.002mm, Fine Stroke 0.2mm per Rotation, Moving Range 25mm. Tightness adjustment, upper distance limiter	●	●
Micrometer	Stage Micrometer 0.01mm	○	○
Polarizing Unit	Polarizing and Analyzer attachment	●	●
Condenser	Abbe N.A. 1.25 with Iris Diaphragm		●
Illumination	Reflected Illumination, 12V/50W Halogen lamp (Input voltage: 100V~240V), Field diaphragm	●	●
	Transmitted Illumination, 6V/20W Halogen lamp (Input voltage: 100V~240V), Field diaphragm, Center adjustable.		●
Filter	Blue	●	●
	Green	○	○
	Amber	○	○
	Grey	○	○
C-mount Adapter	1× C-mount	○	○
	0.5× C-mount (Focus Adjustable)	○	○
Packing	Packing Size: 750×360×450mm, Gross Weight: 16 kgs, Net Weight: 12kgs	●	●

Note: ●Standard Outfit, ○Optional

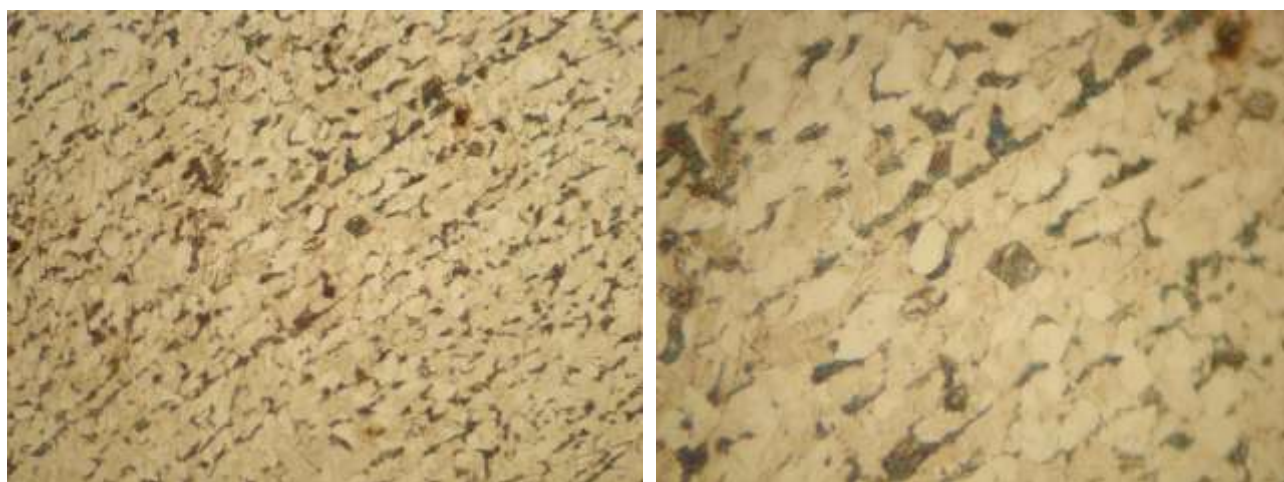


## Dimension

Unit: mm



## Sample Image





## 4. BS-6003 Inverted Metallurgical Microscope



### Introduction

BS-6003 inverted metallurgical microscope is widely used in schools and laboratory to identify and analyze structure of metals and alloys, as well as do researching on metallurgical material after heating.

### Feature

1. Perfect for education, experiment and normal testing.
2. Easy operation, also supply high quality image.

### Specification

Item	Specification	BS-6003
Optical System	Finite optical system	●
Viewing Head	Sliding binocular viewing head	●
	Monocular viewing head	○
	Tinocular viewing head	○
	Integrated sliding binocular digital head(3.0MP)	○
Eyepiece	Wide field eyepiece WF10×/18mm	●
	Wide field eyepiece WF12.5×/14mm	●
	Wide field eyepiece WF16×/11mm	○
Objective	Achromatic objective 10×/0.25, WD=6.3mm	●
	Plan achromatic objective 40×/0.65, WD=0.7mm	●
	LWD Plan achromatic objective 50×/0.75, WD=2mm	○
	Achromatic objective 100×/1.25(oil), WD=0.1mm	●
Nosepiece	Triple nosepiece	●
Focusing	Coaxial coarse and fine adjustment, Fine division 0.002mm, Focusing range 30mm	●
Stage	Mechanical stage 180×155mm, Moving range 40×30mm, Stage Clips	●
Illumination	Kohler illumination, 12V/20W Halogen lamp, brightness adjustable	●
Filter	Blue, Green, Yellow and Ground filter	●

Note: ● Standard Outfit, ○ Optional

## 5. BS-6004 Inverted Metallurgical Microscope



### Introduction

BS-6004 inverted metallurgical microscope adopts professional metallurgical objective and plan eyepiece to provide superior image, high resolution and comfortable observation. It is widely used in teaching and research of metallographic analysis, semiconductor silicon wafer inspection, geology mineral analysis, precision engineering and similar fields.

### Feature

1. Low position high precision coaxial focusing system, left and right side can be adjusted. Easy to get a clear and comfortable image. Coarse stroke 38mm, fine focus accuracy 0.002mm.



2. Large size mechanical stage provides a more efficient working environment for the user, right hand operate. Size 180 × 155mm, moving range: 75 × 40mm.



3. Reflected Koehler illumination system with iris diaphragm and centerable field diaphragm, wide range voltage 90-240V, 6V/30W high brightness halogen bulb and long working life LED bulb(optional).



## Specification

Item	Specification	BS-6004
Optical System	Finite optical system	●
Viewing Head	Trinocular viewing head, 45° inclined, Diopter adjustment $\pm 5$ for each side, Interpupillary distance: 54-75mm, light distribution: binocular: trinocular =80%:20%	●
Eyepiece	High eyepoint wide field plan eyepiece PL10 $\times$ /18mm	●
	High eyepoint wide field eyepiece WF15 $\times$ /13mm	○
	High eyepoint wide field eyepiece WF20 $\times$ /10mm	○
Metallurgical Objective	LWD plan achromatic metallurgical objective 5 $\times$ /0.13, WD=15.5mm	●
	LWD plan achromatic metallurgical objective 10 $\times$ /0.25, WD=8.7mm	●
	LWD plan achromatic metallurgical objective 20 $\times$ /0.40, WD=8.8mm	●
	LWD plan achromatic metallurgical objective 50 $\times$ /0.60, WD=5.1mm	●
	LWD plan achromatic metallurgical objective 100 $\times$ /0.8, WD=2.0mm	○
Nosepiece	Backward quadruple nosepiece	●
	Backward quintuple nosepiece	○
Focusing	Low position coaxial coarse and fine adjustment. With tightness adjustment. Coarse stroke per rotation 38mm; fine focus accuracy: 2 $\mu$ m.	●
Stage	Three-layers mechanical stage, size 180mm $\times$ 155mm, right hand low position control, Moving range:75mm $\times$ 40mm; Metal stage plate, center hole dia. $\phi$ 12mm	●
Illumination	Reflected Koehler illumination with iris diaphragm and centerable field diaphragm, wide-range voltage 90-240V, 5W LED bulb, with continuous intensity adjustment.	●
	Reflected Koehler illumination with iris diaphragm and centerable field diaphragm, wide-range voltage 90-240V, 6V/30W halogen bulb, with continuous intensity adjustment.	○
Polarizing kit	Polarizer and the analyzer can be removed from the optical path, the analyzer can be rotated 360°.	○
Video Adapter	1 $\times$ C-mount adapter, focus adjustable	○
	0.5 $\times$ C-mount adapter, focus adjustable	●
Filter	Blue filter ( $\phi$ 32mm)	●

Note: ● Standard Outfit, ○ Optional

## 6. 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.

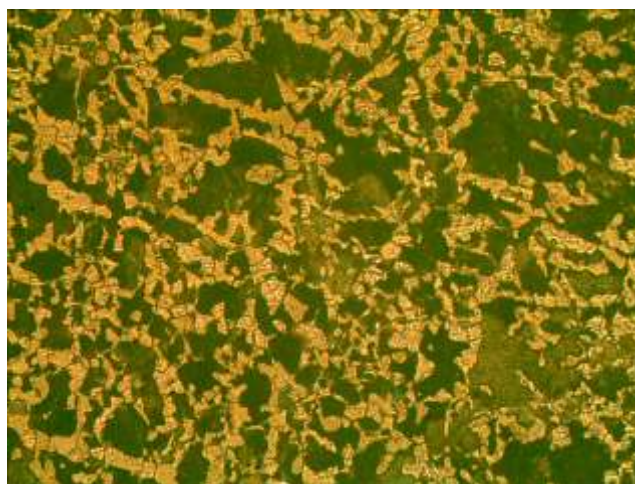
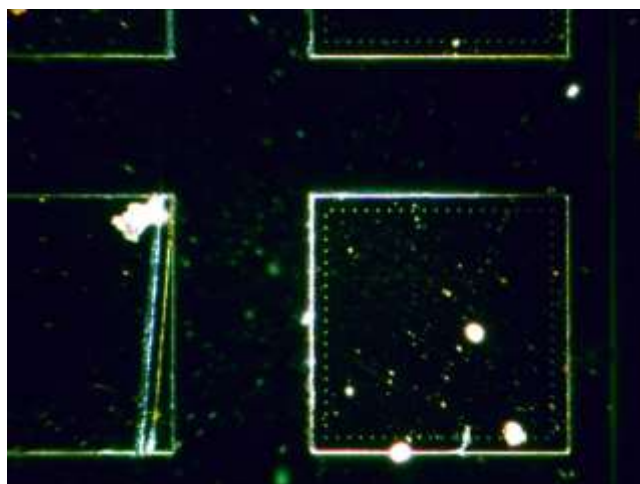
### Specification

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×/22mm	●	●
	WF10×/22mm Eyepiece with scale of cross hair	●	●
	EW15×/16mm	○	○
	EW20×/12mm	○	○
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&DF) 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 ground glass 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





## **7. 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×/22mm, 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 Ground glass 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 30mm	●	●
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×	○	○

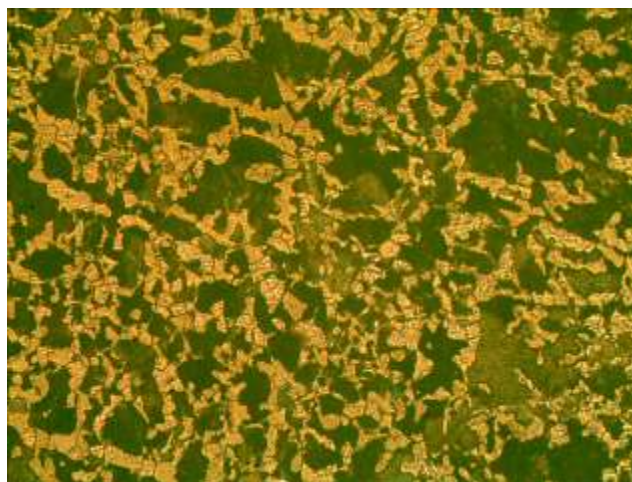
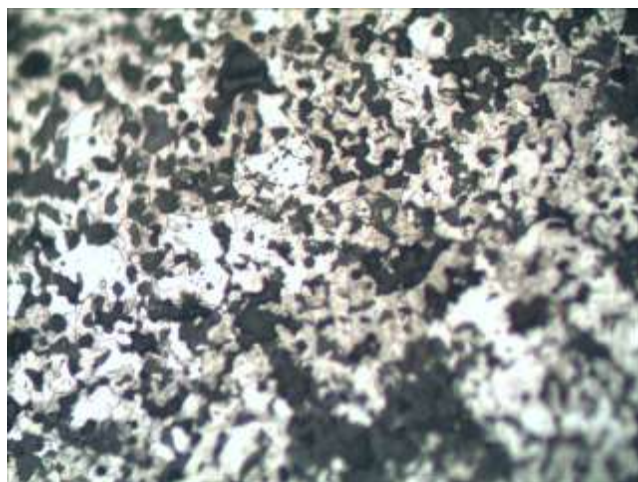
Note: ●Standard Outfit, ○Optional

**Accessory**



Specimen Presser

**Sample Image**



## 8. 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×/22mm, 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 Attachment	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 Ground glass 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 30mm	●	●
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**

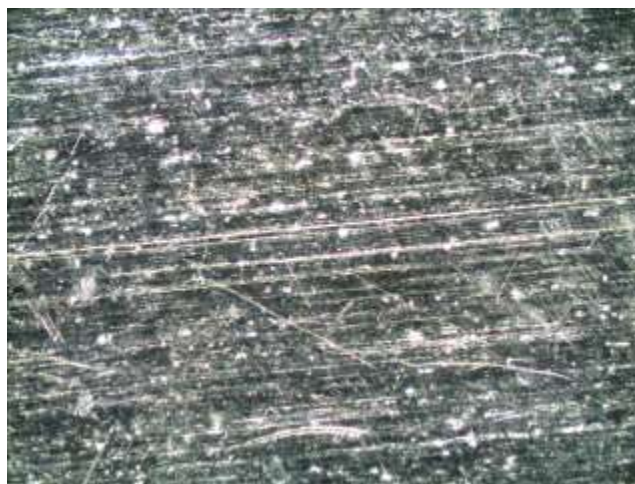


Specimen Presser



DIC Attachment

**Sample Image**





## 9. BS-6023B/BD Metallurgical Microscope



BS-6023BD

### Introduction

BS-6023B/BD metallurgical microscopes are high level professional microscopes which are specially designed for metallurgical analysis. These microscopes can be used for bright field, dark field, polarizing and DIC observation. With compact structure, excellent optical system and abundant outfit, they can be your best support in research and daily work. The structure is convenient for large-size and thick specimens.

### Feature

1. Can be used for bright field, dark field, simple polarization and DIC observation, compact and flexible.
2. Halogen light, 150W cold light source, 40W LED cold light source are available, the brightness is sufficient to meet a variety of observation requirements.
3. Large base, high column. Convenient for large-size LCD panel, PCB board and thicker or larger sample observation.
4. Ideal instrument for metallurgical analysis, industry inspection and science research.

### Application

BS-6023B/BD are widely 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, 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, other non-metallic materials and so on.

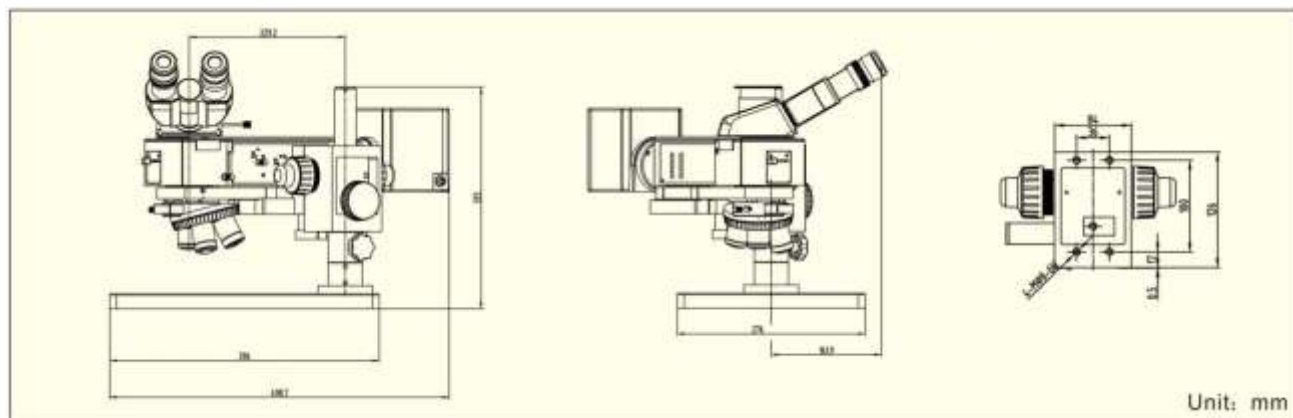
### Specification

Item	Specification	BS-6023B	BS-6023BD
Optical System	Infinite optical system	•	•

Viewing Head	Siedentopf trinocular viewing head, inclined at 30°, rotate 360° interpupillary distance 48mm-75mm, light distribution: 80:20	●	●
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) WD 10.0mm	●	
	20×/ 0.4/∞/ 0 (BF) WD 5.8mm	●	
	50×/ 0.75/∞/ 0 (BF) WD 0.32mm	●	
	100×/ 0.8/∞/ 0 (BF) WD 2.0mm	●	
	5×/ 0.12/∞/ - (BF&DF) WD 12.0mm		●
	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 2.0mm		●
DIC	DIC Attachment 20×, 100×	○	○
Reflected Light	24V/100W Halogen light, Brightness adjustable	●	●
	150W Cold Light, Brightness adjustable	○	○
	40W LED illumination, Brightness adjustable	○	○
	Polarizer and analyzer	○	○
	Blue, Green, Yellow and Frosted filter	●	●
Focusing	Coaxial coarse and fine adjustment, Fine Division 0.001mm, Moving Range 32mm	●	●
Nosepiece	Backward quintuple nosepiece	●	●
Stand	Size of the base: 396×276mm×22mm, the height of the column 300mm, diameter 30mm	●	●
Accessories	Specimen Presser	○	○
	Photo Attachment for Nikon or Canon DSLR camera	○	○
	Video Attachment, C-Mount 1×, 0.5×	○	○

Note: ●Standard Outfit, ○Optional

## Dimension



**Accessory**

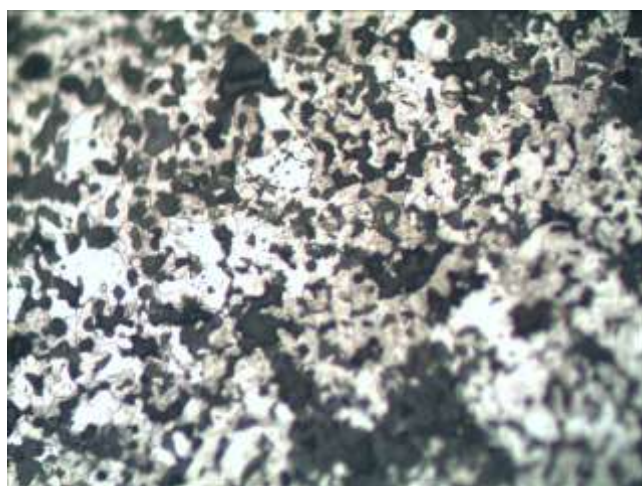


Specimen Presser



DIC Attachment

**Sample Image**



## 10. 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	WF10×/ 22mm	●
	WF10×/ 20mm Eyepiece with scale of cross hair	●
	WF15×/ 16mm	○
	WF20×/ 12mm	○
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, water drop type	●
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, move up 1mm, down 7mm	●
Kohler Reflected Illumination	12V/50W Halogen light, center and brightness adjustable	●
	Polarizer and analyzer	●
	DIC attachment	○
	Built-in Green, Blue, Yellow, Gray and Ground glass 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

## 11. 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 not only identify and analyze organizational structure of a variety of metals, alloys, non-metallic material 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 and APO objective provide 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, 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	WF10×/ 20mm	●
	WF10×/ 20mm Eyepiece with scale of cross hair	●
	WF15×/ 16mm	○
	WF20×/ 12mm	○
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, water drop type	●
Focusing	Coaxial coarse & fine adjustment, fine division 2μm, move up 1mm, down 12mm	●
Kohler Reflected Illumination	12V/100W Halogen light, center and brightness adjustable	●
	Polarizer and analyzer	●
	DIC Attachment	○
	Green, Blue, Yellow, Gray and Ground glass 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

## 12. BS-6060 Metallurgical Microscope



### Introduction

BS-6060 series metallurgical microscopes are developed for research with a number of pioneering design in appearance and functions, with wide field of view, high definition and bright & dark field semi-apochromatic metallurgical objectives, they are born to provide a perfect detection solution and develop a new pattern of industrial field.

### Feature

#### 1. High eye point wide field plan eyepiece.

The eyepiece field of view has been upgrade from traditional 22mm to 25mm and 26.5mm, provide more flat field of view and improve working efficiency. With wider diopter adjustment range and foldable rubber eye guard.



#### 2. Viewing head with multi-splitting ratio.

The viewing head is designed of multiple options for splitting ratio.

(1) Trinocular head with erected image is standard, splitting ratio Binocular: Trinocular=100:0 or 0:100. The moving direction of samples is the same as observed.

(2) Trinocular head with inverted image is optional, splitting ratio Binocular: Trinocular=100:0 or 20:80 or 0:100. Except for concentrating 100% light to eyepiece tube or camera tube, there is another option with 20% light to eyepiece tube and 80% to camera tube, so that eyepiece observation and image output can be available at the same time.



### **3. Polarization system.**

The polarizer and analyzer in polarization system contribute to eliminate the stray light in semiconductor and PCB detection, image with clear detail is achievable. There are fixed analyzer and rotatable analyzer for option. The sample can be observed at different polarizing angles with 360° rotatable analyzer. Besides, this polarization system can be upgraded to Nomarski differential interference contrast system after installing a new developed DIC attachment.



### **4. Nomarski differential interference contrast system(DIC).**

The weeny asperities on the surface which can not be found in bright field, is able to be detected by using U-DICR attachment to create high contrast stereo relieve effect. It is widely used for testing the electric-conductive particles of LCD, surface scratches of precision disk.



#### **5. Linkage between the neutral density filter and the switch for BF & DF.**

The lever in front of illuminator is used to switch between bright field and dark field, and it is in tandem with a neutral density filter (ND50). When you switch from DF to BF, the built-in ND50 filter takes the role to reduce the light intensity. More scientific and more comfortable.

#### **6. Multiple choice for Nosepiece.**

The new nosepiece reduces the angle between the optical axis and the rotating axis to 15°, improving the accuracy of the centering and parfocality, and the appearance is more compact.



### **Application**

BS-6060 is widely 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, 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

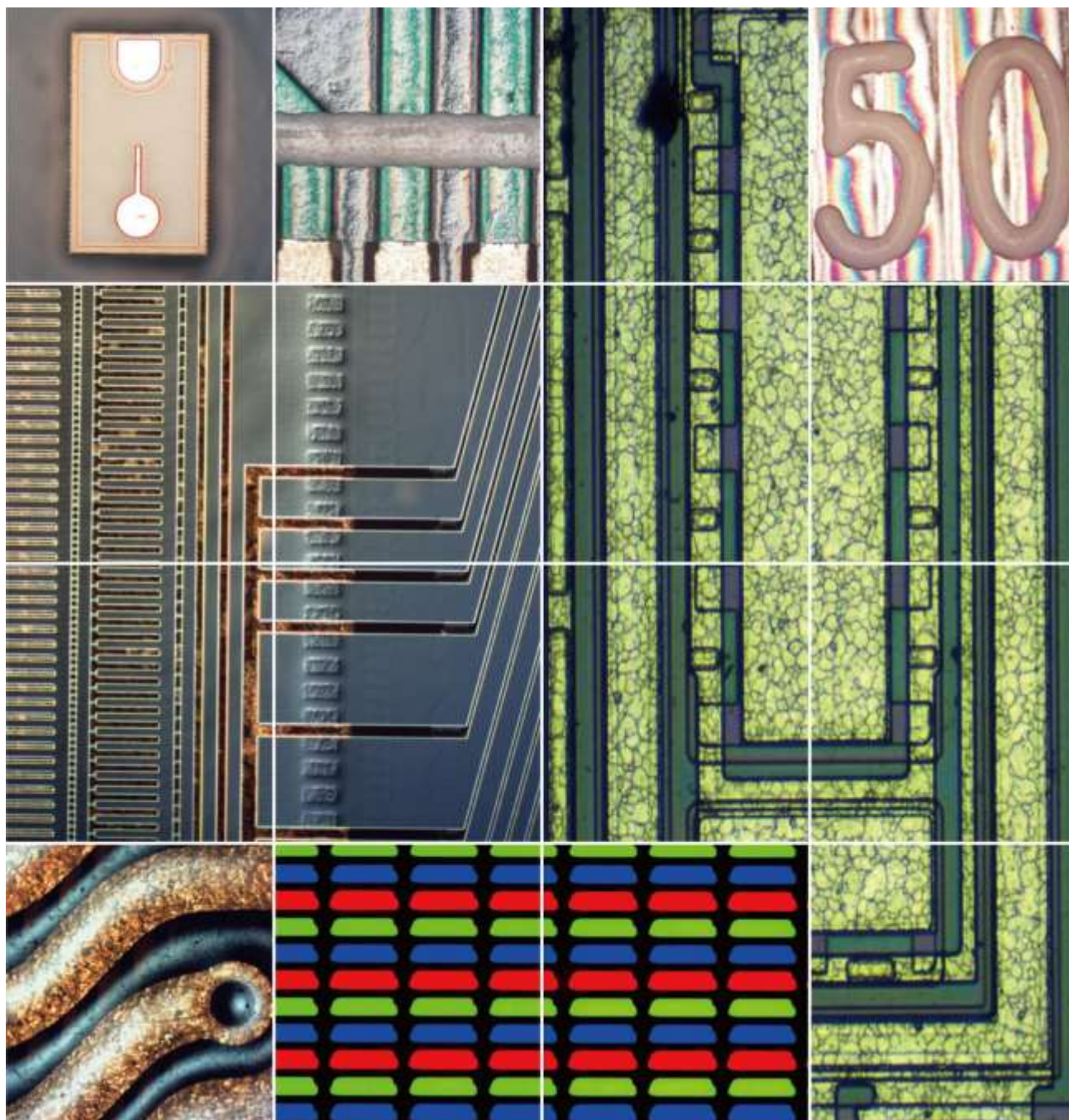
Item	Specification	BS-6060
Optical System	Infinite Color Corrected Optical System	●
Viewing Head	Siedentopf trinocular head, Erect image, 30° inclined, interpupillary distance: 50mm~76mm; splitting ratio Eyepiece:Trinocular=100:0 or 0:100	●
	Siedentopf trinocular head, Inverted image, inclined at 30°, interpupillary distance: 50mm~76mm; splitting ratio Eyepiece:Trinocular=100:0 or 20:80 or 0:100	○
Eyepiece	High eyepoint wide field plan eyepiece PL10X/25mm, diopter adjustable	●
	High eyepoint wide field plan eyepiece PL10X/25mm, with reticle, diopter adjustable	○
	High eyepoint wide field plan eyepiece PL10X/26.5mm, diopter adjustable	○
	High eyepoint wide field plan eyepiece PL10X/26.5mm, with reticle, diopter	○
Objective	Bright & Dark Field Semi-Apochromatic Metallurgical Objective 5X, NA=0.15, WD=13.5mm	●
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 10X, NA=0.30, WD=9mm	●
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 20X, NA=0.50, WD=2.5mm	●
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 50X, NA=0.80, WD=1.0mm	●
	Bright & Dark Field Semi-Apochromatic Metallurgical Objectives 100X, NA=0.90, WD=1.0mm	●
	Bright Field Semi-Apochromatic Metallurgical Objective 5X, NA=0.15, WD=19.5mm	○
	Bright Field Semi-Apochromatic Metallurgical Objectives 10X, NA=0.30, WD=10.9mm	○
	Bright Field Semi-Apochromatic Metallurgical Objectives 20X, NA=0.50, WD=3.2mm	○
	Bright Field Semi-Apochromatic Metallurgical Objectives 50X, NA=0.80, WD=1.2mm	○
	Bright Field Semi-Apochromatic Metallurgical Objectives 100X, NA=0.90, WD=1.0mm	○
Nosepiece (with DIC slot)	Bright & Dark Quintuple Nosepiece	●
	Bright & Dark Sextuple Nosepiece	○
	Bright Field Sextuple Nosepiece	○
	Bright Field Septuple Nosepiece	○
Frame	Reflected & Transmitted body, low-position coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment. Built-in 100-240V wide voltage transformer, double way power output; intensity adjustable by digital set and reset; switch for reflection and transmission; built-in transmitted filters LBD/ND6/ND25).	●
	Reflected body, coaxial coarse and fine adjustment, coarse adjustment distance: 25mm; fine precision: 0.001mm. With coarse adjustment stop and tightness adjustment.	○
Stage	4 inch three layers mechanical stage with glass plate, moving range: 102mm(Y) *105mm(X)	●
Condenser	Swing-out type achromatic condenser (N.A.0.9)	●
Reflected Illuminator	BD reflected illuminator with iris field diaphragm and aperture diaphragm, central adjustable. With filter slot and polarizing slot. With switch for bright and dark field.	●
Lamp House	12V/100W halogen lamp house, center pre-set	●
Other Accessories	Camera adapter: 0.5X focusing C-mount	●
	Fixed polarizer, fixed analyzer, 360° rotatable analyzer	○
	DIC attachment	○



	Interference filters for reflected light	○
	High precision micrometer, scale value 0.01mm	○

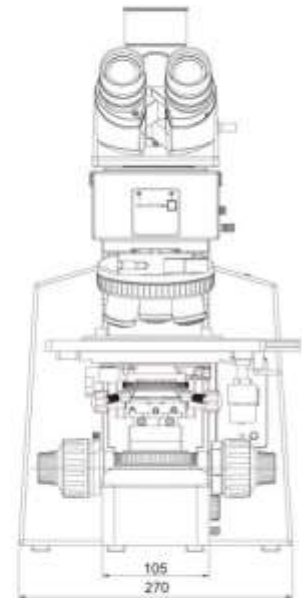
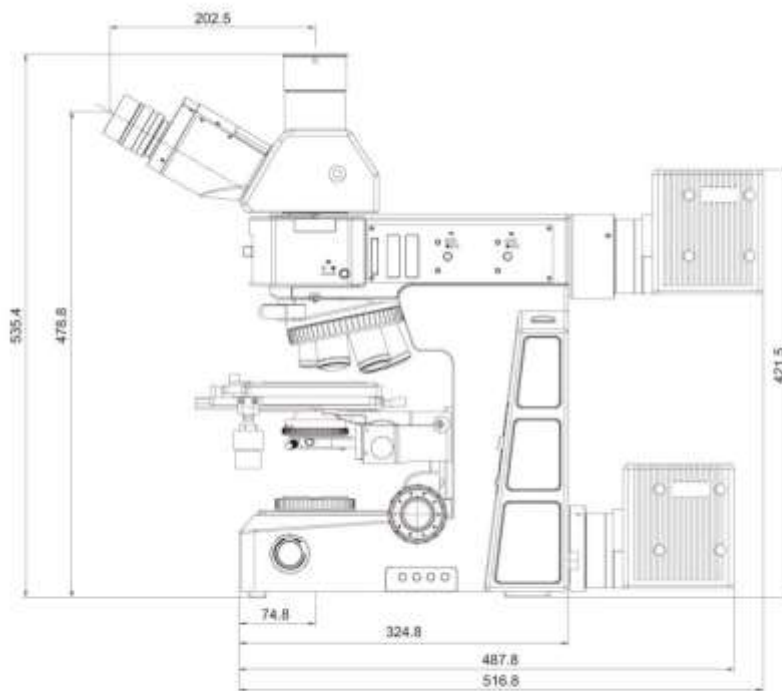
Note: ●Standard parts    ○Optional parts

## Sample Image





## Dimension



## BS-7000 Series Laboratory Fluorescent Microscope

### 1. BS-7000A Upright Fluorescent Biological Microscope



#### Introduction

BS-7000A fluorescence microscope is a laboratory fluorescent microscope with perfect infinite optical system. The microscope uses mercury lamp as the light source, the fluorescent attachment has 6 positions for filter blocks, which allows easy change of filter blocks for various fluorochrome.

#### Feature

1. Perfect image with infinite optical system.
2. High resolution fluorescent objectives are optional for excellent fluorescent images.
3. Advanced and precision lamp housing reduces the light leak.
4. Reliable power supply with 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 universities, hospitals and life science labs for disease examination, immune diagnosis and scientific research.

#### Specification

Item	Specification	BS-7000A
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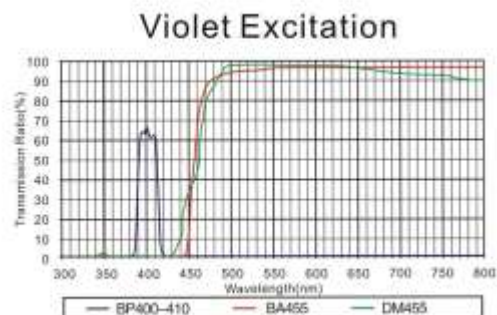
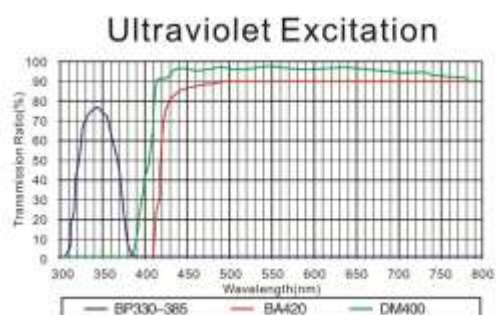
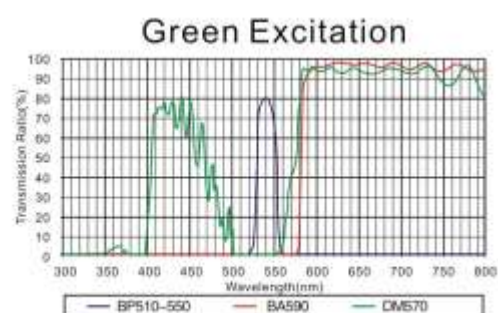
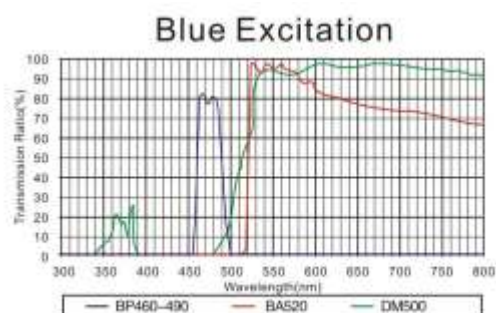
Optical System	Infinite Optical System				●
Viewing Head	Seidentopf Trinocular Head, Inclined at 30°, Interpupillary Distance 48-75mm				●
Eyepiece	Extra Wide Field Eyepiece EW10×/22mm, Eyepiece tube diameter 30mm				●
Nosepiece	Backward Quintuple Nosepiece				●
	Backward Sextuple Nosepiece				○
Objective	Infinite Plan Achromatic Objective	2×/0.05,	W.D.=18.3mm		○
		4×/0.10,	W.D.=17.3mm		●
		10×/0.25,	W.D.=10mm		●
		20×/0.40,	W.D.=5.1mm		○
		40×/0.65(S),	W.D.=0.54mm		●
		60×/0.8(S),	W.D.=0.14mm		○
		100×/1.25(S, Oil),	W.D.=0.13mm		●
	Infinite Plan Fluorescent Objective	4×/0.13,	W.D.=16.3mm		○
		10×/0.30,	W.D.=12.4mm		○
		20×/0.50,	W.D.=1.5mm		○
		40×/0.75(S),	W.D.=0.35mm		○
		100×/1.3(S, Oil),	W.D.=0.13mm		○
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 185×142mm, Moving Range 75×55mm				●
Photo Adapter	Used to connect Nikon or Canon DSLR camera to the microscope				○
Video Adapter	1× or 0.5× C-mount adapter				○
Transmitted Kohler Illumination	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 6V/30W, Brightness Adjustable				●
	External Illumination, Aspherical Collector with Kohler Illumination, Halogen Lamp 24V/100W, Brightness Adjustable				○
	3W LED Illumination, Brightness Adjustable				○
	5W LED Illumination, Brightness Adjustable				○
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 Voltage Interchangeable, Digital Display				●
Immersion Oil	Fluorescent Free Oil				●
Filter	Neutral ND25/ ND6 Filter				○
Centering Target					○

Note: ●Standard Outfit, ○Optional

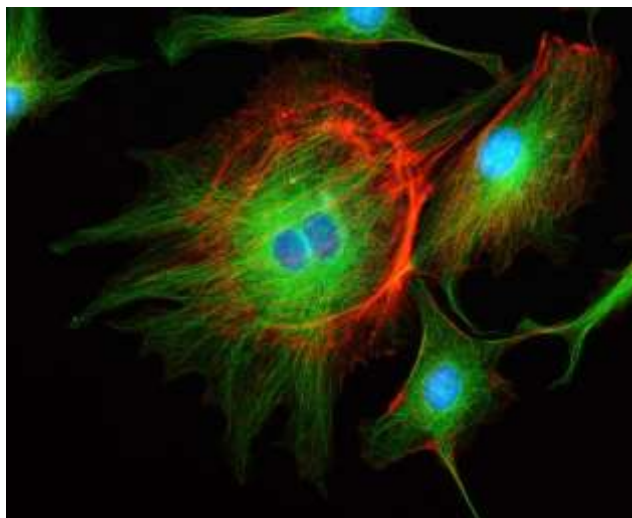
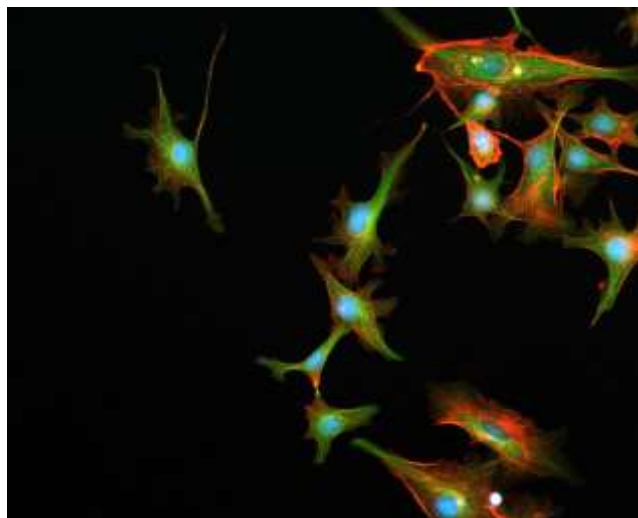
## Epi-fluorescent Attachment



## Characteristics of Mirror Units Wavelength



**Sample Image**



## 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. Perfect image with infinite optical system.
2. High resolution fluorescent objectives are optional for excellent fluorescent images.
3. Advanced and precision lamp housing reduces the light leak.
4. Reliable power supply with digital display and timer.
5. Innovative structure and sharp Image is perfect for viewing cell tissue.

### Application

BS-7000B Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. It is widely used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific 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	4×/0.1, W.D.= 17.3mm	•
	Objective	10×/0.25, W.D.= 10mm	○



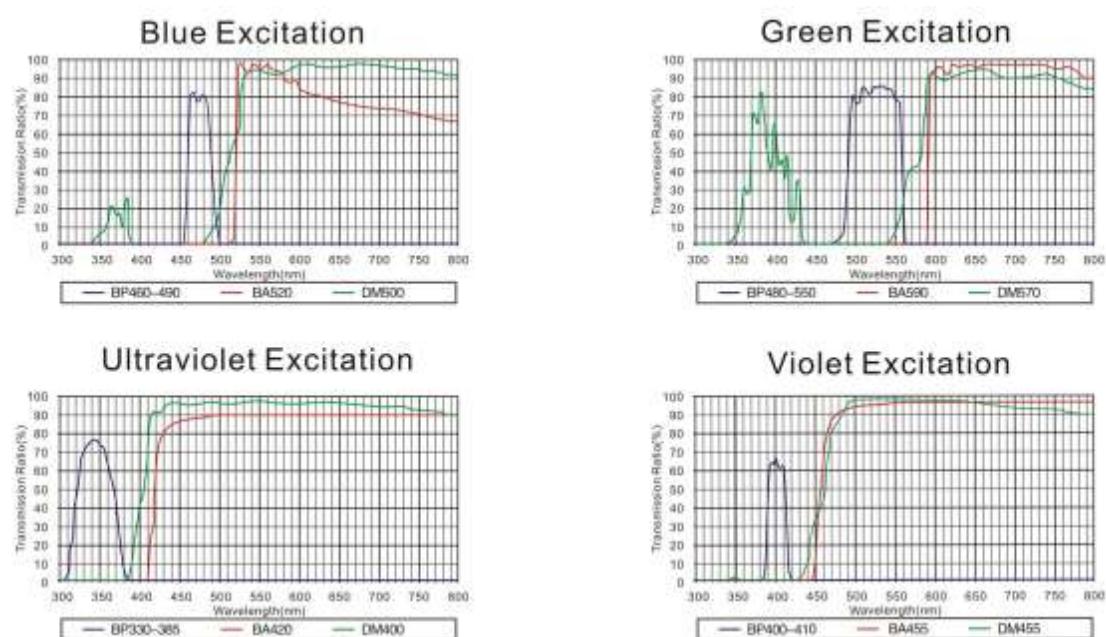
		20×/0.4, W.D.= 5.1mm			○
		40×/0.6, W.D.= 2.1mm			●
	Infinite Plan Phase Objective	PH 10×/0.25, W.D.= 10mm			●
		PH 20×/0.4, W.D.= 5.1mm			●
		PH 40×/0.6, W.D.= 2.1mm			○
	Infinite Plan Fluorescent Objective	4×/0.13, W.D.= 16.3mm			○
		10×/0.30, W.D.= 12.4mm			○
		20×/0.5, W.D.= 1.5mm			○
		40×/0.6, W.D.= 2.2mm			○
Condenser	ELWD Condenser NA 0.3, LWD 72mm (Without condenser 150mm)				●
Telescope	Centering Telescope(Φ30)				○
Phase Annulus	10×-20×, 40× Phase Annulus Plate (Fixed)				●
	10×-20×, 40× Phase Annulus Plate (Adjustable)				○
Stage	Plain stage 160×250 mm				●
	Glass Insert Plate				●
	Attachable Mechanical Stage, X- Y Coaxial Control, Moving Range 120×78 mm				○
	Auxiliary Stage 70×180mm				●
	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/Rotation, Fine Stroke 0.2mm/Rotation, Moving Range up 8mm, down 3mm				●
Transmitted Illumination	6V/30W Halogen Lamp				●
	3W LED lamp				○
Filter	Blue, Green and Ground glass filters, Diameter 45mm				●
Photo Attachment	Photo Adapter for Nikon and Canon DSLR cameras				○
Video Adapter	Video Adapter 1× / 0.5× 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 Voltage interchangeable, Digital Display				●
Immersion Oil	Fluorescent Free Oil				●
Filter	Neutral ND25/ ND6 Filter				○
Centering Target					○

Note: ● Standard Outfit, ○ Optional

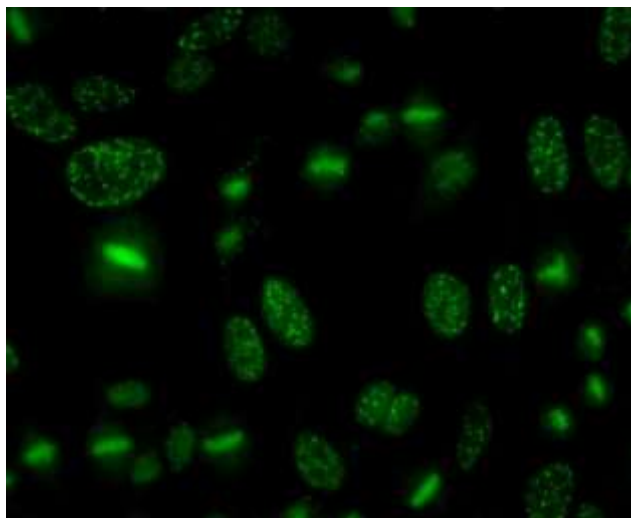
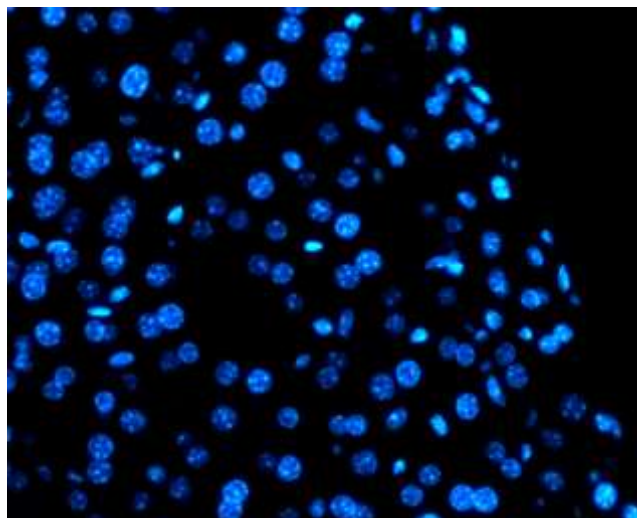
## BS-7000B Inverted Fluorescent Attachment



## Characteristics of Mirror Units Wavelength



Sample Image



### 3. BS-7020 Inverted Fluorescent Biological Microscope



#### Introduction

BS-7020 inverted fluorescence microscope uses mercury lamp 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. The Microscope is specifically designed for the observation of cell culture. Excellent high resolution 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. Perfect image with infinite optical system.
2. High resolution fluorescent objectives are optional for excellent fluorescent images.
3. Advanced and precision lamp housing reduces the light leak.
4. Reliable power supply with digital display and timer.
5. Innovative structure and sharp Image is perfect for viewing cell tissue.

#### Application

BS-7020 Inverted Fluorescent Biological Microscope is specifically designed for the observation of cell culture. It is widely used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific 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×/ 20mm, Eyepiece Tube Diameter 30mm	●
	Wide Field Eyepiece WF15×/ 16mm	○

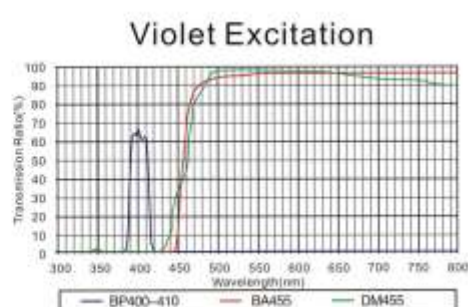
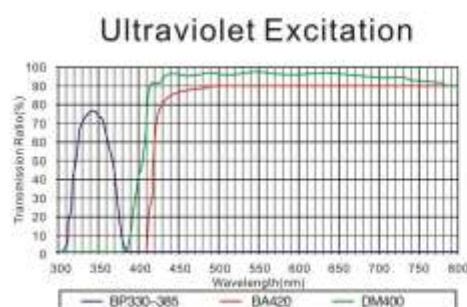
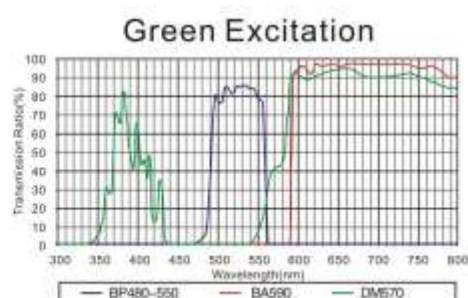
	Wide Field Eyepiece WF20×/ 12mm				○
Objective	LWD(Long Working Distance) Infinite Plan Achromatic Objective 4×/0.1, W.D.= 22mm				●
	LWD(Long Working Distance) Infinite Plan Achromatic Phase Objective	10×/ 0.25,	W.D.= 6mm		●
		20×/ 0.4,	W.D.= 3.1mm		●
		40×/ 0.55,	W.D.= 2.2mm		●
	High Level Phase Contrast Objective	10×/ 0.25,	W.D.= 6mm		○
		20×/ 0.4,	W.D.= 3.1mm		○
		40×/ 0.55,	W.D.= 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 230×170mm				●
	Glass Insert Plate				●
	Attachable Mechanical Stage, X,Y Coaxial Control, Moving Rang 80mm×120mm				●
	Auxiliary Stages 70mm×180mm				●
	Terasaki Holder				●
	Petri Dish Holder Φ38mm				●
	Petri Dish Holder Φ54mm				●
Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Moving Range up 4.5mm, down 4.5mm				●
Transmitted Illumination	Halogen Lamp 6V/30W, Brightness Adjustable				●
	LED lamp 5W, 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 Target					●
Filter	Blue, Green and Ground Glass, Diameter 45mm				●
Accessories	Photo Adapter (Used to connect Nikon or Canon DSLR camera to the microscope)				○
	0.5× C-mount (Used to directly connect a C-mount digital camera to the microscope)				●
	Modulation Contrast				○
Package	2 cartons/set, 36*61*62cm, 18kg; 38*45*26cm, 6kg				●

Note: ● Standard Outfit, ○ Optional

## BS-7020 Inverted Fluorescent Attachments

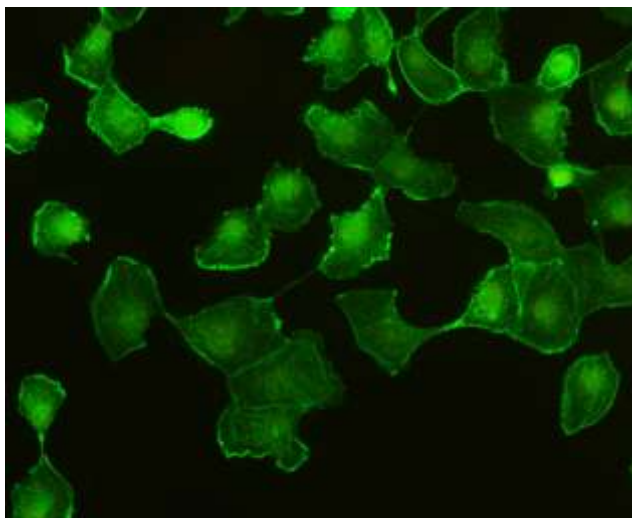


## Characteristics of Mirror Units Wavelength





**Sample Image**



## 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/T 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 are contained in 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 identify the authenticity of gemstones. They also can be used in the design, creation, production and repair of jewelry. The 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, Interpupillary distance 55-75mm	•	•	
	Inclined Trinocular head, 360° Rotatable, Interpupillary distance 55-75mm			•

Eyepiece	WF10x/20mm	●	○	○
	WF10x/22mm		●	●
	WF15x/15mm	○	○	○
	WF20x/10mm	○	○	○
Objective	1x-4x		●	●
	0.7x~3.6x		○	○
	2x, 4x	●		
	1x, 2x	○		
	1x, 3x	○		
Auxiliary Objective	0.5x	○	○	○
	0.75x	○	○	○
	1.5x	○	○	○
	2x	○	○	○
Incident Illumination	Halogen lamp 12V/10W	●	●	●
	Fluorescent 10W	○	●	●
Transmitted Illumination	Halogen lamp 12V/10W	●	●	●
	LED illumination	○	○	○
Accessories	High quality Jewel clamp	●	●	●
	Darkfield working stage (with Iris diagram)	●	●	●

Note: ● Standard Outfit, ○ Optional

#### Optical Parameters

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

## 2. BS-8060 Gemological Microscope



BS-8060B



BS-8060BD



BS-8060 Stand

### 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 are contained in them. These microscopes are equipped with multiple illumination systems to enhance the image of the samples.

### Feature

1. Offering 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 ergonomic idea can greatly improve the working efficiency, it is also easy to operate and makes operators feel more comfortable.

### Application

BS-8060 gemological microscopes are precision microscope that are capable of inspecting diamonds, emeralds, rubies and all other types of precious stones. They are usually used to identify the authenticity of gemstones, they are widely used in design, produce and repair of jewelry.



## Specification

Item	Specification	BS-8060B	BS-8060T	BS-8060BD
Viewing Head	Binocular Viewing Head, Inclined at 45°, Interpupillary Distance: 55-75mm	●		
	Trinocular Viewing Head, Inclined at 45°, Interpupillary Distance: 55-75mm		●	
	Binocular Digital Viewing Head, Inclined at 45°, Interpupillary Distance: 55-75mm, 3.2MP(2048×1536)			●
Eyepiece	WF15×/16mm with diopter adjustment	●	●	●
	WF10×/22mm	○	○	○
	WF20×/12mm	○	○	○
	WF30×/9mm	○	○	○
Zoom Objective	Zoom range 0.8×-5×, zoom ratio 1:6.3, working distance 115mm	●	●	●
Auxiliary Objective	0.5×, W.D.:220mm	○	○	○
	0.7×, W.D.:125mm	○	○	○
	2×, W.D.:125mm	○	○	○
Bright & Dark Field Illumination	Iris diaphragm 2mm-41mm, Bright and dark viewing field illumination is adjustable	●	●	●
Illumination	9W Fluorescent lamp	●	●	●
	LED Point Light	●	●	●
	6V/20W Halogen illumination, lamp can be changed	●	●	●
Focusing	Focusing range: 110mm, 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 is a gem clamp fixing holds for you to choose	●	●	●
Stand	0-38° Inclined, 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, Anti-mould	2PCS	1PC	5PCS
	Monocular Head, inclined at 45°, Anti-mould		2PCS	
	Sliding Trinocular Head, inclined at 45°, Interpupillary Distance: 55-75mm, Anti-mould	○	○	○
Eyepiece	Wide Field Eyepiece WF10×/18mm	4PCS	4PCS	10PCS
	Wide Field Eyepiece WF16×/11mm			
Nosepiece	Quadruple Nosepiece	●	●	●
Objective	Achromatic Objective 4×, 10×, 40×, 100×	●	●	●
	Achromatic Objective 20×, 60×	○	○	○
	Semi- Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○	○	○
	Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 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	1W S-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 to observe specimen at the same time. With the features of infinite optical system, effective high brightness illumination, LED pointer and images coherence, they are widely used in clinical medicine, scientific research and teaching demonstration areas.

### Feature

1. Sharp image display with excellent infinite 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-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	1PC	2PCS	4PCS
Eyepiece	Extra Wide Field Eyepiece EW10×/ 20mm	4PCS	6PCS	10PCS
Nosepiece	Backward Quintuple Nosepiece	●	●	●
Objective	Infinite Plan Achromatic Objective 4×, 10×, 40×, 100×	●	●	●
	Infinite Plan Achromatic Objective 20×, 60×	○	○	○
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 24V/ 100W	●	●	●
	5W LED Illumination	○	○	○
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, jointing 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 in forensic science, police schools and related 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 inner 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 high power LED lamps, light intensity is adjustable.
7. Polarizing attachment, 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 DSLR 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.

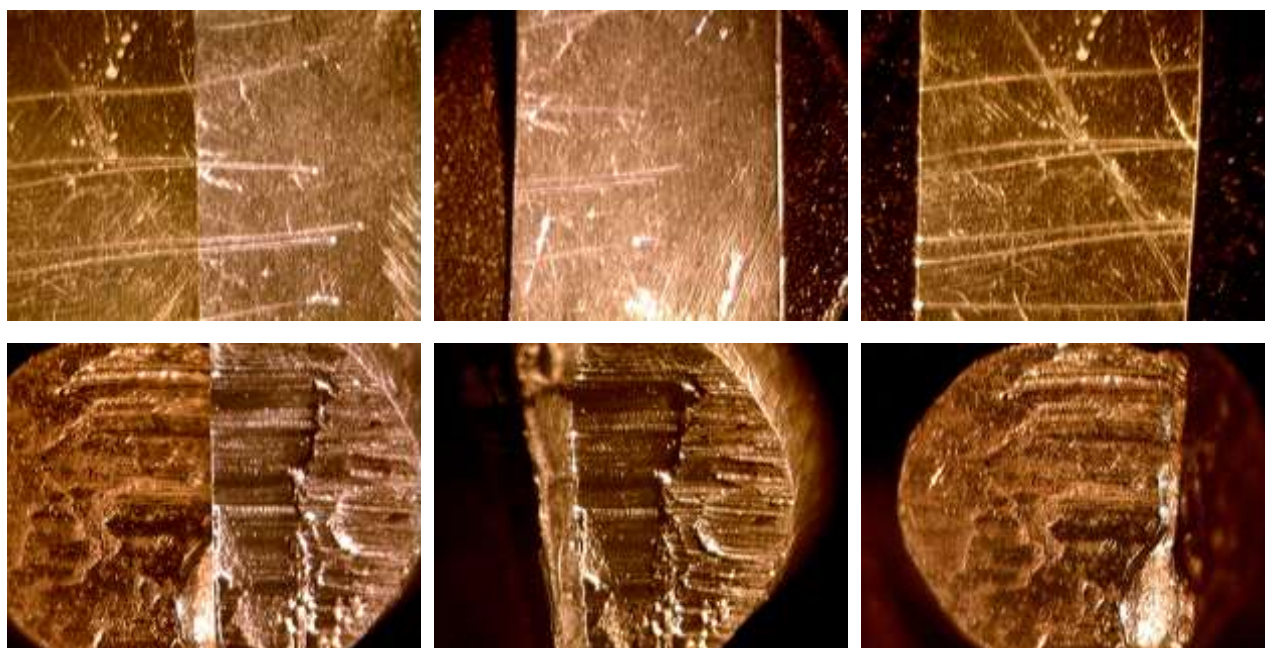
## Specification

Item	Specification	BSC-200
Total Optical Magnification	9.6x~115x	•
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 55-75mm	•
Eyepiece	Wide Field Eyepiece WF10x/ 22mm, diopter adjustment	•
	Wide Field Eyepiece WF20x/ 12mm, diopter adjustment	•
Comparison Mode	Left or Right single view field observation, overlapping view field observation, segmentation and jointing view field observation	•
Objective	0.8x, 1.25x, 2x, 3.2x, 4.8x changeable objective	•
Auxiliary Objective	0.4x, 2x Auxiliary Objective (with auxiliary objective, the total magnification can be extended to 3.8x ~ 230x)	○
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	•
	Coaxial illumination device	○
Accessories	Bullet Holder	•
	Polarizing attachment	•
	Blue, Green and red filters	•
	Photo attachment for DSLR digital camera(Nikon, Canon)	•
	C -mount for microscope 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. 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. It is basically used in forensic science, police schools and related 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 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: 0-60mm.
5. Coarse lifting range of 0 - 60mm.
6. Equipped with 12V/50W air-cooled high power LED lamps, light intensity is adjustable.
7. Polarizing attachment, 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 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	5x~120x	●
Viewing Head	Seidentopf Trinocular Head, Inclined at 45°, Interpupillary Distance 55-75mm	●
Eyepiece	Wide Field Eyepiece WF10x/ 22mm, diopter adjustment	●
	Wide Field Eyepiece WF20x/ 12mm, 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	0.5x, 1x, 1.5x, 2x, 4x, 6x	●
Auxiliary Objective	0.4x, 2x Auxiliary Objective (with auxiliary objective, the total magnification can be extended to 2x ~ 240x)	○
Nosepiece	Sextuple nosepiece	●
Stage	Manually operate stage, moving range: X-54mm, Y-54mm, Z-54mm	●
	Two stage horizontal moving range: 60mm, 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	○
Accessories	Bullet Holder	●
	Polarizing attachment	●
	Blue, Green and red filters	●
	Photo attachment for DSLR digital camera(Nikon, Canon)	●
	C -mount for microscope digital cameras	●
Dimension	39(L) ×38(W) ×70(H)cm	●

## 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	

## Sample Image



## BLM Series LCD Digital Microscope

### 1. 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.

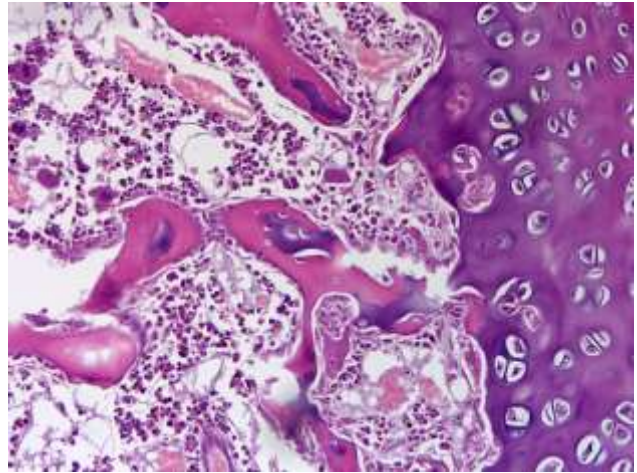
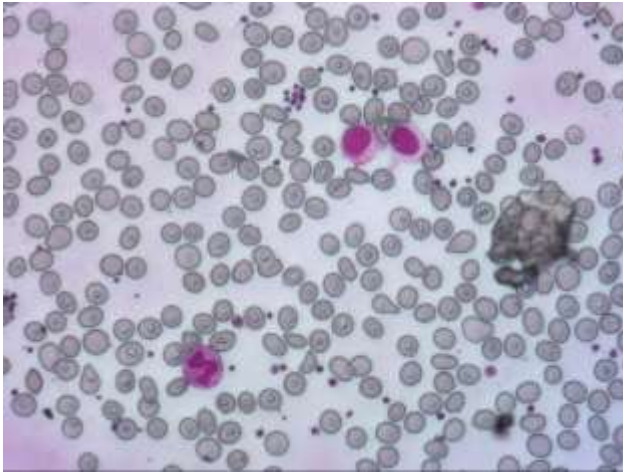
## Application

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	
	Data Output	USB2.0, HDMI	
	Storage	SD Card (4G)	
	Exposure Mode	Auto Exposure	
	Date Mode	Year, Month, Day, Hour, Minute	
Optical Parts	Viewing Head	Seidentopf Binocular Head, Inclined 30°, Interpupillary Distance 55-75mm	
	Eyepiece	Wide Field Eyepiece WF10×/ 18mm	
	Objective	Infinite Plan Achromatic 4×/0.10, 10×/0.25, 40×/0.65(Spring), 100×/1.25 (Spring,Oil)	Infinite Semi-plan 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	
Optional Parts	Eyepiece	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	Infinite Phase Contrast Plan Achromatic Objective 10×, 20×, 40×, 100×	
	Polarization Unit	Polarizer (360°Rotatable )	
		Analyzer	
	Illumination	6V, 20W Halogen Lamp, Brightness Adjustable	

**Sample Image**





## 2. BLM-270 LCD Digital Biological Microscope



### Introduction

BLM-270 LCD digital microscope is a brand new generation microscope system with Android OS. With an 8" IPS LCD touch screen, it works like a tablet PC. You can take photos, take videos and make measurement on the microscope.

### Feature

1. BLM-270 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.

### Application

BLM-270 LCD digital microscope can be used in universities, laboratories and hospitals for teaching, biological and medical research.

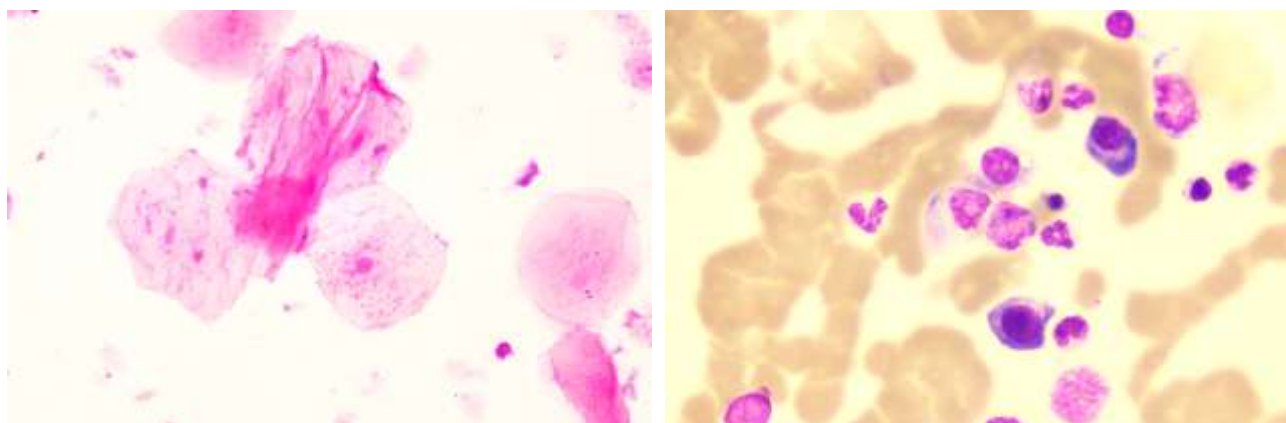
### Specification

Item	Specification	BLM-270
Optical System	Infinite Optical System	•
Digital part	5.0 Mega Pixels CMOS Sensor	•
	Support Wifi and Bluetooth	•
Viewing Head	Seidentopf Binocular Head, 30° inclined, 360° Rotatable, Interpupillary 48-75mm	•
Eyepiece	WF10×/ 20mm	•

	WF15x/16mm	○
Objective	Infinite Plan Achromatic Objective 4x, 10x, 40x, 100x	●
	Infinite Plan Achromatic Objective 20x, 60x	○
Nosepiece	Backward Quadruple Nosepiece	●
	Backward Quintuple Nosepiece	○
Stage	Double Layers Mechanical Stage 230mmx150mm, Cross Travel 78mmx54mm	●
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm	●
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 22mm	●
Illumination	3W LED Illumination, Brightness Adjustable	○
	12V/20W Halogen Lamp Illumination, Brightness Adjustable	●
	3W LED Illumination, Brightness Adjustable	○
	Kohler Illumination	○
Other Accessories	Polarizing Attachment with polarizer and analyzer	○
	Phase contrast Attachment with 10X, 40X, 100X phase contrast objective	○
	Dark Field Attachment Dry/Oil	○
LCD Screen	8 Inch IPS Touching Screen	●
Output	USB2.0, Mini USB, HDMI	●
System	Android 4.2.2	●
Software	TouchScope	●
SD Card	Support SD Card	○
Mouse	Used to control the tablet	○

Note: ● Standard Outfit, ○ Optional

## Sample Image



### 3. BLM-280 LCD Digital Biological 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.

#### Application

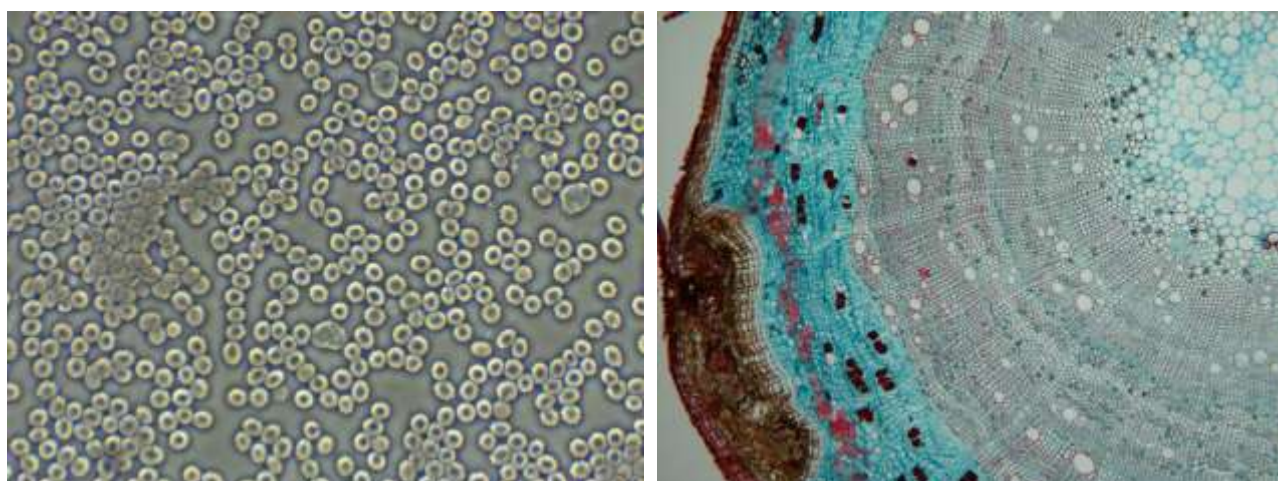
BLM-280 LCD digital microscope can be used in universities, laboratories and hospitals for teaching, biological and medical research.

#### 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 48-75mm	●
Eyepiece	Wide Field Eyepiece WF10×/18mm	●
	Wide Field Eyepiece WF10×/20mm	○
Objective	Infinite Semi-Plan Achromatic Objective 4×, 10×, 40×, 100×	●
	Infinite Plan Achromatic Objective 4×, 10×, 20×, 40×, 60×, 100×	○
Nosepiece	Quadruple Nosepiece	●
Stage	Double Layers Mechanical Stage 140×140mm, moving range: 75×50mm	●
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	6V/20W Halogen Lamp Illumination, Brightness Adjustable	○
	1W S-LED Illumination, Brightness Adjustable	●
Other Accessories	Polarizing Attachment with polarizer and analyzer	○
	Phase contrast Attachment with 10X, 40X, 100X phase contrast objective	○
	Dark Field Attachment Dry/Oil	○
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	Used to control the tablet	○

Note: Note: ● Standard Outfit, ○ Optional

## Sample Image



## 4. BLM-290 LCD Digital Inverted Biological Microscope



### Introduction

BLM-290 LCD Digital Inverted Biological Microscope has renovated the traditional way of microscopic observation and adopted a modern way of digital imaging. 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. It 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 is optional.
5. Two kinds of observation modes, binocular eyepiece and LCD screen, which can meet different needs.

### 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.

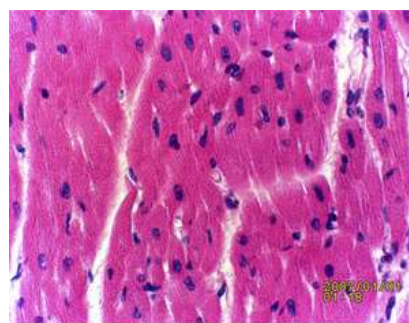
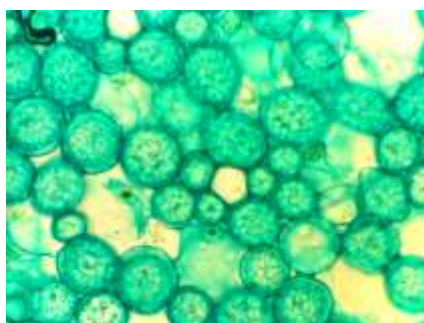
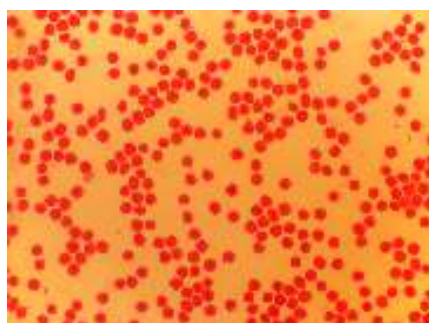
### Specification

Digital Parts	Pixel	12.0 Mega Pixel
	Photo Resolution	12.0MP



	Video Resolution	1920x1080/30fps	
	Sensor Size	1/2.5 Inches	
	LCD Screen	9 Inches HD LCD Screen, Resolution is 1280x800	
	Data Output	USB2.0, HDMI	
	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 EW10x/ 22mm	
	Objective	LWD Infinite Plan Objective	4x/ 0.1, WD 17.3mm
			40x/ 0.6, WD 2.1mm
		Infinite Plan Phase Objective	PH10x/ 0.25, WD 10 mm
			PH20x/ 0.4, WD 5.1mm
	Nosepiece	Quintuple Nosepiece	
	Condenser	ELWD Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)	
	Annulus	10x-20x, 40x Phase Annulus Plate(Fixed)	
	Stage	Plain Stage 160x250mm	
		Glass Insert	
		Auxiliary Stages 70x180mm	
	Focusing	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, moving range 11mm	
Optional Parts	Objective	LWD Infinite Plan Objective	10x/ 0.25, WD 10mm
			20x/ 0.4, WD 5.1mm
		Infinite Plan Phase Objective	PH40x/ 0.65, WD 2.1mm
	Centering	Centering Telescope (Φ30MM)	
	Phase Annulus	10x-20x, 40x Phase Annulus Plate(Adjustable)	
	Stage	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Rang 120x78mm	
		Terasaki Holder	
		Φ38mm Petri Dish Holder	

## Sample Image





## 5. BLM-340/341 LCD Digital Stereo Microscope

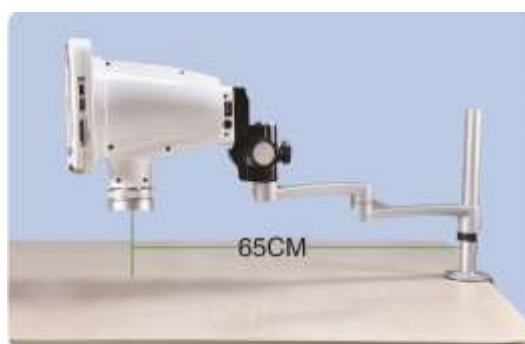


### Introduction

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**



## 6. BLM-340M/341M LCD Digital 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 to LCD monitor or Projector.
4. Improve working efficiency and reduce 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.

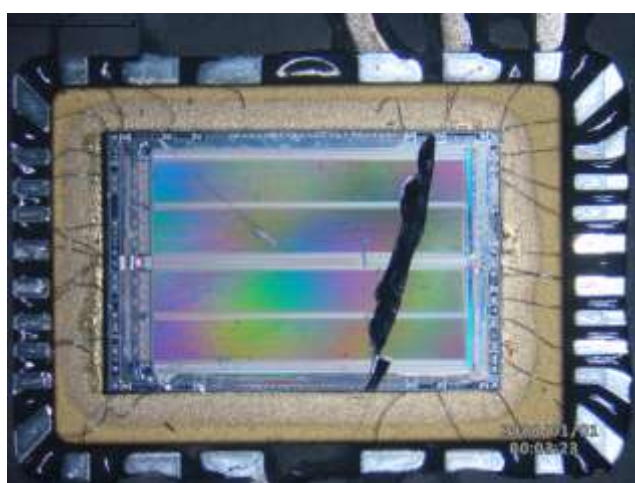
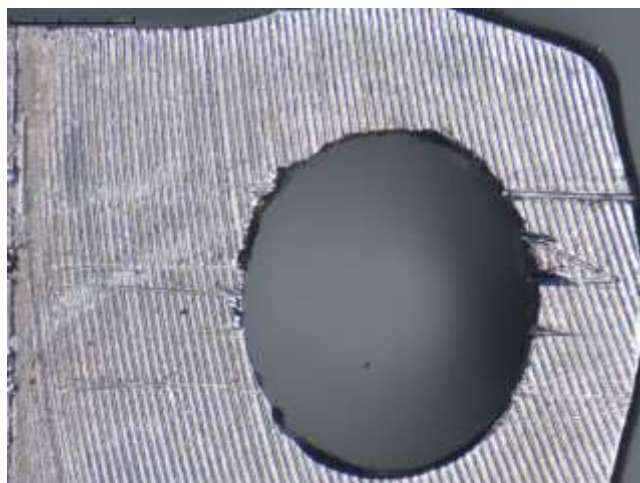
### Specification

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 0.7x~4.5x	●	●
Zoom Ratio	1:6.5	●	●
Total Magnification	9x-80x	●	●
Digital Magnifications	8x	●	●
Field of View	16x12mm-2.45x1.8mm	●	●
Working Distance	1x 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	○	○
	0.5x objective, WD: 203mm	○	○
	2x objective, WD: 50mm	○	○

Note: ●Standard Outfit, ○ Optional

## Sample Images



## 7. BLM-500 LCD Digital 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. 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 HDMI cable.
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.

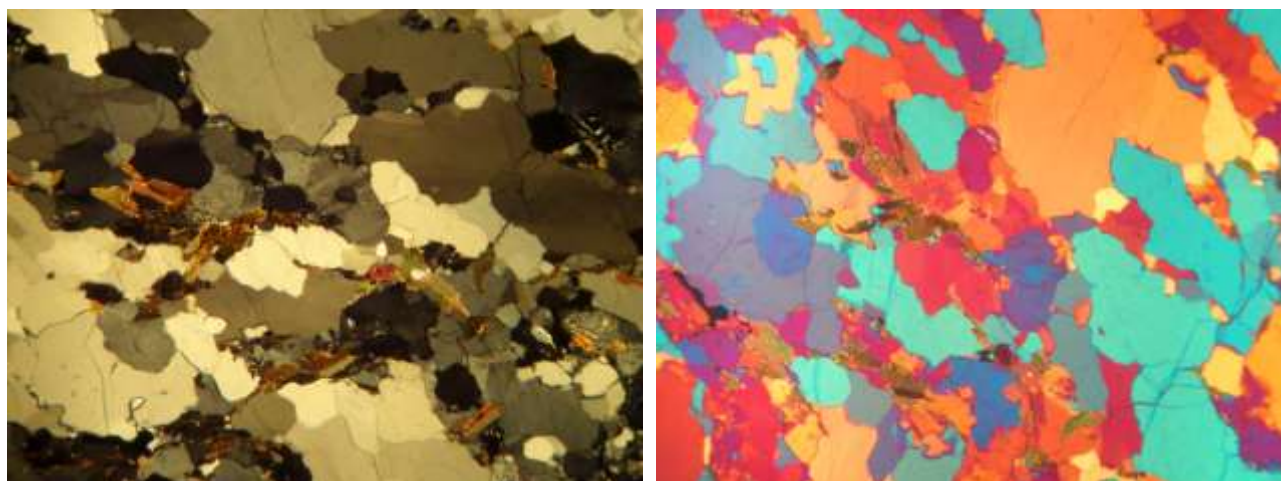
### Specification

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
	Data Output	USB2.0, HDMI
	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×/18mm
	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	$\lambda$ , $\lambda/4$ 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 $\mu$ 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



## 8. BLM-600A LCD Digital 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

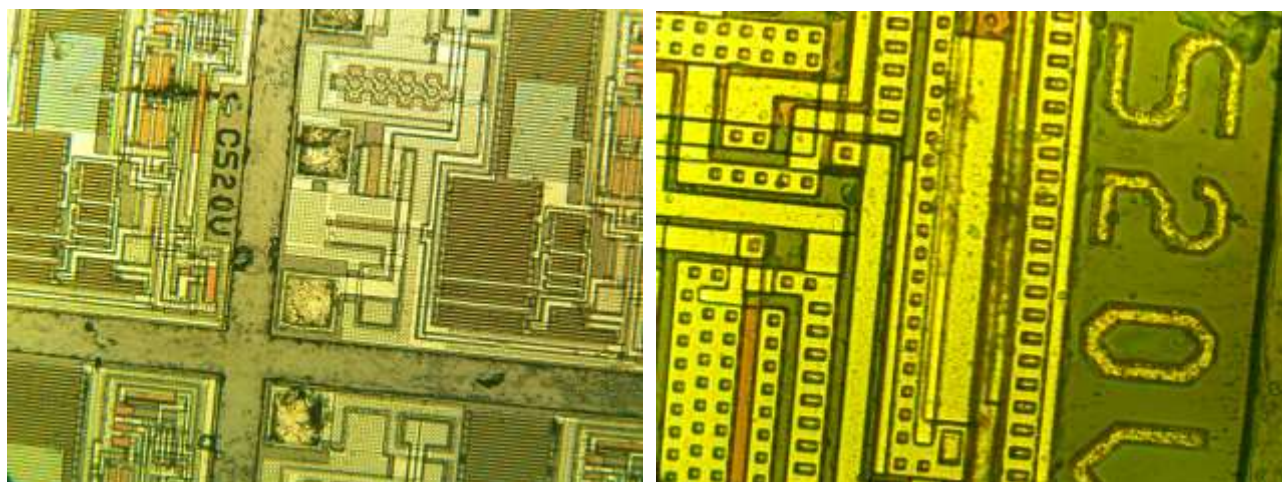
With the specially designed metallurgical analysis optical system, it also features of easy observation, intelligence and convenient operation, powerful functions and economy, it is widely used for PCB board, LCD display and metal structure observation and inspection.

### 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 1280x800	
	Data Output	USB2.0, HDMI	
	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 WF10x/18	
	Objective	Infinity Plan Achromatic	4x/0.1/∞/- WD17.3mm
			10x/0.25/∞/- WD10.0mm
			20x/0.40/∞/- WD5.8mm
			40x/0.60/∞/0 WD2.9mm
	Nosepiece	Quadruple Nosepiece	
	Stage	Double Layers Mechanical Stage 150mmx140mm / 75mmx50mm	
	Focusing System	Coaxial Coarse/Fine Focus System	
Optional Parts	Eyepiece	WF8x/18mm	
		WF10x/18mm with 0.1mm Micrometer & Cross Hair	
		WF12.5x/15mm	
	Objective	Infinity Plan Achromatic	40x/0.65/∞/- WD0.52mm
			50x/0.75/∞/- WD0.32mm
			80x/0.90/∞/- WD0.2mm
			100x/0.80/∞/0 WD2.0mm
	Illumination	Diascopic Illumination, 6V/20W Halogen Lamp, Brightness Adjustable	
		Kohler Illumination, Epi-illuminator with Iris Aperture Diaphragm and Iris Field Diaphragm, 3W LED illumination, Brightness Adjustable	
	Polarization Set	Simple Polarization Attachment	

## Sample Image



## 9. BLM-600B LCD Digital 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 12.0Mega 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 12.0Mega 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. 12.0 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
	Data Output	USB2.0, HDMI
	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	Wide Field Eyepiece WF10×/18mm
	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, Kohler Illumination
	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, 100×/ 0.80
	Stage	Attachable Mechanical Stage, X-Y Coaxial Control, Moving Range 120×78mm
		Auxiliary Stage

## Sample Images

