



MICROSCOPES



cs@irisanalytical.com



+1 706 760 4500



www.irisanalytical.com



Clinical Microscope IMB-2000 Series is designed to form for routine pathology, medical laboratory, and education. Equipped with comfortable features while handling a microscope and easy to move the sample with a simple finger tap and deals with the highest diagnostic assurance while also driving workflow efficiency. Double layers mechanical stage is to fix so it is close to working desktop. Allow sample to focus through reversed quadruple nosepieces. Effortlessly conserved microscopes by end-user and helping to observe samples clearly and in detail.

Clinical Microscope IMB-2100 Series

Clinical Microscope IMB-2100 Series is a digital microscope, ideal for applications in Laboratory, clinical environments. Built-in and adding a camera to an existing microscope will create a digital microscope with resolution: 1280×1024(1.3MP); USB2.0 cameras requiring PC Scope Image 9.0 software to see the live image and windows 2000/XP/VISTA/Win 7/8/10. Fast and rapid set a specimen with one hand while adjusting the focus and operating the stage with the other hand with slight movement. 1W S-LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The monocular and binocular viewing head has excellent achromatic 4×, 10×, 40×, 100 x objectives and each eye tube has interpupillary adjustment. Features with a backward quadruple revolving nosepiece hold multiple lenses and found between the eyepiece and the stage allowing the user to turn it to achieve various levels of magnification. Though the exact level of magnification may vary with different models, most microscopes provide a low power lens with about 5X magnification and a high power lens with about 100X magnification. Featured with chromatic condenser Abbe NA1.20 with Iris Diaphragm that are concentrates and controls the light that passes through the specimen prior to entering the objective with modern cameras use a type of adjustable diaphragm known as an iris diaphragm which can reduce the amount light that hits a detector by decreasing the aperture and Filter.



- Achromatic objective to correct for color and has a flat field across the central 65% of the image and usually comes with a pair of lenses
- Coaxial Coarse & Fine Adjustment, Fine Division 0.004 mm, Coarse Stroke 32.7mm per Rotation, Fine Stroke 0.4 mm per Rotation, Moving Range 24 mm
- Offer stages that are designed to move small sample slides or entire microscopes Double layers mechanical stage of length 132×142 mm/ 75×40 mm
- Mirror and 1W S-LED Illuminator light source
- Excellent wide field technology
- Monocular 30° inclined and a 360° rotatable head binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Equipped with many accessories USB2.0, Windows 2000/XP/VISTA/Win 7/8/10, Image 9.0 software, dust cover, AC adapter and USB cable
- Small footprint and lightweight
- Easy operating with ergonomic design
- 6V/ 20W Halogen lamp as an optional accessories
- Equipped with many accessories to realize Phase Contrast Kit, Dark Field Attachment, Polarization Attachment, Rechargeable battery

Technical Specifications

Model	IMB-2106	IMB-2112
Type	Digital Microscope	
Viewing Head	Monocular Head with a digital camera, Inclined at 30°, 360° Rotatable	Binocular Head with a digital camera, Inclined at 30°, 360° Rotatable, Interpupillary Distance 48-75mm
Camera System	1280×1024 (1.3MP), USB2.0, Window 2000/ XP/ Vista/ Win 7, Image 9.0 Software, viewing rang-90%	
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.004 mm, Coarse Stroke 32.7mm per Rotation, Fine Stroke 0.4 mm per Rotation, Moving Range 24 mm	
Eyepiece	WF10×/18 mm(optional:WF16X11 mm, WF25X8 mm)	
Nosepiece	Backward Quadruple	
Objective	Achromatic 4X, 10X, 40X, 100X(optional:20X, 60X)	
Stage	Double Layers Mechanical Stage 132×142 mm/ 75×40 mm	
Light Source	1W S-LED(optional: Halogen Lamp 6V/ 20W)	
Condensers	Abbe NA1.20 with Iris Diaphragm	
Filter	Yes	
Optional Accessories	Phase Contrast Kit, Dark Field Attachment, Polarization Attachment, Rechargeable battery	
Packing Dimension	3950x2650x500 mm	
Packing Weight	8 kg	
Electrical Requirement		
Catalogue No.	4403505-04	4403510-04

Clinical Microscope IMB-2200 Series

Clinical Microscope IMB-2200 Series is ideal for the medical analysis area to observe all kinds of slides. They can be widely used in clinics, hospitals, schools, academic labs, and scientific research departments. 1W S-LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. This series of microscopes allow handlers to remain relaxed during long periods of routine microscopy observations. The microscope frame adapts the handler's hands and the location of the control knobs maximizes ergonomics to recover work efficiency. Fast and rapid set a specimen with one hand while adjusting the focus and operating the stage with the other hand with slight movement. The monocular, binocular, trinocular viewing head has excellent achromatic. 4X, 10X, 40X, 100X(Oil)(optional: Plan Achromatic 4X, 10X, 40X, 100X(Oil), Infinite Plan 4X, 10X, 20X, 40X, 60X, 100X(Oil)) objective and each eye tube has interpupillary adjustment. Koehler illumination for easy operation. Features with a backward quadruple revolving nosepiece hold multiple lenses and found between the eyepiece and the stage allowing the user to turn it to achieve various levels of magnification. Though the exact level of magnification may vary with different models, most microscopes provide a low power lens with about 5X magnification and a high power lens with about 100X magnification. Featured with chromatic condenser Abbe NA 1.25 with Iris Diaphragm that are concentrates and controls the light that passes through the specimen prior to entering the objective with modern cameras use a type of adjustable diaphragm known as an iris diaphragm which can reduce the amount light that hits a detector by decreasing the aperture and Filter.



- Achromatic objective to correct for color and has a flat field across the central 65% of the image and usually comes with a pair of lenses
- Coaxial Coarse and fine adjustment, fine division of length 0.002 mm, a coarse stroke of length 37.7/rotation, fine stroke of length 0.2 mm/rotation, moving range of length 20 mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage of length 132×142 mm/ 75×40mm
- Mirror and 1W S-LED Illuminator light source
- Excellent wide field technology
- Monocular 30° inclined and a 360° rotatable head, binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm, and trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small footprint and lightweight
- Easy operating with ergonomic design
- Excellent image quality with an infinite and finite optical system
- Equipped with many optional accessories to realize 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
- 12V/ 20W Kohler Illumination Halogen lamp as an optional accessories

Technical Specifications

Model	IMB-2207	IMB-2214	IMB-2221	IMB-2228
Type	Biological Microscope			
Viewing Head	Monocular Head at 30°, 360°	Binocular Head at 30°, 360° Interpupillary Distance 48-75mm	Trinocular Head at 30°, 360° Interpupillary Distance 48-75mm	Binocular Head with 3.2MP digital camera, at 30°, 360° Interpupillary
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.00 2mm, Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm			
Eyepiece	WF10X18 mm(optional:WF16X11 mm)			
Nosepiece	Backward Quadruple			
Objective	Achromatic 4X, 10X, 40X, 100X(Oil)(optional: Plan Achromatic 4X, 10X, 40X, 100X(Oil), Infinite Plan 4X, 10X, 20X, 40X, 60X, 100X(Oil))			
Stage	Double Layer Mechanical Stage 132×142mm/ 75×40mm			
Light Source	1W S-LED (optional:Kohler illumination and Halogen Lamp 12V/ 20W)			
Condensers	Abbe NA 1.25 with Iris Diaphragm			
Filter	Yes			
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			
Packing Dimension	320x260x440 mm			
Packing Weight	6 kg			
Electrical Requirement				
Catalogue No.	4404005-04	4404010-04	4404015-04	4404020-04

