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
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
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.

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.

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)

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.)

DESIGN
The slit lamps are offered in the Tower Illumination type (HS-5000) and the Integrated Illumination type (HS-5500) slit lamp models. Both types are designed in the industry standard type models used for their proven accuracy and reliability.

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 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.

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.

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

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.

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.

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.
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.
# SPECIFICATION

## SLIT

<table>
<thead>
<tr>
<th></th>
<th>HS-7500</th>
<th>HS-7000</th>
<th>HS-5500</th>
<th>HS-5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slit length (mm)</td>
<td>0.3~14</td>
<td>0.3~12</td>
<td>0.3~14</td>
<td>0.3~12</td>
</tr>
<tr>
<td>Slit width (mm)</td>
<td>0~14 continuous</td>
<td>0~12 continuous</td>
<td>0~14 continuous</td>
<td>0~12 continuous</td>
</tr>
<tr>
<td>Slit projection</td>
<td>1.167x</td>
<td>1x</td>
<td>1.167x</td>
<td>1x</td>
</tr>
</tbody>
</table>

## ILLUMINATION

- Slit rotation: 0°~180° continuous
- Filters: Cobalt blue, Red-free, Grey, Heat absorption and Yellow

## PATIENT’S EYE / PRISM

- Angle of incidence: 0°~20° continuous, 0°, 5°, 10°, 15°, 20°
- Surface working distance: 66mm, 80mm

## MICROSCOPE

- Total magnifications: 5 positions rotating drum [HS-5000], 3 positions rotating drum [HS-5000(X3)], 2 positions rotating drum [HS-5000(X2)]
- Eyepieces: 12.5x (10x)
- Real fields of view (mm): 38.5, 24, 15, 9, 6
- Interpupillary adjustment: 55mm~80mm

## BASE

- Vertical movement: 28mm
- Longitudinal movement: 79mm
- Lateral movement: 98mm
- Fine base: 10mm
- Power consumption: 70VA
- Instrument voltage: 12V DC
- Halogen bulb: 12V 30W
- Fixation point bulb: 3.4V 20mA

## DIGITAL CAMERA HS-5000

<table>
<thead>
<tr>
<th></th>
<th>HDC 1.4C</th>
<th>HDC 2.0C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image sensor</td>
<td>1/2” interline CCD</td>
<td>1/1.8” interline CCD</td>
</tr>
<tr>
<td>Image size</td>
<td>up to 1,388 x 1,036 pixels</td>
<td>up to 1,600 x 1,200 pixels</td>
</tr>
<tr>
<td>Cell size</td>
<td>4.65μm x 4.65μm</td>
<td>4.40μm x 4.40μm</td>
</tr>
<tr>
<td>Resolution depth</td>
<td>8bit or 12bit Raw RGB, YUV 4:2:2</td>
<td>8,12,16 and 24bit digital data</td>
</tr>
<tr>
<td>Transmit method</td>
<td>IEEE 1394A (8pin)</td>
<td>IEEE 1394B (9pin)</td>
</tr>
<tr>
<td>Transmit speed</td>
<td>400Mbps</td>
<td>up to 800Mbps</td>
</tr>
<tr>
<td>Frame rate</td>
<td>15fps, 7.5fps, 3.75fps</td>
<td>Maximum 30fps</td>
</tr>
<tr>
<td>Lens mount</td>
<td>C-Mount</td>
<td>C-Mount</td>
</tr>
<tr>
<td>Photographing</td>
<td>External trigger or Software trigger</td>
<td>External trigger or Software trigger</td>
</tr>
<tr>
<td>Dimension</td>
<td>44mm (W) x 29mm (H) x 63mm (D)</td>
<td>44mm (W) x 29mm (H) x 59mm (D)</td>
</tr>
<tr>
<td>Power consumption</td>
<td>3W (12V DC, from IEEE 1394 cable)</td>
<td>3.4W</td>
</tr>
</tbody>
</table>

## 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)

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**OPTION:** PC, Table  
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