**Operating Microscope** 

# OM-9

## A New Compact High-performance Operating Microscope



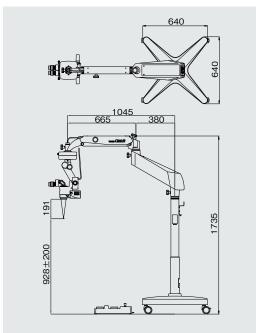
OM-9 is a new Compact High-performance Operating Microscope delivering high efficiency and versatile functionality, complete with new state of the art LED light source.

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

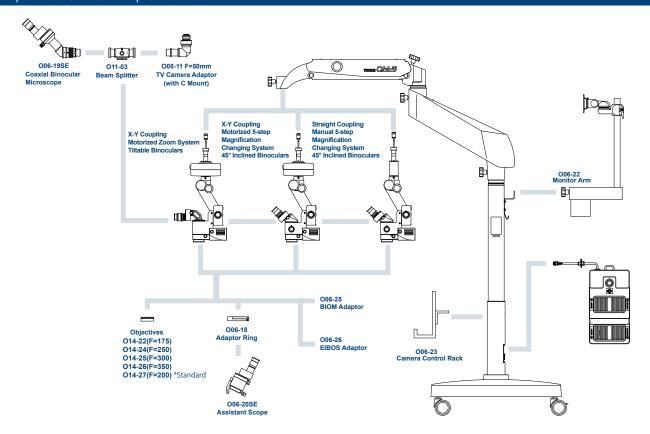
#### Major Specifications

		Magnification changer	Motorized zoom type (zoom ratio 1:5)	Motorized 5-step magnification changing type	Manual 5-step magnification changing type
		Objective	F=200mm (apochro	romatic corrected optics)	
		Eyepieces	10x (high- eyepoint & wide field)	16x (high-eyepoint & wide field)	
	Microscope	Binoculars	Tiltable 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 dire	ction (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		
		Mount	Floor stand		
	Arm,base	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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# Operating Microscope

DM-9

Serving your vision





## 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.



 $\mbox{\ensuremath{^{\ast}}}$  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.



## 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)



#### 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			