

Operating Microscopes - OM-9



**A New Compact High-performance Operating
Microscope**



OM-9 is a new Compact High-performance Operating Microscope delivering high efficiency and versatile functionality, complete with new state of the art LED light source.

OM-9 is the perfect choice giving complete product satisfaction to the operator, and offering the highest level of patient safety.

Design

Renewed Design

- Most cables are concealed minimizing dust attachments and reducing interference between operator and instrument.
- Cables for connecting an imaging system can also be concealed, achieving a sleek stylish hygienic design.
- New product color scheme adds to the overall high quality feeling.



LED

Use of High-luminance LED light source

- New red reflex illumination combined with a high luminance LED gives OM-9 a brighter reflected light from the fundus.
- Bright and sharp LED having excellent color reproducibility is used for OM-9.

Reduction of the Characteristic Blue Light of LED

- The projected light is soft and easy on patient's eyes by reducing the peak of the characteristic blue wavelength of LED.



Optical Design

New Optical System

- New OM-9 optics are suitable for both cataract and vitreoretinal surgery.
- By adopting a standard objective lens $F=200$ mm, the OM-9 is fully suited for vitreoretinal surgery. (compatible with a BIOM viewing system)
- 10x eyepieces bring a wider, brighter & sharper view with a larger depth of focus.



Usability

Tiltable Binocular Tubes

- Tiltable binocular tubes available, which can incline more than 90° depending on the posture and physique of the operating surgeon.
- Movable range: 0° (straight) to 90° (inclined)

Microscope Tilting Mechanism

- By adopting the knob interlock system, the microscope tilts back and forth easily, necessary in the application of glaucoma surgery.
Movable range: around $\pm 30^\circ$



Various options

- Various options are available.
For details, contact our distributor or our Sales Department.

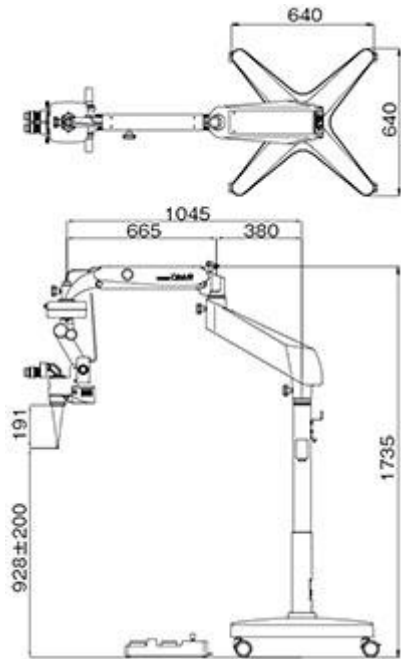
Fundus Observation Devices Adaptations

- Oculus BIOM adaptation and EIBOS 2 adaptation of HaagStreit Surgical are available for OM-9.
- For details, contact our distributor or our Sales Department.

Major Specifications

Microscope	Magnification changer	Motorized zoom type (zoom ratio 1:5)
	Objective	F=200mm (apochromatic corrected optics)
	Eyepieces	10x (high-eyepoint & wide field)
	Binoculars	Tiltable Binocular Tubes F=170mm
	Total magnifications	4.1x to 20.4x
	Real fields of view	φ49mm to φ9.8mm
	Focussing stroke	30mm
	X-Y movement stroke	±25mm in each direction (with centering function)
Illumination	System	Direct illumination
	Light source	LED
	Field of illumination	φ55mm
	Illumination control	9 steps
	Filters	Heat-absorbing, Blue correction filter, Yellow filter, Retinal protection
Arm, base	Mount	Floor stand
	Maximum arm extension	1045mm
	Arm vertical stroke	400mm
	Base size	640mm × 640mm
	Weight	84kg
Other	Power consumption	70VA
	Power supply	AC120V, AC230V ; 50/60Hz

Dimensions



System Chart

