

BIOLOGICAL MICROSCOPE



BIOLOGICAL MICROSCOPE

Digital Biological Microscope is an optical microscope that is primarily designed to observe cells, tissues as well as other biological specimens. Magnification range anywhere from 10x – 1,000x or more by attaching multiple objective lenses.

Used in University, Medical, Laboratory, Research, Pharmaceutical.

MSC21 BIOLOGICAL MICROSCOPE

The integration of structure design to save space.

Valid mould proof design.

It can be used under the high temperature and high humidity environment.



SPECIFICATIONS

Model	MSC21-01	MSC21-02	MSC21-03	MSC21-04
Viewing Head				
Sliding Trinocular Head Inclined at 45°	Yes		No	
Compensation Free Trinocular Head inclined at 30°	No		Yes	No
10° LCD	No			Yes
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Sliding binocular head at 45°, 360° rotatable	-	-	-	-
Sliding trinocular head at 45°, 360° rotatable	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Nosepiece				
Ball Beating Quadruple Nosepiece	Yes			
Backward Quadruple Nosepiece	-	-	-	-
Quintuple Nosepiece	-	-	-	-
Quadruple Nosepiece	-	-	-	-
Toward quadruple nosepiece, center adjustable	-	-	-	-

Quadruple nosepiece	-	-	-	-
Backward quadruple nosepiece	-	-	-	-
Backward quintuple nosepiece	-	-	-	-
Eyepiece				
WF10X/ 18mm	Yes			
WF10x/18	-	-	-	-
P16 x/11	-	-	-	-
Extra wide filed eyepiece EW10x/20 with diopter adjustment	-	-	-	-
Eyepiece WF10 x/ 18 with scale of crosshair	-	-	-	-
Eyepiece WF 10 x/18	-	-	-	-
WF 10 x / 18	-	-	-	-
P16 x/ 11	-	-	-	-
WF10 x/ 20	-	-	-	-
WF15 x/ 16	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Objective				
Achromatic 4X, 10X, 40X(S) 100X(S,O)	Yes		No	Yes
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	No		Yes	Optional
Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-
Infinite plan Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-
Infinite Plan Achromatic Phase Objective 10x,20x,40x,100x	-	-	-	-
Oil Darkfield Objective with Iris Diaphragm 100x(NA0.36-1.25)	-	-	-	-
Strain free achromatic objective 4x , 10x , 40x	-	-	-	-
Achromatic objective 4x, 10x, 40x,100x	-	-	-	-
Plan achromatic objective 4x, 10x , 40x ,100x	-	-	-	-
Infinite plan achromatic objective 20x, 60x	-	-	-	-
Infinite plan achromatic objective 4x, 10x, 40x, 100x	-	-	-	-
Stage				
Double Layer Mechanical Stage 135x140mm	Yes			
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	-	-	-	-
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	-	-	-	-
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Condenser				
ABBE NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	Yes			
Abbe NA1.20 with Iris Diaphragm & Fliter	-	-	-	-
Swing Condenser N.A.0.9/0.25	-	-	-	-
Turret Phase Contrast Condenser	-	-	-	-
Dark Field Condenser (Dry)	-	-	-	-
Dark Field Condenser (Oil)	-	-	-	-
Abbe condenser with Iris diaphragm & filter	-	-	-	-

Abbe condenser NA1.25 with aperture diaphragm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
illumination				
Build-in illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	Yes			
LED 3W, Brightness Adjustable	-	-	-	-
Halogen Lamp 6 V/20 W, Brightness Adjustable	-	-	-	-
S-LED Powerful Illumination	-	-	-	-
6 V / 20 W halogen lamp, brightness adjustable	-	-	-	-
S-LED illumination, brightness adjustable	-	-	-	-
12 V/ 20 W Halogen lamp, brightness adjustable	-	-	-	-
Kohler illumination	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Power Supply				
AC110/220 V +10 % , 50/60 Hz	Yes			
AC 110~220 V, 50/60 HZ	-	-	-	-
AC 110-220 V , 50/60 HZ	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
110~220 V, 50/60 Hz	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Package				
Cartoon with foam	Yes			
Package Size				
250x360x460 mm	Yes			
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
327x273x425 mm	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
323x264x440 mm (BMM-1000), 380x260x510 mm (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Gross Weight				
8 kg	Yes			
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
7.5kg	-	-	-	-

MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
6.5 kg (BMM-1000), 10 kg (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Infinite Optical System	-	-	-	-
Finite Optical System	-	-	-	-
NA	-	-	-	-
Optional	-	-	-	-
Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75 mm	-	-	-	-
Camera System				
Valid Pixel 1280x1024 (1.3M Pixel)	-	-	-	-
Valid Pixel 1600x1200 (2.0M Pixel)	-	-	-	-
Valid Pixel 2048x1036 (3.0M Pixel)	-	-	-	-
Valid Pixel 2052x1944(5.0 M Pixel)	-	-	-	-
Output Mode USB 2.0	-	-	-	-
Operation System WINDOWS7/8 2000 / XP/VISTA	-	-	-	-
Software Scopelimage 9.0	-	-	-	-
Range of Viewing Field >90%(BMB-117M); 18 mm(BMB-300M)	-	-	-	-
Focusing				
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	-	-	-	-
Coaxial Coarse & Fine Adjustment System, Range 20 mm	-	-	-	-
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	-	-	-	-
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Accessories				
Phase Contrast Kit	-	-	-	-
Dark-Field Attachment	-	-	-	-
Polarization Attachment	-	-	-	-
Photo attachment, video attachment	-	-	-	-
Dark field condenser	-	-	-	-
Polarization set, phase contrast kit	-	-	-	-
Analyzer				
Rotatable analyzer with gradation 0°- 90°	-	-	-	-
Bertrand Lens				
Bertrand lens, sliding in/ out of optical path	-	-	-	-
Optical Compensator				
λ slip(first class red)	-	-	-	-
$\frac{1}{4}$ λ slip	-	-	-	-
Quartz wedge	-	-	-	-
Revolving Round Stage				

Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	-	-	-	-
Polarizer				
Sliding in/out of optical path, located on the top of collector	-	-	-	-
Fluorescent Straight Illumination	-	-	-	-
Protection Screen	-	-	-	-
Power	-	-	-	-
Connecting Wire	-	-	-	-
Fluorescent Free Objective	-	-	-	-
Immersion Oil	-	-	-	-
Optical System				
Infinite optical system	-	-	-	-
Achromatic Objectives	-	-	-	-

Model	MSC21-05	MSC21-06	MSC21-07	MSC21-08
Viewing Head				
Sliding Trinocular Head Inclined at 45°	-	-	-	-
Compensation Free Trinocular Head inclined at 30°	-	-	-	-
10° LCD	-	-	-	-
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	Standard Outfit	NA		
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	NA	Optional	NA	
Sliding binocular head at 45°, 360° rotatable	-	-	-	-
Sliding trinocular head at 45°, 360° rotatable	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Nosepiece				
Ball Beating Quadruple Nosepiece	-	-	-	-
Backward Quadruple Nosepiece	-	-	-	-
Quintuple Nosepiece	-	-	-	-
Quadruple Nosepiece	-	-	-	-
Toward quadruple nosepiece, center adjustable	-	-	-	-
Quadruple nosepiece	-	-	-	-
Backward quadruple nosepiece	-	-	-	-
Backward quintuple nosepiece	-	-	-	-
Eyepiece				
WF10X/ 18mm	-	-	-	-
WF10x/18	-	-	-	-
P16 x/11	-	-	-	-
Extra wide filed eyepiece EW10x/20 with diopter adjustment	-	-	-	-

Eyepiece WF10 x/ 18 with scale of crosshair	-	-	-	-
Eyepiece WF 10 x/18	-	-	-	-
WF 10 x / 18	-	-	-	-
P16 x/ 11	-	-	-	-
WF10 x/ 20	-	-	-	-
WF15 x/ 16	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Objective				
Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-
Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-
Infinite plan Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-
Infinite Plan Achromatic Phase Objective 10x,20x,40x,100x	-	-	-	-
Oil Darkfield Objective with Iris Diaphragm 100x(NA0.36-1.25)	-	-	-	-
Strain free achromatic objective 4x , 10x , 40x	-	-	-	-
Achromatic objective 4x, 10x, 40x,100x	-	-	-	-
Plan achromatic objective 4x, 10x , 40x ,100x	-	-	-	-
Infinite plan achromatic objective 20x, 60x	-	-	-	-
Infinite plan achromatic objective 4x, 10x, 40x, 100x	-	-	-	-
Stage				
Double Layer Mechanical Stage 135x140mm	-	-	-	-
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	-	-	-	-
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	-	-	-	-
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Condenser				
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	-	-	-	-
Abbe NA1.20 with Iris Diaphragm & Fliter	-	-	-	-
Swing Condenser N.A.0.9/0.25	-	-	-	-
Turret Phase Contrast Condenser	-	-	-	-
Dark Field Condenser (Dry)	-	-	-	-
Dark Field Condenser (Oil)	-	-	-	-
Abbe condenser with Iris diaphragm & filter	-	-	-	-
Abbe condenser NA1.25 with aperture diaphragm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Illumination				

Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	-	-	-	-
LED 3W, Brightness Adjustable	-	-	-	-
Halogen Lamp 6 V/20 W, Brightness Adjustable	-	-	-	-
S-LED Powerful Illumination	-	-	-	-
6 V / 20 W halogen lamp, brightness adjustable	-	-	-	-
S-LED Illumination, brightness adjustable	-	-	-	-
12 V/ 20 W Halogen lamp, brightness adjustable	-	-	-	-
Kohler illumination	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Power Supply				
AC110/220 V +10 % , 50/60 Hz	-	-	-	-
AC 110~220 V, 50/60 HZ	-	-	-	-
AC 110-220 V , 50/60 HZ	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
110~220 V, 50/60 Hz	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Package				
Cartoon with foam	-	-	-	-
Package Size				
250x360x460 mm	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
327x273x425 mm	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
323x264x440 mm (BMM-1000), 380x260x510 mm (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Gross Weight				
8 kg	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
7.5kg	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
6.5 kg (BMM-1000), 10 kg (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-

MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Infinite Optical System	NA		Standard Outfit	
Finite Optical System	Standard Outfit		NA	
NA	Focusing System: Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Moving Range 25 mm		Illumination: 6 V /20 W Halogen Lamp, Brightness Adjustable	
Optional	Power Supply: AC 110~220 V, 50/60 HZ			
Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75 mm	-	-	-	-
Camera System				
Valid Pixel 1280x1024 (1.3M Pixel)	-	-	-	-
Valid Pixel 1600x1200 (2.0M Pixel)	-	-	-	-
Valid Pixel 2048x1036 (3.0M Pixel)	-	-	-	-
Valid Pixel 2052x1944(5.0 M Pixel)	-	-	-	-
Output Mode USB 2.0	-	-	-	-
Operation System WINDOWS7/8 2000 / XP/VISTA	-	-	-	-
Software Scopelimage 9.0	-	-	-	-
Range of Viewing Field >90%(BMB-117M); 18 mm(BMB-300M)	-	-	-	-
Focusing				
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	-	-	-	-
Coaxial Coarse & Fine Adjustment System, Range 20 mm	-	-	-	-
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	-	-	-	-
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Accessories				
Phase Contrast Kit	-	-	-	-
Dark-Field Attachment	-	-	-	-
Polarization Attachment	-	-	-	-
Photo attachment, video attachment	-	-	-	-
Dark field condenser	-	-	-	-
Polarization set, phase contrast kit	-	-	-	-
Analyzer				
Rotatable analyzer with gradation 0°- 90°	-	-	-	-
Bertrand Lens				
Bertrand lens, sliding in/ out of optical path	-	-	-	-
Optical Compensator				
λ slip(first class red)	-	-	-	-
$\frac{1}{4}$ λ slip	-	-	-	-
Quartz wedge	-	-	-	-
Revolving Round Stage				

Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	-	-	-	-
Polarizer				
Sliding in/out of optical path, located on the top of collector	-	-	-	-
Fluorescent Straight Illumination	-	-	-	-
Protection Screen	-	-	-	-
Power	-	-	-	-
Connecting Wire	-	-	-	-
Fluorescent Free Objective	-	-	-	-
Immersion Oil	-	-	-	-
Optical System				
Infinite optical system	-	-	-	-
Achromatic Objectives	-	-	-	-

Model	MSC21-09	MSC21-10	MSC21-11	MSC21-12
Viewing Head				
Sliding Trinocular Head Inclined at 45°	-	-	-	-
Compensation Free Trinocular Head inclined at 30°	-	-	-	-
10° LCD	-	-	-	-
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Sliding binocular head at 45°, 360° rotatable	-	-	Standard Outfit	NA
Sliding trinocular head at 45°, 360° rotatable	-	-	NA	Standard Outfit
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Nosepiece				
Ball Beating Quadruple Nosepiece	-	-	-	-
Backward Quadruple Nosepiece	Standard Outfit	NA	-	-
Quintuple Nosepiece	NA	Optional	-	-
Quadruple Nosepiece	NA	Standard Outfit	-	-
Toward quadruple nosepiece, center adjustable	-	-	Standard Outfit	
Quadruple nosepiece	-	-	-	-
Backward quadruple nosepiece	-	-	-	-
Backward quintuple nosepiece	-	-	-	-
Eyepiece				
WF10X/ 18mm	-	-	-	-

WF10x/18	Standard Outfit		-	-
P16 x/11	Optional	NA	-	-
Extra wide filed eyepiece EW10x/20 with diopter adjustment	NA	Optional	-	-
Eyepiece WF10 x/ 18 with scale of crosshair	-	-	Standard Outfit	
Eyepiece WF 10 x/18	-	-	Standard Outfit	
WF 10 x / 18	-	-	-	-
P16 x/ 11	-	-	-	-
WF10 x/ 20	-	-	-	-
WF15 x/ 16	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Objective				
Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-
Achromatic Objective 4x, 10x, 40x, 100x	Standard Outfit	Optional	-	-
Infinite plan Achromatic Objective 4x, 10x, 40x, 100x	Optional	Standard Outfit	-	-
Infinite Plan Achromatic Phase Objective 10x,20x,40x,100x	NA	Optional	-	-
Oil Darkfield Objective with Iris Diaphragm 100x(NA0.36-1.25)	NA	Optional	-	-
Strain free achromatic objective 4x , 10x , 40x	-	-	Standard Outfit	
Achromatic objective 4x, 10x, 40x,100x	-	-	-	-
Plan achromatic objective 4x, 10x , 40x ,100x	-	-	-	-
Infinite plan achromatic objective 20x, 60x	-	-	-	-
Infinite plan achromatic objective 4x, 10x, 40x, 100x	-	-	-	-
Stage				
Double Layer Mechanical Stage 135x140mm	-	-	-	-
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	Standard Outfit		-	-
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	-	-	-	-
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Condenser				
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	-	-	-	-
Abbe NA1.20 with Iris Diaphragm & Fliter	Standard Outfit	NA	-	-
Swing Condenser N.A.0.9/0.25	NA	Standard Outfit	-	-
Turret Phase Contrast Condenser	NA	Optional	-	-
Dark Field Condenser (Dry)	NA	Optional	-	-
Dark Field Condenser (Oil)	NA	Optional	-	-
Abbe condenser with Iris diaphragm & filter	-	-	Standard Outfit	

Abbe condenser NA1.25 with aperture diaphragm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Illumination				
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	-	-	-	-
LED 3W, Brightness Adjustable	Standard Outfit	NA	-	-
Halogen Lamp 6 V/20 W, Brightness Adjustable	Optional	NA	-	-
S-LED Powerful Illumination	NA	Standard Outfit	-	-
6 V / 20 W halogen lamp, brightness adjustable	-	-	Standard Outfit	
S-LED Illumination, brightness adjustable	-	-	-	-
12 V/ 20 W Halogen lamp, brightness adjustable	-	-	-	-
Kohler illumination	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Power Supply				
AC110/220 V +10 % , 50/60 Hz	-	-	-	-
AC 110~220 V, 50/60 HZ	Standard Outfit		-	-
AC 110-220 V , 50/60 HZ	-	-	Standard Outfit	
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
110~220 V, 50/60 Hz	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Package				
Cartoon with foam	-	-	-	-
Package Size				
250x360x460 mm	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
327x273x425 mm	-	-	Standard Outfit	
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
323x264x440 mm (BMM-1000), 380x260x510 mm (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Gross Weight				
8 kg	-	-	-	-

MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
7.5kg	-	-	Standard Outfit	
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
6.5 kg (BMM-1000), 10 kg (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Infinite Optical System	-	-	-	-
Finite Optical System	-	-	-	-
NA	-	-	-	-
Optional	-	-	-	-
Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75 mm	Standard Outfit		-	-
Camera System				
Valid Pixel 1280x1024 (1.3M Pixel)	Standard Outfit	NA	-	-
Valid Pixel 1600x1200 (2.0M Pixel)	Optional	NA	-	-
Valid Pixel 2048x1036 (3.0M Pixel)	NA	Standard Outfit	-	-
Valid Pixel 2052x1944(5.0 M Pixel)	NA	Optional	-	-
Output Mode USB 2.0	Standard Outfit		-	-
Operation System WINDOWS7/8 2000 / XP/VISTA	Standard Outfit		-	-
Software ScopelImage 9.0	Standard Outfit		-	-
Range of Viewing Field >90%(BMB-117M); 18 mm(BMB-300M)	Standard Outfit		-	-
Focusing				
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	Standard Outfit	NA	-	-
Coaxial Coarse & Fine Adjustment System, Range 20 mm	NA	Standard Outfit	-	-
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	-	-	Standard Outfit	
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Accessories				
Phase Contrast Kit	Optional		-	-
Dark-Field Attachment	Optional		-	-
Polarization Attachment	Optional		-	-
Photo attachment, video attachment	-	-	-	-
Dark field condenser	-	-	-	-
Polarization set, phase contrast kit	-	-	-	-
Analyzer				
Rotatable analyzer with gradation 0°- 90°	-	-	Standard Outfit	

Bertrand Lens				
Bertrand lens, sliding in/ out of optical path	-	-	Standard Outfit	
Optical Compensator				
λ slip(first class red)	-	-	Standard Outfit	
$\frac{1}{4} \lambda$ slip	-	-	Standard Outfit	
Quartz wedge	-	-	Standard Outfit	
Revolving Round Stage				
Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	-	-	Standard Outfit	
Polarizer				
Sliding in/out of optical path, located on the top of collector	-	-	Standard Outfit	
Fluorescent Straight Illumination	-	-	-	-
Protection Screen	-	-	-	-
Power	-	-	-	-
Connecting Wire	-	-	-	-
Fluorescent Free Objective	-	-	-	-
Immersion Oil	-	-	-	-
Optical System				
Infinite optical system	-	-	-	-
Achromatic Objectives	-	-	-	-

Model	MSC21-13	MSC21-14	MSC21-19	MSC21-20
Viewing Head				
Sliding Trinocular Head Inclined at 45°	-	-	-	-
Compensation Free Trinocular Head inclined at 30°	-	-	-	-
10° LCD	-	-	-	-
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Sliding binocular head at 45°, 360° rotatable	-	-	-	-
Sliding trinocular head at 45°, 360° rotatable	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	Standard Outfit	
Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	Optional	
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Nosepiece				
Ball Beating Quadruple Nosepiece	-	-	-	-
Backward Quadruple Nosepiece	-	-	-	-
Quintuple Nosepiece	-	-	-	-
Quadruple Nosepiece	-	-	-	-
Toward quadruple nosepiece, center adjustable	-	-	-	-

Quadruple nosepiece	-	-	Standard Outfit	NA
Backward quadruple nosepiece	-	-	NA	Standard Outfit
Backward quintuple nosepiece	-	-	NA	Optional
Eyepiece				
WF10X/ 18mm	-	-	-	-
WF10x/18	-	-	-	-
P16 x/11	-	-	-	-
Extra wide filed eyepiece EW10x/20 with diopter adjustment	-	-	-	-
Eyepiece WF10 x/ 18 with scale of crosshair	-	-	-	-
Eyepiece WF 10 x/18	-	-	-	-
WF 10 x / 18	-	-	Standard Outfit	NA
P16 x/ 11	-	-	Optional	NA
WF10 x/ 20	-	-	NA	Standard Outfit
WF15 x/ 16	-	-	NA	Optional
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Objective				
Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-
Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-
Infinite plan Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-
Infinite Plan Achromatic Phase Objective 10x,20x,40x,100x	-	-	-	-
Oil Darkfield Objective with Iris Diaphragm 100x(NA0.36-1.25)	-	-	-	-
Strain free achromatic objective 4x , 10x , 40x	-	-	-	-
Achromatic objective 4x, 10x, 40x,100x	-	-	Standard Outfit	NA
Plan achromatic objective 4x, 10x , 40x ,100x	-	-	Optional	NA
Infinite plan achromatic objective 20x, 60x	-	-	NA	Optional
Infinite plan achromatic objective 4x, 10x, 40x, 100x	-	-	Optional	Standard Outfit
Stage				
Double Layer Mechanical Stage 135x140mm	-	-	-	-
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	-	-	-	-
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	-	-	Standard Outfit	NA
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	-	-	NA	Standard Outfit
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Condenser				

ABBE NA1.25 condenser with Iris Diaphragm & filter, rack&pinion adjustable	-	-	-	-
Abbe NA1.20 with Iris Diaphragm & Fliter	-	-	-	-
Swing Condenser N.A.0.9/0.25	-	-	-	-
Turret Phase Contrast Condenser	-	-	-	-
Dark Field Condenser (Dry)	-	-	-	-
Dark Field Condenser (Oil)	-	-	-	-
Abbe condenser with Iris diaphragm & filter	-	-	-	-
Abbe condenser NA1.25 with aperture diaphragm	-	-	Standard Outfit	
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Illumination				
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	-	-	-	-
LED 3W, Brightness Adjustable	-	-	-	-
Halogen Lamp 6 V/20 W, Brightness Adjustable	-	-	-	-
S-LED Powerful Illumination	-	-	-	-
6 V / 20 W halogen lamp, brightness adjustable	-	-	-	-
S-LED Illumination, brightness adjustable	-	-	Standard Outfit	
12 V/ 20 W Halogen lamp, brightness adjustable	-	-	Optional	
Kohler illumination	-	-	Optional	
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Power Supply				
AC110/220 V +10 % , 50/60 Hz	-	-	-	-
AC 110~220 V, 50/60 HZ	-	-	-	-
AC 110-220 V , 50/60 HZ	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
110~220 V, 50/60 Hz	-	-	Standard Outfit	
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Package				
Cartoon with foam	-	-	-	-
Package Size				
250x360x460 mm	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
327x273x425 mm	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
323x264x440 mm (BMM-1000), 380x260x510 mm (BMM-2000)	-	-	Standard Outfit	

MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Gross Weight				
8 kg	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
7.5kg	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
6.5 kg (BMM-1000), 10 kg (BMM-2000)	-	-	Standard Outfit	
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Infinite Optical System	-	-	-	-
Finite Optical System	-	-	-	-
NA	-	-	-	-
Optional	-	-	-	-
Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75 mm	-	-	-	-
Camera System				
Valid Pixel 1280x1024 (1.3M Pixel)	-	-	-	-
Valid Pixel 1600x1200 (2.0M Pixel)	-	-	-	-
Valid Pixel 2048x1036 (3.0M Pixel)	-	-	-	-
Valid Pixel 2052x1944(5.0 M Pixel)	-	-	-	-
Output Mode USB 2.0	-	-	-	-
Operation System WINDOWS7/8 2000 / XP/VISTA	-	-	-	-
Software ScopelImage 9.0	-	-	-	-
Range of Viewing Field >90%(BMB-117M); 18 mm(BMB-300M)	-	-	-	-
Focusing				
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	-	-	-	-
Coaxial Coarse & Fine Adjustment System, Range 20 mm	-	-	-	-
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	-	-	-	-
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	-	-	Standard Outfit	
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Accessories				
Phase Contrast Kit	-	-	-	-
Dark-Field Attachment	-	-	-	-
Polarization Attachment	-	-	-	-
Photo attachment, video attachment	-	-	Optional	

Dark field condenser	-	-	Optional	NA
Polarization set, phase contrast kit	-	-	NA	Optional
Analyzer				
Rotatable analyzer with gradation 0°- 90°	-	-	-	-
Bertrand Lens				
Bertrand lens, sliding in/ out of optical path	-	-	-	-
Optical Compensator				
λ slip(first class red)	-	-	-	-
$\frac{1}{4} \lambda$ slip	-	-	-	-
Quartz wedge	-	-	-	-
Revolving Round Stage				
Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	-	-	-	-
Polarizer				
Sliding in/out of optical path, located on the top of collector	-	-	-	-
Fluorescent Straight Illumination	B(Blue), G(Green) exciting light filter system O ordinary light system 100 W HBO super high-pressured spherical mercury lamp		-	-
Protection Screen	Screen to resist the UV		-	-
Power	AC input 220 V		-	-
Connecting Wire	With 2 connectors		-	-
Fluorescent Free Objective	10X, 20X, 40X (S), 100X (S, Oil)		-	-
Immersion Oil	Fluorescent free oil		-	-
Optical System				
Infinite optical system	-	-	NA	Standard Outfit
Achromatic Objectives	-	-	-	-

Model	MSC21-21	MSC21-22	MSC21-23	MSC21-24
Viewing Head				
Sliding Trinocular Head Inclined at 45°	-	-	-	-
Compensation Free Trinocular Head inclined at 30°	-	-	-	-
10° LCD	-	-	-	-
Seidentopf Binocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Seidentopf Trinocular Viewing Head Inclined at 30°, Interpupillary 47-78mm	-	-	-	-
Sliding binocular head at 45°, 360° rotatable	-	-	-	-
Sliding trinocular head at 45°, 360° rotatable	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
Siedentopf binocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
Siedentopf trinocular viewing head, inclined at 30°, 360° rotatable, Interpupillary 48~75 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-

Nosepiece					
Ball Beating Quadruple Nosepiece	-	-	-	-	-
Backward Quadruple Nosepiece	-	-	-	-	-
Quintuple Nosepiece	-	-	-	-	-
Quadruple Nosepiece	-	-	-	-	-
Toward quadruple nosepiece, center adjustable	-	-	-	-	-
Quadruple nosepiece	-	-	-	-	-
Backward quadruple nosepiece	-	-	-	-	-
Backward quintuple nosepiece	-	-	-	-	-
Eyepiece					
WF10X/ 18mm	-	-	-	-	-
WF10x/18	-	-	-	-	-
P16 x/11	-	-	-	-	-
Extra wide filed eyepiece EW10x/20 with diopter adjustment	-	-	-	-	-
Eyepiece WF10 x/ 18 with scale of crosshair	-	-	-	-	-
Eyepiece WF 10 x/18	-	-	-	-	-
WF 10 x / 18	-	-	-	-	-
P16 x/ 11	-	-	-	-	-
WF10 x/ 20	-	-	-	-	-
WF15 x/ 16	-	-	-	-	-
MSC21-21	-	-	-	-	-
MSC21-22	-	-	-	-	-
MSC21-23	-	-	-	-	-
MSC21-24	-	-	-	-	-
Objective					
Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-	-
Plan Achromatic 4X, 10X, 40X(S) 100X(S,O)	-	-	-	-	-
Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-	-
Infinite plan Achromatic Objective 4x, 10x, 40x, 100x	-	-	-	-	-
Infinite Plan Achromatic Phase Objective 10x,20x,40x,100x	-	-	-	-	-
Oil Darkfield Objective with Iris Diaphragm 100x(NA0.36-1.25)	-	-	-	-	-
Strain free achromatic objective 4x , 10x , 40x	-	-	-	-	-
Achromatic objective 4x, 10x, 40x,100x	-	-	-	-	-
Plan achromatic objective 4x, 10x , 40x ,100x	-	-	-	-	-
Infinite plan achromatic objective 20x, 60x	-	-	-	-	-
Infinite plan achromatic objective 4x, 10x, 40x, 100x	-	-	-	-	-
Stage					
Double Layer Mechanical Stage 135x140mm	-	-	-	-	-
Double Layers Mechanical Stage 140x140 mm, Moving range 75x50 mm	-	-	-	-	-
Double layers mechanical stage:132x142 mm, moving range:75x40 mm	-	-	-	-	-
Rectangular 230x150 mm stage, moving range:78x54 mm, using low positioned X/Y coaxial control knob	-	-	-	-	-
MSC21-21	-	-	-	-	-
MSC21-22	-	-	-	-	-
MSC21-23	-	-	-	-	-
MSC21-24	-	-	-	-	-
Condenser					
ABBE NA1.25 condenser with Iris Diaphragm &filter, rack&pinion adjustable	-	-	-	-	-

Abbe NA1.20 with Iris Diaphragm & Fliter	-	-	-	-
Swing Condenser N.A.0.9/0.25	-	-	-	-
Turret Phase Contrast Condenser	-	-	-	-
Dark Field Condenser (Dry)	-	-	-	-
Dark Field Condenser (Oil)	-	-	-	-
Abbe condenser with Iris diaphragm & filter	-	-	-	-
Abbe condenser NA1.25 with aperture diaphragm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Illumination				
Build-in Illumination, Halogen lamp 6 V / 20 W, Power supply 90-230 V	-	-	-	-
LED 3W, Brightness Adjustable	-	-	-	-
Halogen Lamp 6 V/20 W, Brightness Adjustable	-	-	-	-
S-LED Powerful Illumination	-	-	-	-
6 V / 20 W halogen lamp, brightness adjustable	-	-	-	-
S-LED Illumination, brightness adjustable	-	-	-	-
12 V/ 20 W Halogen lamp, brightness adjustable	-	-	-	-
Kohler illumination	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Power Supply				
AC110/220 V +10 % , 50/60 Hz	-	-	-	-
AC 110~220 V, 50/60 HZ	-	-	-	-
AC 110-220 V , 50/60 HZ	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
110~220 V, 50/60 Hz	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Package				
Cartoon with foam	-	-	-	-
Package Size				
250x360x460 mm	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
327x273x425 mm	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
323x264x440 mm (BMM-1000), 380x260x510 mm (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-

MSC21-24	-	-	-	-
Gross Weight				
8 kg	-	-	-	-
MSC21-09	-	-	-	-
MSC21-10	-	-	-	-
7.5kg	-	-	-	-
MSC21-13	-	-	-	-
MSC21-14	-	-	-	-
6.5 kg (BMM-1000), 10 kg (BMM-2000)	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Infinite Optical System	-	-	-	-
Finite Optical System	-	-	-	-
NA	-	-	-	-
Optional	-	-	-	-
Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75 mm	-	-	-	-
Camera System				
Valid Pixel 1280x1024 (1.3M Pixel)	-	-	-	-
Valid Pixel 1600x1200 (2.0M Pixel)	-	-	-	-
Valid Pixel 2048x1036 (3.0M Pixel)	-	-	-	-
Valid Pixel 2052x1944(5.0 M Pixel)	-	-	-	-
Output Mode USB 2.0	-	-	-	-
Operation System WINDOWS7/8 2000 / XP/VISTA	-	-	-	-
Software ScopelImage 9.0	-	-	-	-
Range of Viewing Field >90%(BMB-117M); 18 mm(BMB-300M)	-	-	-	-
Focusing				
Coaxial Coarse & Fine Adjustment System, Range 24 mm, Fine Division 0.004 mm	-	-	-	-
Coaxial Coarse & Fine Adjustment System, Range 20 mm	-	-	-	-
Coaxial coarse & fine adjustment, range 28 mm, fine division 0.002 mm	-	-	-	-
Coaxial coarse & fine adjustment , fine division 0.002 mm, coarse stroke 37.7 mm per rotation, fine stroke 0.2 mm per rotation, moving range 20 mm	-	-	-	-
MSC21-21	-	-	-	-
MSC21-22	-	-	-	-
MSC21-23	-	-	-	-
MSC21-24	-	-	-	-
Accessories				
Phase Contrast Kit	-	-	-	-
Dark-Field Attachment	-	-	-	-
Polarization Attachment	-	-	-	-
Photo attachment, video attachment	-	-	-	-
Dark field condenser	-	-	-	-
Polarization set, phase contrast kit	-	-	-	-
Analyzer				
Rotatable analyzer with gradation 0°- 90°	-	-	-	-
Bertrand Lens				
Bertrand lens, sliding in/ out of optical path	-	-	-	-

Optical Compensator				
λ slip(first class red)	-	-	-	-
¼ λ slip	-	-	-	-
Quartz wedge	-	-	-	-
Revolving Round Stage				
Diameter Φ 160 mm, graduated in 1° increments, Minimum resolution 6' when using vernier scale	-	-	-	-
Polarizer				
Sliding in/out of optical path, located on the top of collector	-	-	-	-
Fluorescent Straight Illumination	-	-	-	-
Protection Screen	-	-	-	-
Power	-	-	-	-
Connecting Wire	-	-	-	-
Fluorescent Free Objective	-	-	-	-
Immersion Oil	-	-	-	-
Optical System				
Infinite optical system	-	-	-	-
Achromatic Objectives	4X, 10X, 40X (Spring) ,100X (Spring, Oil)			



MSC21-01



MSC21-02



MSC21-03



MSC21-04



MSC21-05



MSC21-06



MSC21-07



MSC21-08



MSC21-09



MSC21-10



MSC21-11



MSC21-12



MSC21-13



MSC21-14



MSC21-19



MSC21-20



Product Image Coming Soon

MSC21-21



MSC21-22



MSC21-23



MSC21-24

MSC21 BIOLOGICAL MICROSCOPE

- Excellent optical function with infinite optical system.
- Innovative stand structure and sharp image display.
- Convenient operation and special design for viewing incubating cell tissue.
- Valid mould proof design.
- It can be used under the high temperature and high humidity environment.



SPECIFICATIONS

Model	MSC21-15	MSC21-16	MSC21-17	MSC21-18
Optical System				
Infinite optical system	Standard Outfit	-	-	-
Viewing Head				
Trinocular head inclined at 30°, interpupillary distance 48-75 mm	Standard Outfit	-	-	-
Eyepiece				
High-point, extra wide field eyepiece EW10 x/ 22	Standard Outfit	-	-	-
LWD infinite plan objective				
4x/0.1, WD 17.3 mm;	Standard Outfit	-	-	-
10x/ 0.25, WD 10 mm;	Optional	-	-	-
20x/ 0.4, WD 5.1 mm;	Optional	-	-	-
40x/ 0.6, WD 2.1mm	Standard Outfit	-	-	-
Infinite plan phase objective				

PH10x/ 0.25, WD 10 mm;	Standard Outfit	-	-	-
PH20x/ 0.4, WD 5.1 mm;	Standard Outfit	-	-	-
PH40x/ 0.65, WD 2.1 mm	Optional	-	-	-
Nosepiece				
Quintuple nosepiece	Standard Outfit	-	-	-
Condenser				
ELWD condenser NA 0.3, LWD 72 mm (without condenser 150 mm)	Standard Outfit	-	-	-
Centering				
Centering telescope (Φ 30 mm)	Optional	-	-	-
Phase Annulus				
10x-20x, 40x phase annulus plate (fixed)	Standard Outfit	-	-	-
10x-20x, 40x phase annulus plate (adjustable)	Optional	-	-	-
Stage				
Plain stage 160x250 mm	Standard Outfit	-	-	-
Glass insert	Standard Outfit	-	-	-
Attachable mechanical stage, X-Y coaxial control, moving rang120x78 mm	Optional	-	-	-
Auxiliary stages 70x180 mm	Standard Outfit	-	-	-
Terasaki holder	Optional	-	-	-
Φ 35mm petri dish holder	Optional	-	-	-
Φ 54mm slide glass holder	Optional	-	-	-
Φ 90mm petri dish holder	Optional	-	-	-
Focusing				
Coaxial Coarse and Fine Adjustment, Fine Division 0.002 mm, Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range up 8 mm, down 3 mm	Standard Outfit	-	-	-
Illumination				
Halogen lamp 6 V/ 30 W	Standard Outfit	-	-	-
LED	Optional	-	-	-
Filter				
Blue, green and ground glass, diameter 45 mm	Standard Outfit	-	-	-
Power Supply				
AC 110~220 V, 50/60 HZ	Standard Outfit	-	-	-
Accessories				
Inverted flurescent attahement FL-100, photo attachment, video adapter with C mount	Optional	-	-	-
Package Size				
468x397x665 mm	Standard Outfit	-	-	-
Gross Weight				
15.5 kg	Standard Outfit	-	-	-
Standard Outfit	-	Accessories: Photo attachment	-	-
Optional	-	Package Size	-	-
630x350x620 mm	-	Gross Weight	-	-
Yes	-	-	Package Size	

No	-	-	Power Supply: AC110/220 V ± 10%,50/60 Hz	Optional Accessories: Inverted fluorescent attachment, photo attachment, video adapter with C mount
350x250x508 mm	-	-	Gross Weight	-
468x397x665 mm	-	-	-	Gross Weight



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MSC21-16



MSC21-17



MSC21-18

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