



surgical microscope

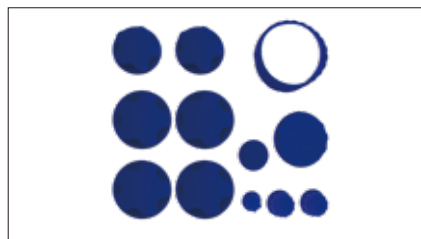
OM-6200

Surgical Microscope with High-Performance Optical System & LED Lighting, the device integrates a 4K high-definition video system to optimize doctor-patient communication. Through visualized sharing, it helps build patient trust while generating comprehensive diagnostic and treatment records.

Supporting real-time video streaming and high-definition recording, it facilitates team collaboration, case analysis, and clinical teaching demonstrations. Featuring clear field of view and excellent operability for ENT, especially in ear surgery and dental clinical use.



Accessory Series



■ Silicone Protective Sleeve × 2



※One piece included as standard

■ Objective lens cap



■ sterile cover

Optical Ion Assembly



■ 45° Beam Splitter



■ F180 Camera Connector

Supports Sony E-mount, Canon EF-mount and Nikon F-mount, compatible with APS-C format cameras.



■ F340 Camera Connector

Nikon F-mount, APS-C format cameras



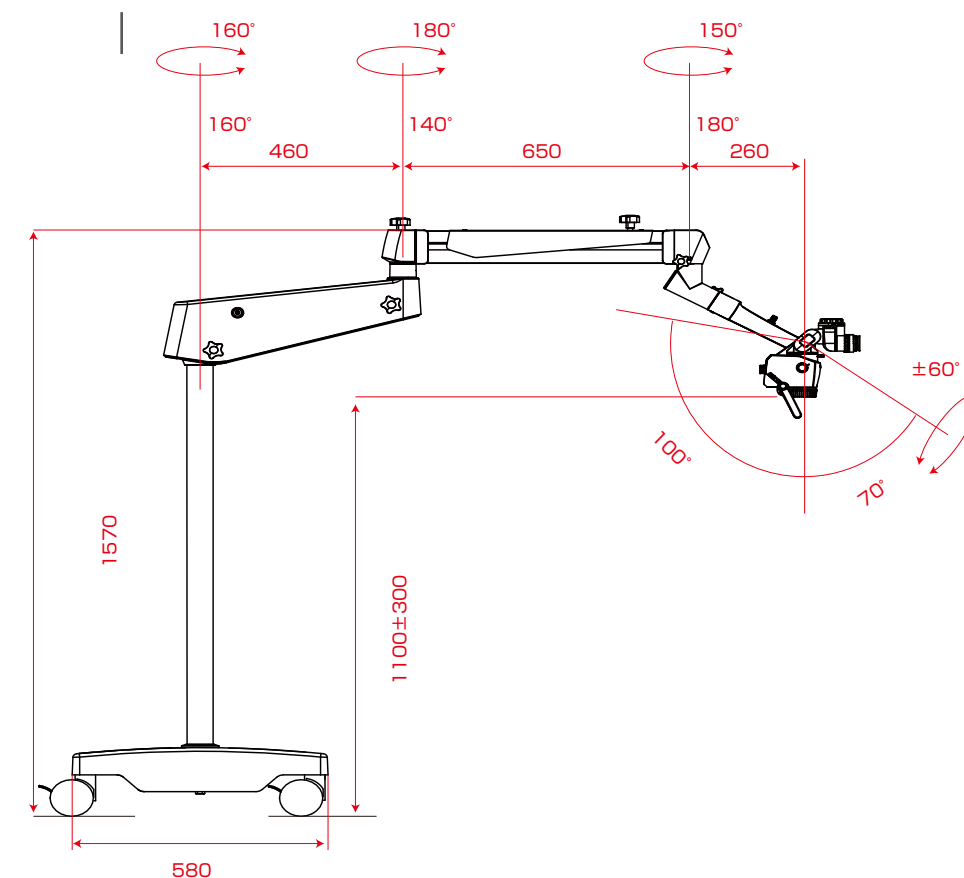
■ OPT Sterilized Microscope Cover
This is a transparent bag-shaped sterile cover for keeping microscopes clean. It dispenses with lens caps and fixing tapes, can be adjusted according to your device model, and fits microscopes of all brands.

- Quantity: 10 pieces
- Size: 800×900mm

objective lens	Zoom system	5 levels
		0.4x 0.6x 1x 1.6x 2.5x
	Total magnification	2.6x 3.9x 6.4x 10.2x 16.1x
	Field diameter	83.1mm 58.1mm 34.3mm 21.4mm 13.6mm
	Focus range/Working distance	250mm ~ 430mm
ocular lens	lens	Apochromatic lens
	Magnification	12.5x
	Tilt angle	0 ~ 180°
	Interpupillary distance adjustment range	50mm ~ 75mm
	Adjustment range	±7D
illumination	lens	Apochromatic lens
	Light source	LED illumination
	Illuminance	60,000Lux
	Peripheral field	72mm F250fixed-focus objective lens
	Color temperature	5500k
camera	projection	4K 60FPS
	Pixel	Approx. 8.29 million pixels
	Aspect ratio	16 : 9
	Video	4K 60 FPS Video: 4K 30fps / 1080P 30fps
monitor	Size / Resolution	27 inches / 4K

Surgical microscope

OM-6200 Product Specifications



【Set Contents】

- Main body × 1 Monitor × 1 Monitor bracket × 1
- Monitor fixing clamp × 1 Mouse × 1 Silicone protective sleeve × 2
- Objective lens protective cap × 2
- Handle protective cover × 2
- Main unit protective cover × 1

OM-6200

【Movable Optical Microscope】OM-6200 Medical Device Notification Number 23B2X00017000363

General Medical Device Instruments & Appliances (25) Medical Optical Instrument Portable Surgical Microscope (36354020)
Medical Equipment Requiring Specialist Maintenance and Management

■ Seller Name: OPTCOM(SHENZHEN)CO.,LTD



OPTCOM(SHENZHEN)CO.,LTD

TEL.0755-29195975 <http://www.optcom.co.jp>

Surgical microscope

OM-6200

The Optcom OM-6200 surgical microscope is equipped with independently developed medical-grade optical lenses. It delivers bright and clear views of observed targets, and features a stress-free arm system enabling flexible positioning and accurate locking, ensuring comfortable operation during prolonged delicate clinical procedures. Fitted with a standard 4K imaging system and 4K monitor, it effortlessly projects captured dynamic and static images onto the display, making it easier to explain patients' oral and dental conditions in an intuitive way.

Easy-to-operate System

One-touch Smooth Operating System — Human-computer Interaction Design Focused on Treatment



Free Adjustable Arm System — Provides stable support for delicate surgeries

High-quality German Bausch gas springs and high-durability bearing system with optimal spring status

— Deliver stress-free operation experience with Zero-drift precise positioning

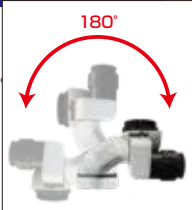
Omnidirectional Rotation Positioning System — Dead-angle-free operation for multi-angle observation

Equipped with standard 180° binocular adjustable tube adjustable by operators. The microscope lens covers a maximum viewing range of 60° left and right, 60° forward and 100° backward. It adapts to various diagnosis and treatment postures, effectively reducing operators' fatigue during long-time operations.

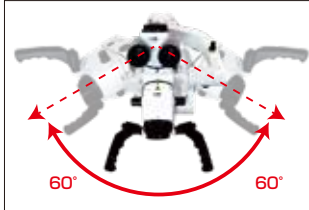


Interpupillary Distance Adjustment

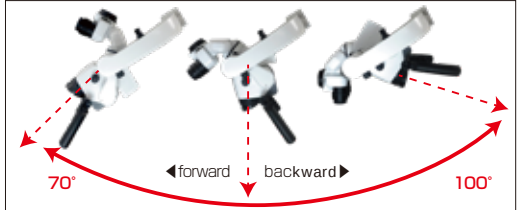
Diopter Adjustment



Adjustment Range of Binocular Variable Eyepieces/Tube



Left-right Adjustment Range of Microscope Head



Head Front-Back Adjustment Range

Integrated quick operation system — core control center dedicated to diagnosis and treatment

All adjustment functions are integrated, allowing operators to focus fully on treatment. Magnification switching, focusing, lighting brightness adjustment, video and photo shooting can all be easily operated within reach.



Magnification Zoom



Focus Adjustment



Illumination Intensity Adjustment



Illuminance adjustment



Photograph Button



Foot Control Tabletop (Standard Equipment)

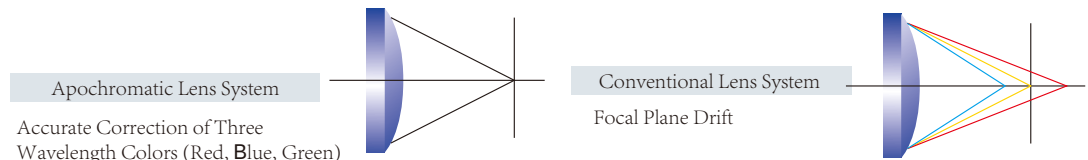
Video & Photo Recording Available

Optical System

Adopt depth-of-field adjustment mechanism to achieve a broad, clear and bright field of view, presenting high-definition surgical images without blurring and halo

Adopt self-developed medical-grade lenses to deliver high-definition surgical vision with excellent optical performance

All lenses adopt high-precision apochromatic lenses, which accurately correct chromatic aberration and spherical aberration, effectively eliminate color leakage, improve image quality, and present distortion-free clear surgical field of view.



Achieve rapid intraoperative focusing

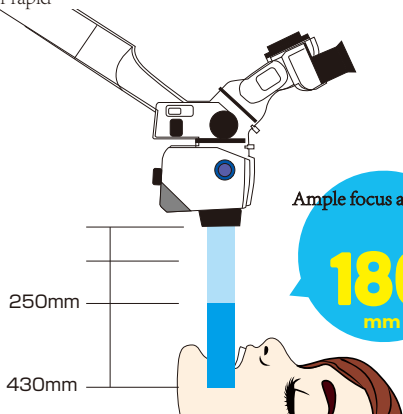
The eyepiece provides 12.5x magnification. The objective lens adopts a drum-type 5-step Zoom system, paired with a focusing lens featuring a 180mm focusing range. It enables focal length adjustment from 250mm to 430mm, meeting the demand for rapid intraoperative focusing.



Eyepiece



Objective Lens



Ample focus adjustment range

180mm

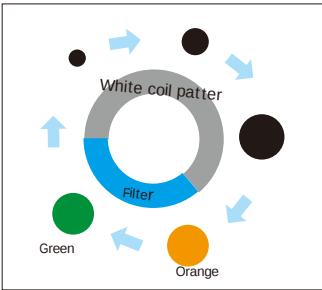
Zoom System	5 levels
	0.4x 0.6x 1x 1.6x 2.5x
Total Magnification	2.6x ~ 16.1x
Field of View Diameter (mm)	13.6 ~ 83.1 ϕ mm
Magnification	12.5x

Objective Magnification	0.4x	0.6x	1x	1.6x	2.5x
Total Magnification	2.6x	3.9x	6.4x	10.2x	16.1x
Field Diameter	83.1mm	58.1mm	34.3mm	21.4mm	13.6mm

Optical Illumination System

Adopts medical-grade long-life LED light source, ensuring stable light output for up to 60,000 hours

Comes standard with color filters and equipped with a precise illumination system to meet diverse surgical needs



The illumination system supports stepless dimming with maximum illuminance up to 50,000lx. The white light features a three-range selector to effectively relieve visual fatigue of assistants. It is equipped with a standard dual-color filter system: Orange filter: Inhibits light-induced resin curing reaction Green filter: Enhances recognition of blood flow and tissues.



Image Auxiliary System

Comes standard with 4K camera and 4K monitor, enabling high-precision and high-definition image output

Adopting image diagnosis system to enhance doctor-patient trust, facilitating disease course observation and patient information sharing

It is standardly fitted with a built-in 4K camera and a 27-inch 4K monitor. It can output high-definition images at a resolution of 3840×2160 (approximately 8.29 million pixels) without external adapters, supporting: Precise shooting of surgical field, real-time image quality inspection (Note: 1920×1080 resolution, about 2.07 million pixels in Full HD mode) and digital storage of medical images.

Intelligent Diagnosis Assistance

Supported by self-developed software system, it intuitively displays the three-dimensional status of patients' oral cavity and teeth.

- 4K visual explanation improves patients' comprehension and recognition of treatment solutions.
- It provides imaging data basis for subsequent treatment planning.

【Monitor Operable Function List】

· Video recording · Take photos · Exposure adjustment · White balance adjustment · Image flip · Zoom in/out · Image comparison (2~4 pictures)



OPTCOM(SHENZHEN)CO.,LTD

TEL.0755-29195975 <http://www.optcom.co.jp>



Supports Wi-Fi wireless transmission
Files can be transferred to smartphones