



**TAKAGI**



# Operating Microscope OM-9

S e r v i n g .   y o u r   v i s i o n





# 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.



\* The above image on the monitor is created by inlay. An actual image may be different from it.

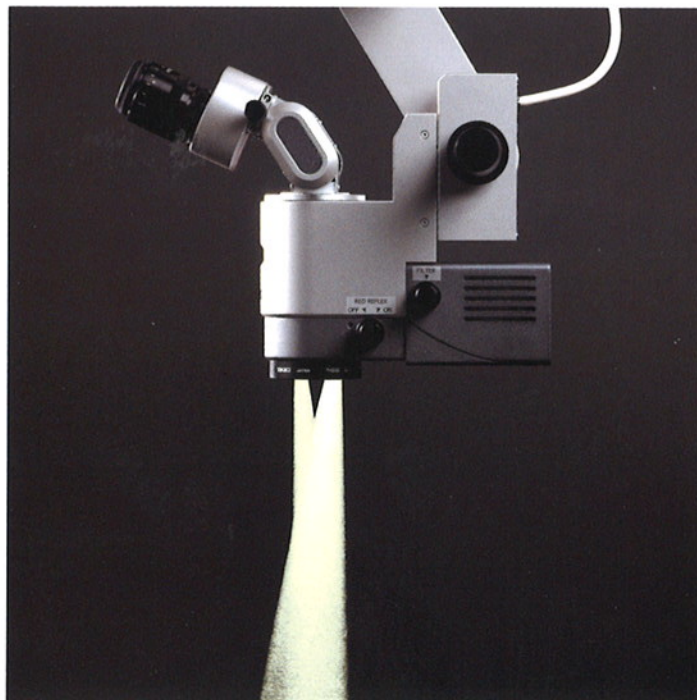
# LED

## 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.



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# Optical Design

## New Optical System

- New OM-9 optics are suitable for both cataract and vitreoretinal surgery.
- By adopting a standard objective lens  $F=200\text{ mm}$ , 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.



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# Usability

## Tiltable Binocular Tubes

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



## Various options

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

## 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  $\pm 30^\circ$



## Fundus Observation Devices Adaptations

- Oculus BIOM adaptation is available for OM-9.
- For details, contact our distributor or our Sales Department.





# Microscope Specifications

## Motorized Zoom System

- Motorized zoom microscope, tiltable binocular tubes, X-Y coupling



## Motorized 5-step Magnification Changing System

- Motorized 5-step magnification microscope, 45 ° inclined binocular tubes, X-Y coupling



## Manual 5-step Magnification Changing System

- Manual 5-step magnification microscope, 45 ° inclined binocular tubes, straight coupling



## Examples of Combinations

Configuration ID	Voltage	Coupling	Microscope	Binoculars
OM9XZ100	AC 100V	X-Y Coupling	Motorized Zoom System	Tiltable Binoculars
OM9XZ120	AC 120V			
OM9XZ230	AC 230V			
OM9XE100	AC 100V	X-Y Coupling	Motorized 5-step Magnification Changing System	45° Inclined Binoculars
OM9XE120	AC 120V			
OM9XE230	AC 230V			
OM9SM100	AC 100V	Straight Coupling	Manual 5-step Magnification Changing System	45° Inclined Binoculars
OM9SM120	AC 120V			
OM9SM230	AC 230V			

Operating Microscope

# 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.

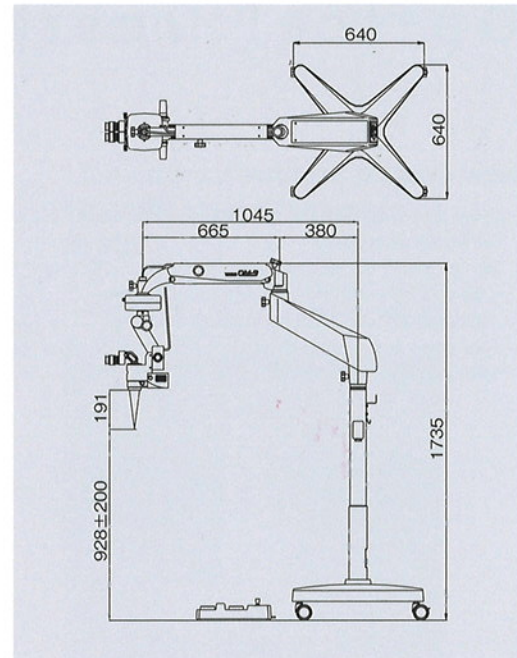




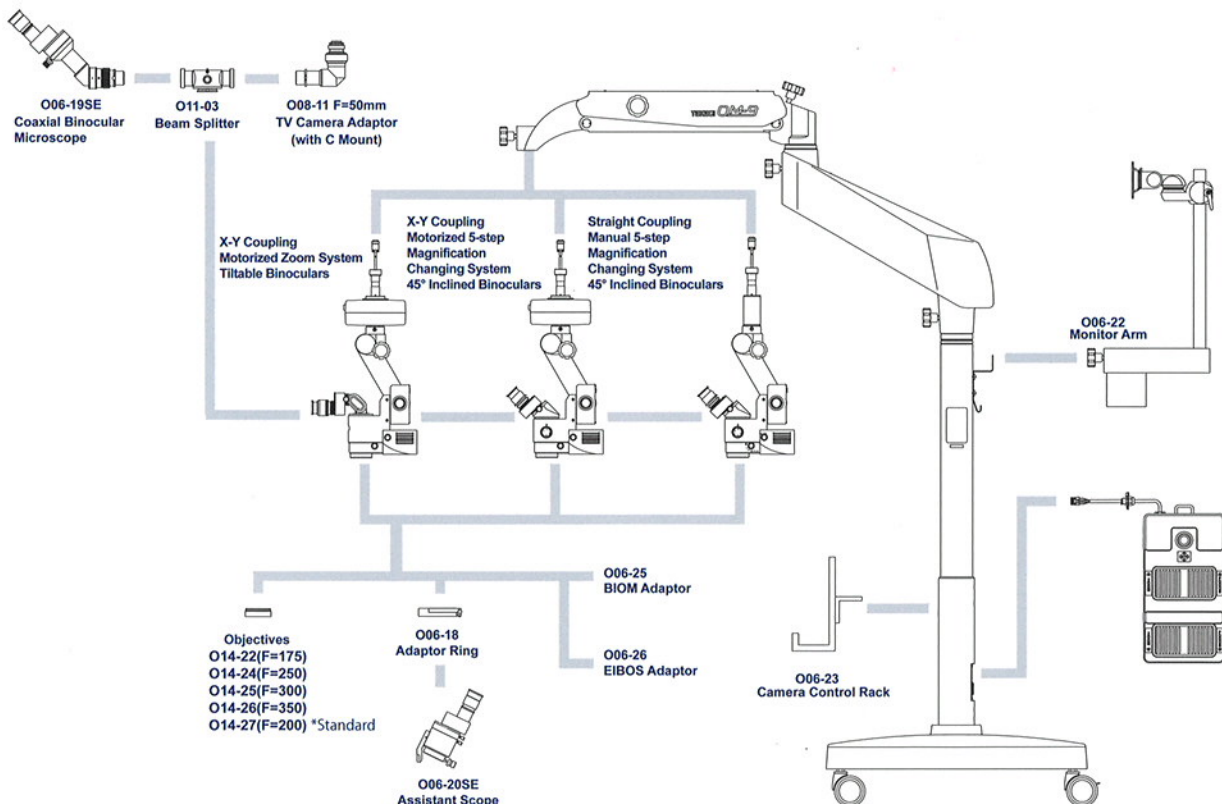
## Major Specifications

Microscope	Magnification changer	Motorized zoom type (zoom ratio 1:5)	Motorized 5-step magnification changing type	Manual 5-step magnification changing type
	Objective	F=200mm (apochromatic corrected optics)		
	Eyepieces	10x (high-eyepoint & wide field)	16x (high-eyepoint & wide field)	
	Binoculars	Tilttable binocular tubes F=170mm	45° inclined binocular tubes F=125mm	
	Total magnifications	4.1x to 20.4x	4x,6x,10x,16x,25x	
	Real fields of view	φ49mm to φ9.8mm	φ56,φ37.3,φ22.4,φ14,φ9mm	
	Focussing stroke	30mm		
X-Y movement stroke	±25mm in each direction (with centering function)			
Illumination	System	Direct illumination		
	Light source	LED		
	Field of illumination	φ60mm		
	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		
Others	Weight	90kg		
	Power consumption	70VA		
	Power supply	AC120V, AC230V ; 50/60Hz		

## Dimensions



## Optional Components



● Design and specifications are subject to change as improvements are made to the product.

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