



LB-1960

**Binocular Operational Microscope for ENT and Ophthalmology
(Ophthalmic Microsurgery)**



LB-1960 Binocular Operational Microscope for ENT and Ophthalmology (Ophthalmic Microsurgery) is a coaxial illumination binocular operation microscope for one person, compact, portable and flexible. It can meet general requirements of ophthalmic microsurgery.

APPLICATION

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

FEATURES

- Binocular operation microscope designed for one person, 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.

SPECIFICATION

Eyepiece Magnification	12.5×
Objective Focus	f=200
Working Distance	190mm
Magnification for Main Microscope	5.3×, 8×, 12× steps
Diameter of Field	F37mm, F25mm, F16.7mm
Diopter Adjustment	±7D
Pupil Distance	50mm~80mm
Maximal Resolution	100 LP/mm
Illumination Source bulb	12V/100W, cold reflection medical halogen
Illumination Type	6°+0° cold light coaxial illumination
Coaxial Illumination	≥30000lx
Reaching Radius of Arm	1030mm
Adjustable Vertical Range	±200mm
Fine Focusing Range	30mm
Input Voltage	AC220V±22V/50Hz±1Hz, AC110V±11V/60Hz±1Hz
Power	120VA
Fuse	AC250V T1.25A, AC125V T2.5A
Electrical Safety Standard	Executive Standard GB9706.1-2007 Class I
Packing Volume	0.24m ³ , 1 carton
Total Weight	51kg



* Accessories, Camera and LCD are optional

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 filed for optional objective lens:

Optional Accessories

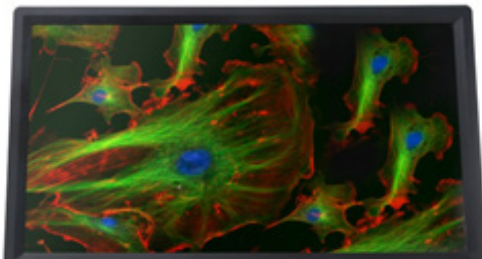
CCD Camera LC-8 C-Mount HDMI+WiFi CMOS Camera

Objective Lens	F250mm	F300mm	F350mm	F400mm
Total Magnifications	4.2x, 6.4x, 9.6x	3.5x, 5.4x, 8x	3x, 4.6x, 6.8x	3x, 4x, 6x
Diameter of Field(mm)	Φ47.5, Φ31, Φ21	Φ57, Φ38, Φ25	Φ67, Φ44, Φ30	Φ76, Φ50, Φ34

OPTIONAL CAMERA AND MONITOR:

LC-8 C-MOUNT HDMI+WiFi CMOS CAMERA AND MONITOR:

Camera Front and Back



Front View



Back View



Side view

Monitor Basic Characteristics:

- HDMI Monitor
- True 1080P
- LCD Panel
- High Contrast Ratio up to 1000:1
- LED back light with 50000 hours long life time
- 11.6 inch active area

Monitor Basic Performance

LCD Panel	IPS LCD Screen (Super TFT)
Input Video Format	HDMI
Native Resolution	1920x1080
Display Type	16:9 Ratio 11.6 Inch Active
Typical Contrast Ratio	1000:1
Colors	16.7 Million
Viewing Angle (L/R/U/D)	IPS Full View
Active Display Area	258mm(W)×145mm(H)
Pixel Pitch	0.134(W)X0.134(H)mm
Brightness	350cd/sq.m;400cdsq.m
Backlight	LED Backlight, 50000 hours

Outline Parameter

Color	Black
Dimension	281(L)*179(H)*15.6(W) mm
Weight	400g

Operating Environment

Operating Temperature	-15 Degree~55 Degree
Humidity Non Condensing	Operating:10%-
Synchronization Range	30-80KHz Horizontal,55-
Power Supply	AC110V-220V /DC12V(1A)
Power Consumption	Max12W