

SPECIFICATION

|                       | HS-7000                   | HS-7500   | HS-5000           | HS-5500                     |
|-----------------------|---------------------------|---|-------------------|-----------------------------|
| SLIT ILLUMINATION     | Slit length(mm)           | 0.3~14  |                   | 0.3~14                      |
|                       | Slit width(mm)            | 0~14 continuous   |                   | 0~14 continuous             |
|                       | Slit projection           | 1.167x  |                   | 1.167x                      |
|                       | Aperture diaphragms       | 12.5x   |                   |                             |
|                       | Filters                   | Cobalt blue, Red-free, Grey, Heat absorption and Yellow   |                   |                             |
|                       | Slit rotation             | 0°~180° continuous  |                   |                             |
| PATIENT'S EYE / PRISM | Angle of incidence        | 0°, 5°, 10°, 15°, 20°   | 0°~20° continuous | 0°, 5°, 10°, 15°, 20°       |
|                       | Surface working distance  | 80mm  |                   |                             |
| MICROSCOPE            | Microscope                | 5x  |                   |                             |
|                       | Type                      | Galilean converging binocular   |                   |                             |
|                       | Magnification             | 5 position rotating drum  |                   |                             |
|                       | Eyepieces                 | 12.5x   |                   |                             |
|                       | Total magnifications      | 6x, 10x, 16x, 25x, 40x  |                   |                             |
|                       | Real fields of view (mm)  | 38.5, 22.2, 15.2, 10.5, 6.7   |                   | 38.5, 22.2, 15.2, 10.5, 6.1 |
|                       | Interpupillary adjustment | 55mm~80mm   |                   |                             |
| BASE                  | Vertical movement         | 28mm  |                   |                             |
|                       | Longitudinal movement     | 78mm  |                   |                             |
|                       | Lateral movement          | 98mm  |                   |                             |
|                       | Fine base                 | 10mm  |                   |                             |
|                       | Power supply              | Free voltage 100-240V AC  |                   |                             |
|                       | Voltage frequency         | 50 / 60Hz   |                   |                             |
|                       | Power consumption         | 70VA  |                   |                             |
|                       | Instrument voltage        | 12V DC  |                   |                             |
|                       | Halogen bulb              | 12V 30W   |                   |                             |
|                       | Fixation point bulb       | 3.4V 20mA   |                   |                             |
| DIGITAL CAMERA        | 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 1394 (6pin)  |                   |                             |
|                       | Transmit speed            | 400Mbps   |                   |                             |
|                       | Frame rate                | 15fps, 7.5fps, 3.75fps  |                   |                             |
|                       | Lens mount                | C-Mount   |                   |                             |
|                       | Photographing             | External trigger or Software trigger  |                   |                             |
|                       | Dimension                 | 44mm (W) x 29mm (H) x 63mm (D)  |                   |                             |
| HIS-5000              | Power consumption         | 3W (12V DC, from IEEE 1394 cable)   |                   |                             |
|                       | CPU                       | Pentium IV, 2GHz  |                   |                             |
|                       | Memory                    | 512 MB (over 1GB recommended)   |                   |                             |
|                       | Video card                | ATI Radeon 9200 (128MB) or similar  |                   |                             |
|                       | System                    | Microsoft Windows NT (with service pack 6), Windows 2000 (with service pack 4)  |                   |                             |
|                       | Transmit method           | Windows XP, Microsoft Internet Explorer 6 (Explorer 7 recommended)<br>Standard IEEE 1394a Firewire port OHCI 1.1 compatible<br>(with auxiliary 12V power connector if connected to a laptop computer) |                   |                             |
|                       | Monitor                   | LCD or CRT<br>(minimum resolution 1,280 x 1,024 pixels, over 1,600 x 1,200 pixels recommended)  |                   |                             |

OPTION : PC, Table Designs and details can be changed without prior notice for the purposes of improvement.



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# HUVITZ SLIT LAMP SERIES & IMAGING SYSTEM







Advanced optic system, a remarkable difference.

The industry-leading manufacturer, Huvitz, presents a high quality, world-class optic system applied slit lamp series manufactured based on information and experience within the market.

The slit lamp is manufactured beyond the industry standard.





# HUVITZ SLIT LAMP HS-7000 / HS-7500

Ultra high end optic system chosen by the most experienced professionals in the industry:  
HS-7000 and HS-7500



## 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. In conclusion, this slit lamp series offers a better and more successful diagnosis.

We invite you to compare our slit lamp series with the competitors analyzing color aberration; view angle and image color clarity.

- 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



## ILLUMINATION

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



## DESIGN

The slit lamps are offered in the Tower Illumination type (HS-7000) and the Integrated Illumination type (HS-7500) slit lamp models.

Both types are designed in the industry standard type models used for their proven accuracy and reliability.

## 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 uniquely designed Huvitz optic system allows you to offer a more accurate diagnosis and observation to patients without any image distortion in any magnification level.

## YELLOW FILTER

A yellow filter is conveniently located near the ocular for effortless insertion of the fluorescein pattern.

With a control lever, any filters are easily inserted. (Options include cobalt blue, red free, heat absorption, grey, and 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.



# HUVITZ SLIT LAMP HS-5500 / HS-5000



See the difference by looking through the Huvitz Slit Lamp chosen by opinion leaders in the industry: HS-5000 and HS-5500

## ILLUMINATION

The light source is a 12-volt, 30-watt high luminance halogen lamp that provides incredible clarity in both the Tower Illumination and Integrated Illumination type slit lamps.



## MICROSCOPE

HS-5000 and HS-5500 deliver crisp images and a wide field of view with the global standard Galilean Converging Binocular optical system.

(6x:38.5mm, 10x:22.2mm, 16x:15.2mm, 25x:10.5mm, 40x:6.7mm)



## DESIGN

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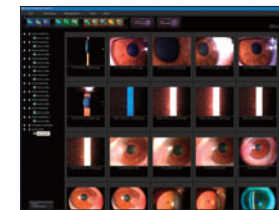
# HUVITZ IMAGING SYSTEM HIS-5000

From diagnosis and patient data management to presentation and image processing:  
The complete kit of user-friendly image management system



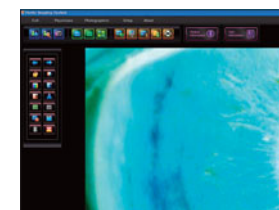
## PATIENT INFORMATION MANAGEMENT

MS Access Database system allows you to search symptoms, diagnosed information, and related contents. You can also easily manage data and history of patients.



## INTUITIVE USER INTERFACE

Intuitive tree-structured user interface allows easy access to and updates of patient information without any complicated clicking.



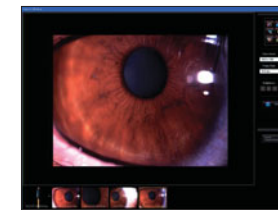
## DIGITAL CAMERA

The IEEE 1394 interface in the Huvitz camera system offers you a high mega pixel resolution images with increased speed and a more stable data transmission than a conventional USB port transmission.



## QUICK IMAGE & VIDEO SAVING

High performance progressive scan CCD camera provides quick image capture of diagnosed images and videos in real time with a simple click on joystick button.



## POWERFUL IMAGE PROCESSING

With Live Tool graphic library, all the images such as JPG, TIFF, RAW and many more formats can be adjusted for brightness, contrast, color channel, saturation, inversion, sharpness, red-free, etc.

## IMAGE MANIPULATION FOR THE BEST DIAGNOSIS

**Compare** / The selected images can be magnified, reduced and rotated with various graphic effects for accurate comparison and diagnosis.

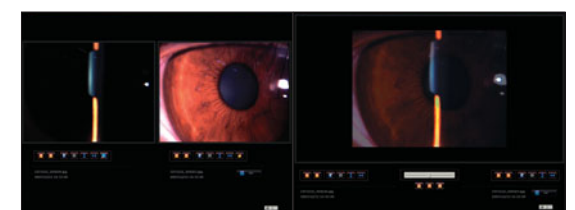
**Overlay** / Correlative animation of images captured in different time frames allows you to identify metastasis of symptoms.

**Slide Show** / All selected images can be shown in a slide show, which can be used for presentations.

**Reference** / Images of same symptoms can be registered or searched for further reference.

**Report Generation** / Automatic patients report export function in MS Word format.

**Print** / Easy single-click printing of current images.





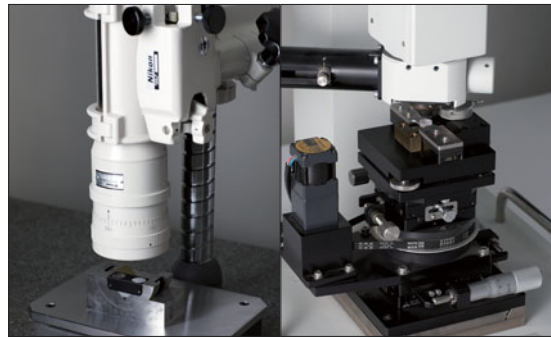
# HUVITZ QUALITY, HUVITZ STANDARD



Tens of thousands of repeated electro-mechanical tests and highest international standards ensure Huvitz slit lamps' quality and durability.

### HIGH QUALITY STANDARDS

From the design and production process, all Huvitz product goals are made to be durable in extreme conditions.

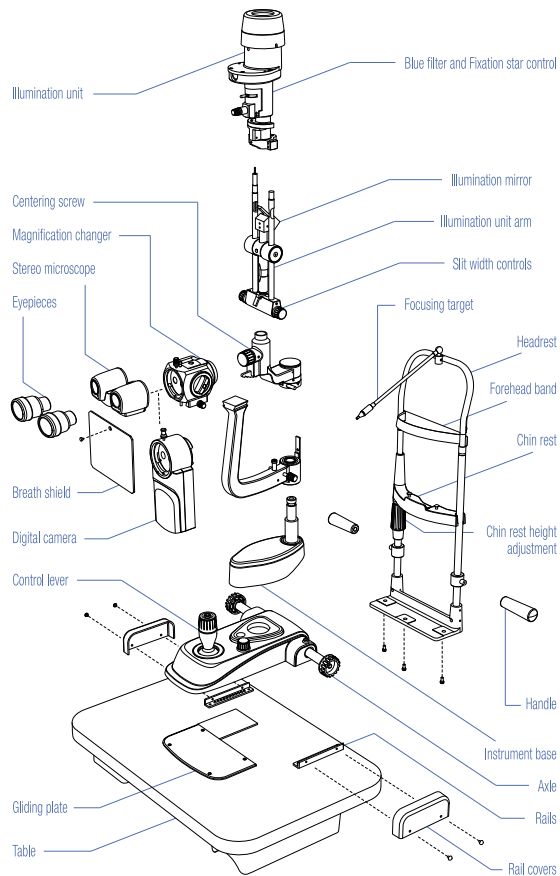
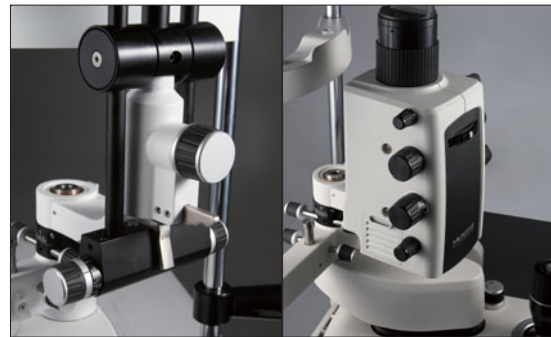


### DURABILITY ACHIEVED AFTER EXTREME TESTS

All the Huvitz slit lamps' modules and joints are designed after tens of thousands of repeated operation tests to ensure long life time usage.

### SMOOTH AND EASY PRECISION MOVEMENT

Smooth and precise movements of all operation knobs and joystick factor into making diagnostic procedures even easier.



### INTERNATIONAL QUALITY ASSURANCE

All Huvitz slit lamps are certified by the international quality assurance system as symbols below indicate.

