



# LABOMED, INC.



## **LB-3100 Advanced Multifunctional Surgical Microscope (Ophthalmic Surgery and Orthopedic Surgery) for 2 Viewer**

**LB-3100 Advanced Multifunctional Surgical Microscope (Ophthalmic Surgery and Orthopedic Surgery) for 2 Viewer** is an advanced double binocular operation microscope designed for two men, ZOOM magnification and foot switch. ZOOM magnifications for main microscope, 4X~25X continuous adjustment.

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## FEATURES

- Germany Schott optics ensures the surgeon bright, balanced, and fine observation.
- Apochromatic technology used in the optical design, ensures coaxial light focus and provides clearer field of view.
- Lock device under the microscope arm ensures the safe distance and prevents accidents from happening.
- Independent electrical control box with the function of automatic diagnosis, which is very convenient for installation and repair if necessary.



## SPECIFICATION

Model	LB-3100
Eyepiece Magnifications	12.5×
Objective Lens	f=200
Working Distance	170mm
Magnification for Main Microscope	4.6×~27× motorized and manual control continuous magnification
Magnification for Assistant Microscope	6×,10×,16×
Diameter of Field	Φ 46mm ~ Φ 8.5mm
Adjustable Diopter	±5D
Adjustable Range for Pupil Distance	55mm ~ 75mm (main microscope is 45mm ~ 80mm)



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Focus for Assistant Microscope	≥30mm
Illumination Source	12V/100W, cold reflection halogen lamp for medical use
Illumination Type	6°+0°coaxial illumination of cold light source, 26°oblique illumination
Coaxial Illumination	≥60000lx, 1~9level, panel operated
Oblique Illumination	≥60000lx, 1~9level, panel operated
Reaching Radius of Arm	1230mm
Adjustable Vertical Range	880mm~1420mm
Fine Focusing Speed and Range	≤2mm/s, ≥50mm
Speed for X/Y and Range	≤2mm/s, 50mm×50mm
Power Supply	AC110V±220V±10%, 50Hz/60Hz
Power Consumption	170VA
Fuse	T4.0AL, T8.0AL 125V
Packing Volume	0.756m <sup>3</sup> , 5cartons
Total Gross Weight	215kg

