

Operating Microscope

HRM001



Hans Heiss



OFFICIAL DISTRIBUTOR
MERCOFRAMES OPTICAL CORP

5555 NW 74 Ave. Miami, FL 33166. United States

Phone: 305-882-0120

sales@mercoframes.net

www.mercoframes.com

HRM-001 operating microscope is our latest developed product for ophthalmic surgery. Equipped with advanced motorized continuous zoom, the instrument can meet the needs of ZOOM magnification during the operation.

The assistant scopes have three ranges of magnification, and can be turned round the main scopes within 180° and be fixed at any angle. High resolution video camera mountable, and connect to monitor.



**BIOM KIT mountable for HRM-001 microscope,
which can be used for retinal surgery.**



BIOM Lens: 130°, 120°, 90° available

BIOM size: 138*50*170mm

Lens Position: Rotational assembly

Mountable for Zeiss, Leica, Topcon, Takagi operating microscopes.

Characteristics

- HRM001 use coaxial cold light source
- Light system is equipped with retina protection device, red reflex intensifier, filter of infrared.
- The assistant scope possess the step magnification of 6.5x, 10.8x, 17.3x. Also, it can revolve round the main scopes within 180°and fixed at any angle.
- X/Y system automatically controllable , and the moving range of X/Y: 30mm.
- Equipped with motorized bending or lifting adjustment construction, it is convenient for doctor to operate the instrument.
- The instrument adopts spring counter balance at every fixed point. The performance is easy and flexible while stable and reliable.



TECHNICAL SPECIFICATIONS

MICROSCOPE	
Eyepiece	12.5X
Objective Lens	F=200mm (F175mm, F250mm, F300mm, F350mm, F400mm Optional)
Binocular Angle	30° to 90° adjustable
Working Distance	200mm
Main Scope Magnification	4.5X ~ 27X ZOOM
Assistant Scope Magnification	6.5X, 10.8X, 17.3X
Diameter of view-field for main scope	diameter 8mm ~ diameter 45mm
Diameter of view-field for assistant scope	diameter 12mm, diameter 19mm, diameter 31mm
Pupil Distance adjustable	55mm ~ 75mm (continuously adjustable)
Diopter Adjustable	± 6D
Fine-focus Speed & Range	≤ 2mm/s, ≥25mm
X/Y Moving Speed & Range	≤2mm/s, ≥30mm X 30mm
ILLUMINATION SYSTEM	
Illumination Type	6°+0° coaxial illumination of cold light source
Illumination Source	15V/150W, cold reflection halogen lamp
Illumination Adjustment	Digital controllable continuously
Coaxial Illumination	≥ 800000 LX
STANDING FRAME	
Extension Range of ARM	1200mm
Vertical Adjusting Range	450mm