

# OMS-90

Operation Microscope

Precision optics and effortless operation



Optimal observation and versatile operation

## OMS-90

Operation Microscope



## FEATURES

### Stain-proof coated objective lens (F=200mm)

Newly developed stain-proof coating is applied to help retain a clear viewing area.

The focal length (F=200mm) provides the standardized comfortable working distance.

### Parallel binocular tube

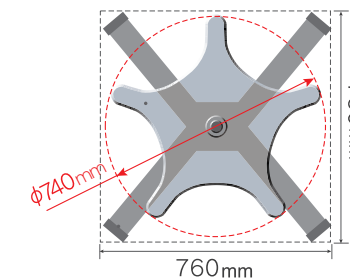
Parallel binocular tube provides a natural stereoscopic view.

### PD adjustment knob

Built-in PD adjustment feature offers easy alignment.

### Compact base

New sturdy and compact  $\phi$  740mm base is designed for optimal use of limited operating room floor space.



### Built-in yellow filter

Flip in/out yellow filter is built into the system to allow full protection against retinal phototoxicity.



## OPTIONAL ACCESSORIES

### X-Y translator

X-Y translator adaptor provides precise movement around the surgical field.

A one-touch re-centering button is provided.

### Assistant's microscope

Parallel binocular assistant's microscope provides easy positioning, a wide field of view, and 30 degrees of rotation.

### Oblique illuminator

Oblique illuminator offers a supplemental light source for indirect illumination. The slit will rotate 30 degrees and adjust from 0 to 20mm in width.

### Accessory adaptor

Accessory adaptor is required to attach the assistant's microscope and/or the oblique illuminator to the OMS-90.

### Beam splitter (50/50, 80/20)

A 50/50 and 80/20 beam splitter is available for the attachment of documentation devices.

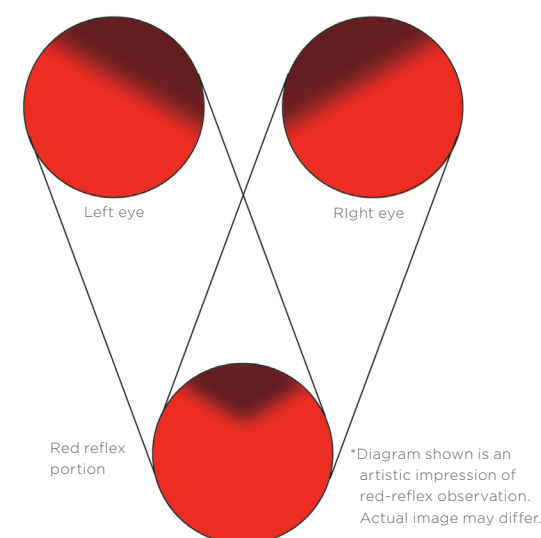
### ½" TV attachment

½" TV attachment incorporates a built-in beam splitter and lets the user connect a ½ inch C-mount camera to the OMS-90.

### Coaxial illumination

The newly designed illumination system of the OMS-90 ensures the finest optical performance. The optical system has been fitted with a new and innovative design that allows the surgeon to view a sharper image, with more clarity than ever before.

The illumination system of the OMS-90 produces a superior red-reflex image to assist in surgical procedures. The innovative system design merges two improved field of views to produce an enhanced red-reflex and excellent image quality. See image on the right.



<b>Main microscope</b>	
Binocular tube	Parallel 45° inclined binocular tube
Objective lens	f=200mm
Eyepiece	12.5X
Magnification change type	Drum type with 5 changes
Total magnification	3.4x, 5.3x, 8.5x, 13.6x, 21.2x
Field of view	φ66.2, φ 42.4, φ 26.5, φ 16.6, φ 10.6mm
X-Y translator (option)	Range: ±25mm
<b>Arm (counter-balanced)</b>	
Length	1st arm: 400mm 2nd arm: 560mm
Rotation angle	1st arm: 360° 2nd arm: 300°
<b>Column base</b>	
Base dimension	φ740mm
<b>Power unit</b>	
Primary voltage	AC100-120V / AC220-240V
Power frequency	50/60 Hz
Maximum power consumption	280VA
<b>Weight</b>	
Weight	96kg

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**IMPORTANT** In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.  
Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.



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