

Operating Microscope Hans Heiss **HSM-680**



Hans Heiss



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MERCOFRAMES OPTICAL CORP.

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Häns Heiss

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HSM-680 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.

Camera and presenting facilities are useful for teaching and storing information, and video system is option to customers.

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Characteristics

HSM-680 use coaxial cold light source

Light system is equipped with retina protection device, red reflex intensifier, filter of infrared.

It adopts 28 inclined illumination device which can be used for slit illumination, slit can revolve round the optical axis within 360°.

The assistant scope possess the step magnification of 6x, 10x, 16x. 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: 40mm.

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	Main scope 10X / 22B; Assistant Scope 12.5X/18B
Binocular Angle	45 degree
Working Distance	200mm
Main Scope Magnification	4X ~ 24X ZOOM
Assistant Scope	6X, 10X, 16X
Diameter of view-field	11mm ~ 68mm
Pupil Distance adjustable	55mm ~ 75mm (continuously adjustable)
Diopter Adjustable	±6D
Fine-focus Speed & Range	≤2mm/s, ≥40mm
X/Y Moving Speed & Range	≤2mm/s, ≥40mmX 40mm
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
XENON Illumination	≥1800000 LX
STANDING FRAME	
Extension Range of ARM	1200mm
Vertical Adjusting Range	450mm

OPTIONAL ACCESSORIES Beam Splitter, Teaching Tube, Digital-camera adapter, 1/3" CCD Adapter, Imaging system with software.