



# **LB-1920**

## **TRINOCULAR SURGICAL MICROSCOPE FOR OPHTHALMIC SURGERY**



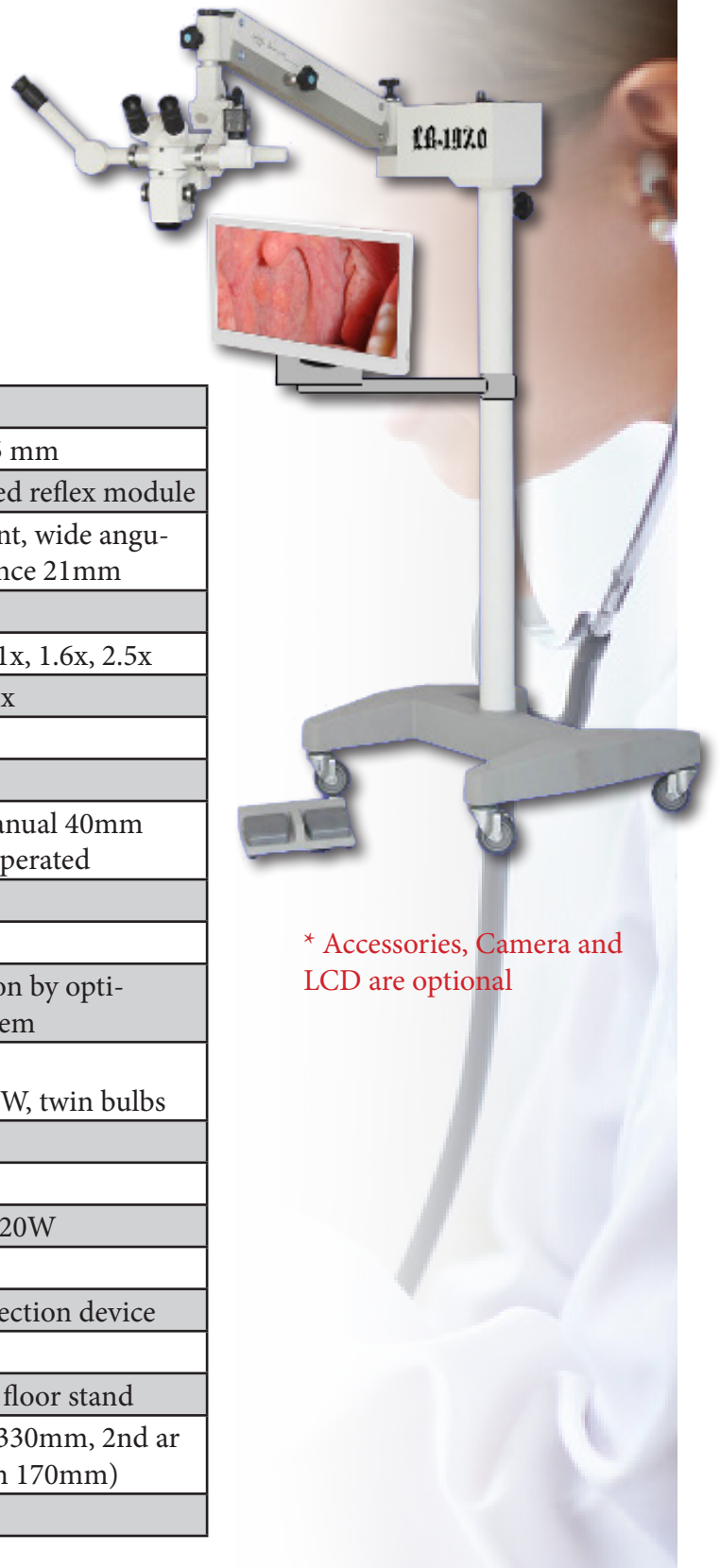
**LB-1920 Trinocular Surgical Microscope for Ophthalmic Surgery** offers coaxial light and a motorized continuous optical system. Used by many surgical specialists around the world, this microscope offers excellent image resolution and stable performance throughout daily surgical procedures.

### Features

- Double binocular magnification: 3x – 22x
- Magnification mode: motorized continuity
- Diameter of viewing field: 56 – 9 mm
- Illumination: Cold coaxial light optical system
- Foot pedal, controlled focus

### SPECIFICATION

MICROSCOPE	
Binocular	45° inclined f'=125 mm
Objective	f'=200 mm, with red reflex module
Eyepiece	12.5x, high-eyepoint, wide angular, pupil exit distance 21mm
Diopter adjustment	-5D ~ + 5D
Magnification changer	5 steps: 0.4x, 0.6x, 1x, 1.6x, 2.5x
Total magnifications	4x, 6x, 10x, 16x, 25x
Visual field	52mm-8mm
Interpupillary distance	55mm-75 mm
Focusing	Micro-focusing manual 40mm motorized, pedal operated
Working distance	195 mm
ILLUMINATION	
Type	Coaxial illumination by optical light-guide system
Cold light source	Halo-gen lamp, 15V/150W, twin bulbs
Illumination control	3 steps
Field of illumination	60mm
Power supply	AC 110V/220V - 220W
Light intensity	80,000 LUX
Filter	Green, retinal protection device
ARM, STAND	
Type	Pantographic arm, floor stand
Range	1210mm (1st arm 330mm, 2nd arm 605mm, 3rd arm 170mm)
Rotation angle	270°



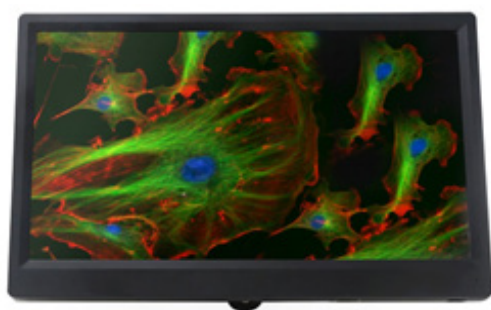
\* Accessories, Camera and LCD are optional

Elevation stroke	350mm
Base size	600mm x 560mm
Weight	80 KGS
<b>OPERATION</b>	
Controls	Foot-pedal controlled focus
<b>OPTIONAL ACCESSORIES (Must be purchased separately)</b>	
Binocular	0 - 180° inclinable binoculars $f'=170$ mm
Objective	$f'= 200$ mm
Objective	$f'= 250$ mm
Objective	$f'= 300$ mm
Objective	$f'= 400$ mm
Beamsplitter	dismountable
Adapter for CCD Camera	With iris diaphragm, $f'=65$ mm
CCD Camera	LC-8 C-Mount HDMI+WiFi CMOS Camera
Integrated Beam Splitter and CCD adapter	Integrated

**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

