



# LABOMED, INC.

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## LB-1920 Surgical Operation Microscope

Binocular operation microscope designed for single man, can meet the requirements of general ophthalmic surgery.

Germany optical lenses are all multi-coated. Image is clear and view field is even.

6°+0 coaxial illumination provides the red reflex, lens posterior capsule can be observed, so as to reduce the risk of surgery.

Radius of microscope arm increases to 1030mm, which provides larger operation range for the surgeon. Universal structure/stand to support the microscope head up and down, left and right movement, more application area.

Position lock screw can protect the arm at any location from moving.

OPTIONAL: Video Devices (1/2 or 1/4" CCD Camera, CCD Adapter, Beam Splitter and Connecting Cable)



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### Introduction

LB-1920 Operation Microscopes operating microscope is a coaxial illumination binocular operation microscope for a single man, compact, portable and flexible, it is mainly applied in clinic, hospitals and mobile hospitals for ophthalmology, ENT, Dentistry and areas like these with larger reaching radius of arm and adjustable vertical range.

### Applications

LB-1920 It is portable, compact and is mainly applied in clinic, hospitals and mobile hospitals for Ophthalmology, ENT and areas like these.

### Technical Specifications

Eyepiece Magnification:	12.5×
Objective Lens:	f=200
Working Distance:	190mm
Magnifications for Main Microscope:	5.3×, 8×, 12×
Diameter of Field:	Φ37mm, Φ25mm, Φ16.7mm
Diopter Adjustment:	±7D
Pupil Distance:	50mm~80mm
Maximal Resolution:	100LP/mm
Illumination Source:	12V/100W, medical cold reflection halogen lamp
Illumination Type:	6°+0°Coaxial cold light source illumination
Coaxial Illumination:	≥30000lx
Reaching Radius of Arm:	1030mm
Adjustable Vertical Range:	±200mm
Fine Focusing Range:	30mm
Input Voltage:	AC220V±22 V / 50Hz±1Hz, AC110V±11V /60Hz±1Hz
Power:	120VA
Fuse:	AC250V T1.25A, AC125V T2.5A
Electrical Safety Standard:	Executive Standard: GB9706.1-2007, type I
Packing Volume:	0.24m <sup>3</sup> , 1 carton
Total Weight	51kg



### Optional Accessories

1. 10× Eyepiece.
2. Table installation parts (holding stand, split column).
3. Video devices (1/2" or 1/4" CCD Camera, CCD Adapter, Beam Splitter and Connecting Cable).
4. Straight Binocular, Universal Joint (for ENT).
5. Portable packaging. Including three canvas bags and a luggage cart.
6. Magnifications and field for optional objective lens:

Objective Lens:	f250mm	F300mm	F350mm	F400mm
Total Magnifications:	4.2×, 6.4×, 9.6×	3.5×, 5.4×, 8×	3×, 4.6×, 6.8×	3×, 4×, 6×
Diameter of Field(mm):	Φ47.5, Φ31, Φ21	Φ57, Φ38, Φ25	Φ67, Φ44, Φ30	Φ76, Φ50, Φ34

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