

## LABORATORY MICROSCOPE IMB-3200 SERIES



Laboratory Microscope IMB-3200 Series is ideal for in biological, histological, pathological field and can be widely used in medical and sanitary establishments, laboratories, institutes, academic laboratories, colleges and universities. Support multi languages. 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 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, sliding binocular, trinocular viewing head has excellent achromatic. 44 $\times$ , 10 $\times$ , 40 $\times$ , 100 $\times$ (optional:20 $\times$ , 60 $\times$ , Semi-Plan Achromatic 4 $\times$ , 10 $\times$ , 20 $\times$ , 40 $\times$ , 60 $\times$ , 100 $\times$ , Plan Achromatic 4 $\times$ , 10 $\times$ , 20 $\times$ , 40 $\times$ , 60 $\times$ , 100 $\times$ ) objective and each eye tube has interpupillary adjustment. Features with 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 Single Lens and chromatic condenser Abbe 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 and fine adjustment, moving of length 10 mm
- ◆ Offer stages that are designed to move small sample slides or entire microscopes including Double layer mechanical stage of length 140 $\times$ 140mm/ 75 $\times$ 50
- ◆ Plan-concave Mirror and 1W S-LED Illuminator light source
- ◆ Excellent wide field technology
- ◆ Monocular 45° inclined and a 360° rotatable head, and binocular 45° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm and trinocular 45° inclined and a 360°rotatable head with interpupillary distance 55 to 75 mm
- ◆ 20W Halogen lamp as an optional accessories
- ◆ Small foot print and light weight
- ◆ Easy operating with ergonomic design
- ◆ Equipped with many optional accessories to realize dust cover, immersion oil, polarization set, phase contrast kit, dark field attachment, fluorescent attachment

## Technical Specifications

Model	IMB-3209	IMB-3218	IMB-3227	IMB-3236
Type	Biological Microscope			
Viewing Head	Monocular Head Inclined at 45°, 360° Rotatable	Sliding Binocular Head at 45°, 360° Rotatable; Interpupillary distance 55-75mm(optional: Interpupillary 48-75mm)	Sliding Trinocular Head, inclined at 45 ° and 360 ° Rotatable, Interpupillary distance 55-75mm	Sliding Binocular Head with 1.3MP digital camera, at 45°, 360° Rotatable; Interpupillary 55-75mm.
Focusing	Coaxial Coarse & Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation, Moving Range 28mm			
Eyepiece	WF10X18 mm(optional:WF16X 11 mm)			
Nosepiece	Quadruple Resolving(optional: Quintuple)			
Objective	Achromatic 4X, 10X, 40X, 100X(optional:20X, 60X, Semi-Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X, Plan Achromatic 4X, 10X, 20X, 40X, 60X, 100X)			
Stage	Double Layer Mechanical Stage 140×140mm/ 75×50 mm(optional: Left hand operation Double Layer Mechanical Stage)			
Light Source	1W S-LED(optional:/20W Halogen light)			
Condensers	Abbe NA 1.25 with Iris Diaphragm			
Mirror	Plan-concave Mirror			
Filter	Yes			
Optional Accessories	Dust cover, immersion oil, Polarization Set, Phase Contrast Kit, Dark Field Attachment, Fluorescent Attachment			
Packing Dimension	330×280×440 mm			
Packing Weight	7 kg			
Electrical Requirement	Rechargeable battery (only for LED illumination)			
Catalogue No.	4405005-04	4405010-04	4405015-04	4405020-04

## Sample Image

