

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

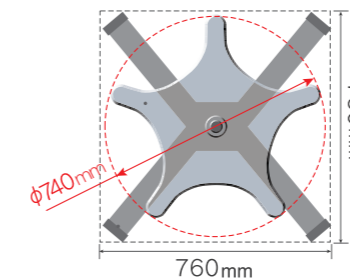
Parallel binocular tube provides a natural stereoscopic view.

PD adjustment knob

Built-in PD adjustment feature offers easy alignment.

Compact base

New sturdy and compact ϕ 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.

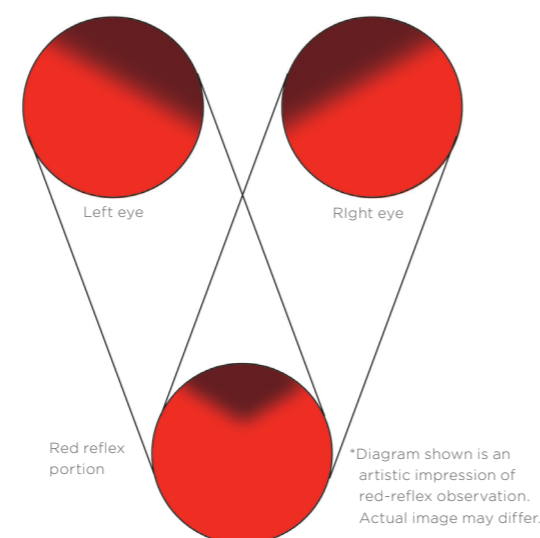
1/2" TV attachment

1/2" TV attachment incorporates a built-in beam splitter and lets the user connect a 1/2 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.



Specifications

Main microscope	
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
Arm (counter-balanced)	
Length	1st arm: 400mm 2nd arm: 560mm
Rotation angle	1st arm: 360° 2nd arm: 300°
Column base	
Base dimension	φ740mm
Power unit	
Primary voltage	AC100-120V / AC220-240V
Power frequency	50/60 Hz
Maximum power consumption	280VA
Weight	
Weight	96kg



IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Not available for sale in all countries. Please check with your local distributor for availability in your country.

CAUTION: Federal law restricts this device to sale by or on the order of a physician.

TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN.
Phone: +81-(0)3-3558-2522/2502
Fax: +81-(0)3-3965-6898
www.topconhealthcare.jp

TOPCON MEDICAL SYSTEMS, INC.

111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone: +1-201-599-5100
Fax: +1-201-599-5250
www.topconhealthcare.com