



LB-1940

**Operational Microscope for Ophthalmic
Operation and Microsurgery**



LB-1940 Operational Microscope with 2 Binocular for 2 Person (Ophthalmic Operation and Microsurgery) is a new-developed portable and popular instrument. It can be used widely in the field of ophthalmic operations and ophthalmic experiments for medical hospitals. It is an essential medical instrument of ophthalmic micro-technology with excellent quality and a reasonable price.

FEATURES

- Wide visual angle, clear imageries
- Coaxial cold light source; bright and clear in depth
- With assistant mirror provided for two persons to operate together
- Slight adjusting of positions by foot; light and handy
- Convenient for operation and carrying about

SPECIFICATION

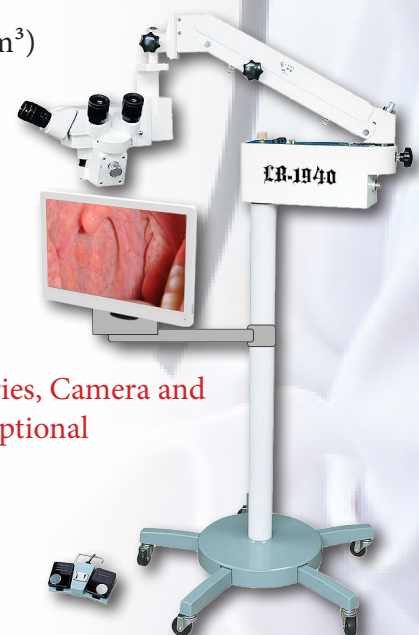
Mechanical performance	Stand up-down range
Spring arm adjustment range 250mm;	motorized up-down range:50mm
Motorized up-down speed	2.5mm/s
Direction Adjusting Range Level	±180° Left And Right: ±90°
Longest Turning Radius of Cross-Arm	800mm
Maximum illumination of light source	Not Less Than 15000LX
Bromine and Tungsten Lamp	8V 50W
Voltage Of Power	220±10% 50Hz
Double binocular with 90 ° position	(Magnification of main microscope: 10x, magnification of vice microscope:4x)
Main Microscope	Eyepiece:12.5x/22b, the adjustable range of PD: 54mm-75mm)
Balance Frame Spring arm	adjustable range 250mm
8v/50W imported Halogen lamp	maximum illuminance: 30000 LX
Up-down foot control	Motorized fine-tune up-down speed: 2.5mm/s
Power cable	220V ±10% 50Hz
Optical fiber	
Electric Focusing cable	

Model	G.W.(kg)	N.W.(kg)	Package size(mm)	Volume(m ³)
LB-1940	91	60	1470*730*760	0.81

OPTIONAL ACCESSORIES (Must be ordered separately)

Objective	f ² = 175mm
Objective	f ² = 200mm
Objective	f ² = 250mm
Objective	f ² = 300mm
Objective	f ² = 400mm
Integrated B/S & A/D	Integrated
Adapter for CCD Camera	
Observer's monocular	
Monitor	HDMI monitor, LCD panel, 1080P resolution and LED backlight
CCD Camera	LC-8

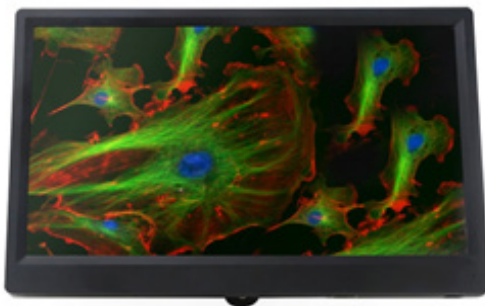
* Accessories, Camera and LCD are optional



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