

# OPHTHALMIC MICROSCOPE

PRECISION SURGICAL OPTICAL SYSTEM • COMMERCIAL & TECHNICAL DOCUMENTATION

**Precision and Flexibility in One Microscope:** Experience superior accuracy during surgeries with our portable Ophthalmic Microscope. Its adaptable mobile floor stand allows seamless movement across hospital departments, while its manual fine focusing gives users direct, tactile control for delicate procedures. This new, warranty-backed device combines premium optical efficiency with practical stability, ensuring clinical reliability where it matters most.

## PRODUCT OVERVIEW & CLINICAL APPLICATION

Tailored explicitly for modern hospital environments and operating theaters, this medical-grade white Ophthalmic Microscope suits a comprehensive variety of intricate surgical procedures. Its premium mobile floor footprint allows for versatile positioning without the structural constraints or installation expenses of wall-mounted options. Healthcare professionals benefit from exceptionally high-clarity visuals, straightforward step adjustments, and dependable performance engineered by a trusted Indian manufacturer, supplier, and global exporter.

## TECHNICAL SPECIFICATIONS

<b>Optical System Layout</b>	45° Inclined Binocular Tubes
<b>Magnification Steps</b>	3-Step Manual Magnifications (5x, 10x, and 20x)
<b>Eyepiece Elements</b>	12.5x Wide Field Eyepieces
<b>Objective Lens Focal Length</b>	F = 250 mm
<b>Visual Field of View</b>	Ø 50 mm
<b>Interpupillary Distance (IPD)</b>	Adjustable range from 55 mm to 75 mm
<b>Focusing Control</b>	Manual Fine Focusing Mechanism
<b>Illumination Source Type</b>	Fiber Optic Halogen Light Source (15V / 150W Twin Halogen Lamps)
<b>Coaxial Delivery Framework</b>	100% coaxial through-the-lenses focused light guide (1.5 Meter fiber optics)
<b>Maximum Luminous Flux</b>	Greater than 80,000 Lux (measured at standard optimal conditions)
<b>Field of Illumination</b>	Ø 70 mm
<b>Mechanical Suspension Arm</b>	Counter-balanced pantographic arm with full 320° rotational sweep
<b>Vertical Arm Articulation</b>	250 mm to 300 mm range
<b>Floor Stand Base Design</b>	Mobile structural floor stand resting on high-grade caster wheels
<b>Physical Dimensions &amp; Mass</b>	Base: ~600 x 500 mm   Height: ~1500 mm   Net Weight: ~58 Kg (excluding packing)
<b>Electrical Input Options</b>	Standard 220V, 50/60Hz (110V power configuration alternative available on request)

## GLOBAL TRADE & LOGISTICS INFORMATION

<b>Minimum Order Qty</b>	1 Piece
<b>Supply Capacity</b>	1,000 Pieces / Month
<b>Standard Lead Time</b>	7 Days from order verification

## MANUFACTURING & SUPPORT STANDARDS

- **Defect Protection:** Each surgical unit comes integrated with a manufacturer's warranty against engineering faults.
- **Post-Sales Care:** Reliable corporate technical assistance is open for diagnostic troubleshooting and preventive maintenance setups.
- **International Compliance:** Produced following strict global medical device compliance standards for premium accuracy.

## FREQUENTLY ASKED QUESTIONS (FAQ)

### **Q: How does the portable design of the Ophthalmic Microscope benefit hospital workflows?**

A: The mobile floor design on stable caster wheels allows the microscope to be easily transported across various operating rooms or surgical departments. This flexibility minimizes equipment downtime, eliminates permanent space constraints, and supports highly efficient workflows in busy clinical environments.

### **Q: What is the process for utilizing the manual operation mode on this microscope?**

A: The manual operation framework enables surgeons to seamlessly shift magnification levels (5x, 10x, 20x) and fine-focus paths entirely by hand. This direct mechanical interface delivers real-time positioning feedback critical during delicate ophthalmic micro-procedures.

### **Q: When should hospital procurement choose this portable model over wall-mounted units?**

A: Portable models are highly recommended when facility space cannot support rigid wall installations, when the device must be shared fluidly across multiple surgical suites, or when future department configurations require layout flexibility.

### **Q: Where is this Ophthalmic Microscope manufactured and distributed from?**

A: This specialized surgical instrument is manufactured, rigorously tested, supplied, and exported from India by a certified distributor and trade exporter, guaranteeing full compliance with modern international regulatory standards.

### **Q: How exactly does this microscope help improve overall surgical accuracy?**

A: By combining co-axial 80,000+ Lux fiber optic illumination with widefield 12.5x eyepieces and high-fidelity target lenses, it provides high-contrast, crystal-clear microscopic details. This allows clinicians to clearly locate subtle abnormalities, supporting safer procedures and superior patient outcomes.