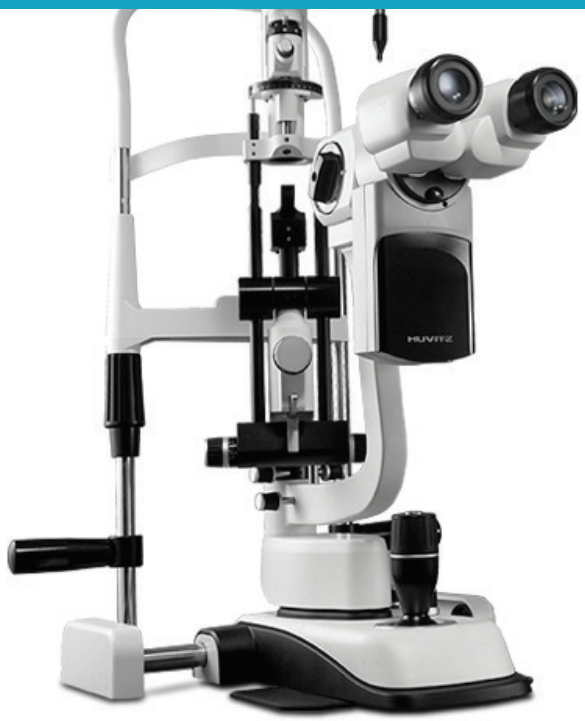
HS-7000 Elite Slit Lamp

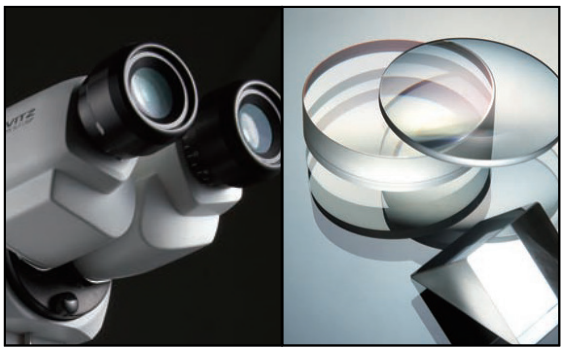


Ultra high-end optic system utilised by the most experienced professionals within the industry

Microscope

With the global standard Galilean converging binocular type optic system, the Huvitz high end slit lamp series offers a wider angle, live image and increased accuracy.

- 12.5x eye pieces / 6x :38.5mm,10x:22.2mm, 16x:15.2mm, 25x:10.5mm, 40x:6.7mm
- 10x eye pieces(Optional) / 5x :38.5mm, 8x:24mm 12x:15mm, 20x :9mm, 32x:6mm

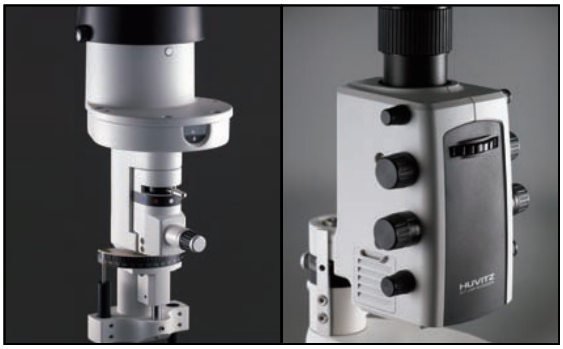


Design

The HS-7000 is offered in the Tower Illumination type slit lamp model. It is designed according to the industry standard and used for their proven accuracy and reliability.

Illumination

The 12-volt, 30-watt high luminance halogen lamp provides incredible clarity for both image and video.



Magnification Control System

The five-position drum-style magnification changer provides a wide range of magnification from 6x to 40x easily accessible by rotating the drum.

The design of this system and the uniqely designed Huvitz optic system allows you to offer a more accurate diagnosis and observation to patients without any image distortion in any magnification level.

OPTICARE

HS-7000 Elite Slit Lamp

Yellow Filter

A yellow filter is conveniently located near the ocular for effortless insertion of the fluorescein pattern. With a control lever, filters can be easily inserted. (*Filter Options: cobalt blue, red free, heat absorption, grey, yellow)*

Integrated Control

The integrated omni-style joystick is simple to control. A trigger button is conveniently mounted on the joystick for easy image and video capture. Images and videos can be stored simultaneously if the slit lamp is connected to image devices.

Technical Specifications

Slit Illumination	Slit Length	0.3 ~ 14mm
	Slit Width	0 ~ 14mm continuous
	Slit Projection	1.167x
	Aperture Diaphragms	0.3/1/3/5/9/12
	Filters	Cobalt blue, Red-free, Grey, Heat absorption and Yellow
	Slit Rotation	0°~180°continuous
Patients' Eye/ Prism	Angle of Incidence	0°, 5°, 10°, 15°, 20°
	Surface Working Distance	80mm
Microscope	Type	Galilean converging binocular
	Magnification	5 position rotating drum
	Eye Pieces	12.5x(10x)
	Total Magnifications	6x, 10x, 16x, 25x, 40x
	Real Fields of View (mm)	38.5, 24, 15, 9, 6
	Interpupilary Adjustment	55mm~80mm

Recommended Computer System:	
CPU	Pentium IV, 3GHz or Higher
Memory	512 MB (over 1GB recommended)
Video Card	ATI Radeon 9200 (128MB) or similar
System	Microsoft Windows XP (with servicepack 3), Windows Vista, Windows 7 (32bit, 64bit)
Camera Interface Card	Standard IEEE 1394A or 1394B interface Firewire port OHCI 1.1 compatible
Monitor	LCD or CRT (minimum resolution 1,280 x 1,024 pixels, over 1,600 x 1,200 pixels recommended)

Base	Vertical Movement	28mm
	Longitudinal Movement	78mm
	Lateral Movement	98mm
	Fine Base	10mm
	Voltage Frequency	50 / 60Hz
	Power Consumption	70VA
	Instrument Voltage	12V DC
	Halogen Bulb	12V 30W
	Fixation Point Bulb	3.4V 20mA
Digital Camera (HIS-5000) HCD. 1.4C	Image Sensor	1/2"interline CCD
	Image Size	up to 1,388 x 1,036 pixels
	Cell Size	4.65µm x 4.65µm
	Resolution Depth	8bit or 12bit Raw RGB, YUV 4:2:2
	Transmit Method	IEEE 1394A (6pin)
	Transmit Speed	400Mbps
	Frame Rate	15fps, 7.5fps, 3.75fps
	Lens Mount	C-Mount
	Photographing	External trigger or Software trigger
	Dimensions	44mm (W) x 29mm (H) x 63mm (D)
	Power Consumption	3W (12V DC, from IEEE 1394 cable)

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