



LB-1970

**Binocular Operational Microscope for ENT, Orthopedic,
Ophthalmology and Gynecology (Microsurgery)**



LB-1970 Binocular Operational Microscope for ENT, Orthopedic, Ophthalmology and Gynecology (Microsurgery) adopts wholly new optical system, with clear image and wide view field, it is mainly used for operations and fine examinations of ophthalmology, gynecology, ENT and so on.

APPLICATION

It is compact and with complete functions, it is mainly applied in clinic, hospitals and mobile hospitals for operations and examinations of ophthalmology, gynecology, ENT and so on.

FEATURES

- ZOOM magnification system, 4×~24× zoom magnification, horizontal movement of foot control and fine focusing.
- Compact structure and complete functions.
- Germany imported Schott optics ensure the sharp image and even field of view.
- Cold light source fiber illumination does no harm to tissues.

SPECIFICATION

| | |
|---|---|
| Eyepiece Magnification | 12.5×/16B |
| Diopter Adjustment | ±6D |
| Pupil Distance | 50mm~75mm |
| Visual Angle of Eyepiece | 30°~90° (Eyepiece moving between 0°~180° is optional) |
| Magnifications for Main Microscope (Diameter of Field) | 4×~24×(41.5mm~7.5mm) |
| Objective Lens | f=200 (f=175/250/300 is optional) |
| Maximal Resolution | 119LP/mm |
| Working Distance | 190mm |
| Illumination Source | 15V/150W, Medical Cold-reflection Halogen Bulb |
| Illumination Type | 6°+0° Coaxial Illumination |
| Coaxial Illumination | ≥40,000lx |
| Filters | Orange filter(cobalt filter is optional) |
| Reaching Radius of Arm | 1020mm |
| Adjustable Vertical Range | 250mm |
| Fine Focusing Range and Speed | 30mm, ≤2mm/s |
| Speed for X-Y and Range | 50mm×50mm, ≤2mm/s |
| Input Voltage | AC220V±22v/ 50Hz±1Hz, AC110V±11v / 60Hz±1Hz |
| Power | 200VA |
| Fuse | T2AL 250V (51S-040H), T4AL 125V (51S-080L) |
| Electrical Safety Standard | Executive Standard:GB9706.1-2007, Class I |



* Accessories, Camera and LCD are optional

Packing Volume 0.418m, 2cartons
Total Weight 87kg

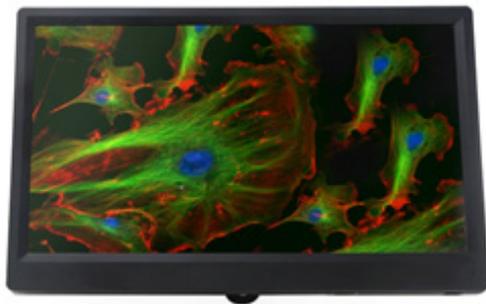
Optional Accessories

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

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 |