



SOM-3000

Operating Microscope



Pulse Healthcare Technology
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OPHTHALMOLOGY / ENT



SOM-3000



Operating Microscope



- It provides a clear and fine observation by using Xenon light source.
- -2° to $+6^{\circ}$ coaxial illumination greatly improves the intension and range of red light reflex.
- UV-proof and heat absorption reduces the harm to intraocular tissues and make the patient feel more comfortable.
- Germany imported Schott optics ensure the surgeons a bright, balanced and fine observation.
- Achromatic technology used in the optical design, ensures coaxial light focus and makes a clearer field of view.
- Lock device under the microscope arm prevents accident from happening.
- Fine focusing knob is under the bottom of assistant binocular. The observation of the assistant's microscope can be finely focused independently from the main microscope, to avoid the different observations from the surgeon.

Technical Features

Eyeiece Magnification	12.5x/18B
Objective Lens	f=200
Working Distance	170mm
Magnification for Main Microscope	4.6x~27x, motorized and manual control, Continuous Magnification
Magnification for Assistant Microscope	6x, 10x, 16x
Diameter of Field	Ø46mm~Ø8.5mm
Diopter Adjustment	±7D
Pupil Distance	50mm~75mm (main microscope is 45mm ~80mm)
Maximal Resolution	126LP/mm
Focusing Range for Assistant Microscope	≥30mm
Illumination Source	120V/100W Medical Xenon Lamp and 12V/100W Halogen Lamp. Dual-source hand- switched
Illumination Type	6°+2°Coaxial illumination, 26°oblique illumination
Filter	UV-IR Filter, Yellow Spot Protection Filter, Redfree, GG435, GG475
Coaxial Illumination	≤180000lx(xenon); ≥60000lx(Halogen), 1-99 level; Foot/Panel operated
Oblique Illumination	≤180000lx(xenon); ≥60000lx(Halogen), 1-99 level; Foot/Panel operated
Reaching Radius of Arm	1230mm
Adjustable Vertical Range	925mm~1465mm
Fine Focusing Speed and Range	≤2mm/s, ≥45mm
Speed for X/Y and Range	≤2mm/s, 50mm×50mm
Input Voltage	AC220V±22V/50Hz±1Hz , AC110V±11V/60Hz±1Hz
Power	280VA
Fuse	AC250V T4.0A, AC125V T8.0A
Electrical Safety Standard	Executive standard: GB9706.1-2007
Packing Volume	0.856m ³ , 5cartons
Total Weight	230kg



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