

OM-9



High-grade operating microscope
supports a wide range of surgical needs

The red reflex illumination mechanism is combined with a high-luminance LED and apochromatic lens.

A high-grade operating microscope that allows to select required functions.



- Supports a wide range of operations, from cataract surgery and retinal vitrectomy to out-patient procedures
- Apochromatic lens and red reflex illumination deliver a clear field of view
- Flexible customisation with a rich variety of options



learn more



Optimised optical design meets a wide range of demands, from ophthalmic surgery to out-patient procedures

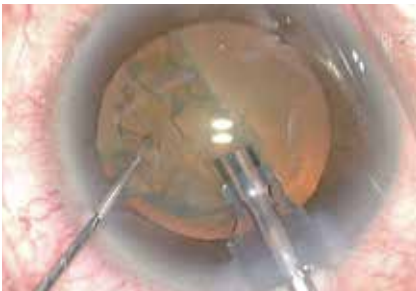
The optimised optical design and high-quality optical system maximise visibility during surgery and allow tiny tissues and structures to be identified clearly.

Combination of a red reflex illumination mechanism and high-luminance LED

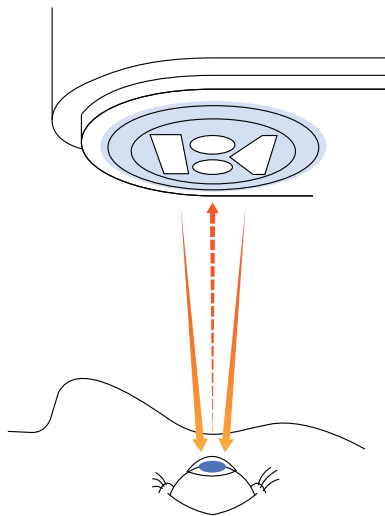
The illumination system adopts high-luminance LED light to focus on contrast and colour reproduction. The red reflex illumination mechanism provides ample reflected light from the fundus, resulting in high-quality red reflex and stereoscopic observation images, which are essential for cataract surgery.



CCC
(Continuous Curvilinear Capsulorhexis)



PEA
(Phacoemulsification and aspiration)



The illumination from two mirrors entering the pupil (simultaneously) provides ample red reflex illumination from the fundus and uniformly illuminates the lens.

**The image is for illustrative purposes only.*

Enhances usability for the surgeon, increase surgical efficiency

Selection of three configurations according to need

The OM-9 is available in three different specifications based on the combination of coupling, microscope, and binocular tube, allowing the surgeon to choose the configuration that best suits the needs.

XZ configuration
(Motorised zoom microscope specification)



XE configuration
(Motorised 5-step magnification specification)



SM configuration
(Manual 5-step magnification specification)



Coupling	X-Y coupling	X-Y coupling	Straight coupling
Microscope	Motorised zoom magnification (zoom ratio 1:5)	5-step motorised magnification	5-step manual magnification
Binocular tube	Tilttable	Fixed at 45° angle	Fixed at 45° angle

** Configurations other than the three basic types listed above may be possible. For further details, please contact our sales department.*

Comfortable operations and a natural posture for peace of mind even during long surgical operations

Magnification adjustment and layout both optimised for the surgeon

The XZ and XE specifications have a foot controller that allows smooth adjustment of magnification. Furthermore, the pedal position can be freely customised to create the optimal layout for operation by the surgeon.



Ergonomic design

The XZ specification is equipped with binocular tubes which angle can be adjusted up to 90 degrees. This allows the surgeon to keep a comfortable posture and maintain concentration, even during long surgical operations.

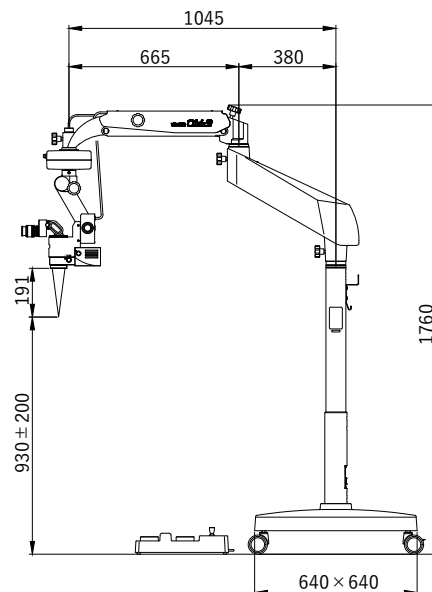


Specifications

Model name		OM-9 Operating Microscope		
		XZ	XE	SM
Microscope	Magnification changer	Motorised zoom magnification (zoom ratio 1:5)	5-step motorised magnification	5-step manual magnification
	Objective lens	F = 200 mm (apochromatic correction optical system)		
	Eyepieces	10x (high-eyepoint & wide field)	16x (high-eyepoint & wide field)	
	Binocular tube	Tilttable binocular tubes F = 170 mm	45° inclined binocular tubes F = 125 mm	
	Total magnifications	4.1x-20.4x	4x / 6x / 10x / 16x / 25x	
	X-Y movement (motorised)	± 25 mm in each direction with speed 3 mm/ sec and centering control		-
Illumination	Light source	LED		
	Filters	Heat-absorbing / Blue correction/ Blue cut / Retina shield		
Arm & Base	Type	Floor stand with 4 casters and 2 stoppers		
	Maximum load tolerance on arm	Up to 3.2 kg of accessories		
Power Unit	Power supply	C 100-230 V, 50-60 Hz		
	Power input	70 VA		
Weight (excl. options)		90.6 kg	90.2 kg	89.7 kg

Dimensions

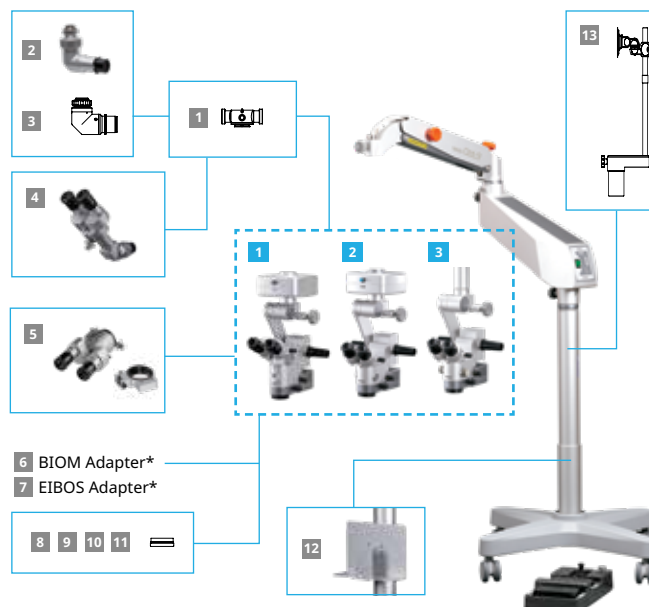
Dimensions (mm)



Accessories

Flexible customization with a rich variety of options

1	O11-03	Beam Splitter	A camera can be attached (beam ratio: surgeon 80%, camera 20%)
2	O08-11	TV Camera Adapter	A C-mount compatible TV camera can be attached (F = 50 mm, with iris)
3	O08-22	TV Camera Adapter	A C-mount compatible TV camera can be attached (F = 50 mm)
4	O06-19SE	Coaxial Binocular Microscope	Provides the same observation image viewed by the surgeon
5	O06-20SE	Assistant Scope	Mounts at a 26° angle to the main microscope, providing stereoscopic vision and independent focus adjustment, enabling the assistant to achieve an optimal view
6	O06-25	BIOM Adapter	OCULUS BIOM*1 adapter for retina and vitreous surgery can be attached
7		EIBOS Adapter	Haag-Streit EIBOS*2 adapter for retina and vitreous surgery can be attached
8	O14-22	Objectives Lens	F = 175 mm
9	O14-24	Objectives Lens	F = 250 mm
10	O14-25	Objectives Lens	F = 300 mm
11	O14-26	Objectives Lens	F = 350 mm
12	O06-23	Camera Control Rack	Camera control unit can be attached
13	O06-22	Monitor Arm	An LCD monitor can be attached



Configuration selection

1	X-Y coupling, Motorised zoom magnification, Tilttable binocular tube
2	X-Y coupling, 5-step motorised magnification, 45° angle binocular tube
3	Straight coupling, 5-step manual magnification, 45° angle binocular tube

The compatible fundus observation devices are the OCULUS BIOM and the Haag-Streit EIBOS.

*1 BIOM and OCULUS are registered trademarks of OCULUS Optikgeräte GmbH.

*2 EIBOS and Haag-Streit are registered trademarks of Haag-Streit AG.

The above devices can be used in conjunction with the O06-19SE Coaxial Binocular Microscope.

*Please contact our sales department for details about the BIOM and EIBOS adapters.

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Colours of product(s) in brochure may slightly differ from actual product(s) due to lighting situation when photographed or print conditions.

To ensure safe and correct handling please read the user manual before using.

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