

CLINICAL BIOLOGICAL MICROSCOPE

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 backward quadruple revolving nosepiece holds 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.

Features

- ◆ 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 132×142mm/ 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 foot print and light weight
- ◆ 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	
Magnification		
Viewing Head	Monocular Head with digital camera, Inclined at 30°, 360° Rotatable	Binocular Head with 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	
Mirror		
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

Sample Image

