



MICROSCOPES



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Digital Biological Microscope IMB-1400 Series is a digital microscope, ideal for educational applications in elementary and middle schools. 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 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 revolving nosepiece. The monocular and sliding binocular viewing head has excellent achromatic 4X, 10X, 40X(S), 100X(S, Oil) objective. Features with 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 Condenser with Iris Diaphragm and Pinion adjustment for a condenser 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, moving of length 10 mm
- Offer stages that are designed to move small sample slides or entire microscopes including Double layers mechanical stage of length 110×120 mm, Moving range X-Y of length 70×20 mm
- Featured with Mirror and 1W LED illumination Illuminator light source
- Different filters including blue and green filters
- Excellent wide field technology
- Equipped with monocular 45° inclined and a 360° rotatable head and binocular 45° inclined and a 360° rotatable head with interpupillary distance 55 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 accessories dust cover, AC adapter, and USB cable
- Accessories USB2.0, Windows 2000/XP/VISTA/Win 7/8/10, Image 9.0 software, dust cover, AC adapter, and USB cable

Technical Specifications

Model	IMB-1404	IMB-1408
Type	Digital Microscope	
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);USB2.0, Windows 2000/XP/VISTA/Win 7/8/10, Image 9.0 software	
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 10 mm	
Eyepiece	WF10×/18 mm(optional: WF5×/20 mm, WF16×/11 mm, WF25×/8 mm)	
Objective	Achromatic : 4X, 10X, 40X(S), 100X(S, Oil) (optional: 20X, 60X)	
Stage	Double Layers Mechanical Stage: 110×120 mm, Moving Range X-Y: 70×20 mm	
Light Source	1W LED illumination	
Condenser	Abbe NA 1.25 Condenser with Iris Diaphragm (2 to 28 mm)	
Accessories	dust cover, AC adapter and USB cable	
Packing Dimension	280×220×400 mm	
Packing Weight	5 kg	
Electrical Requirement	AC adapter	
Catalogue No.	4401505-04	4401510-04

