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.
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: 24mm, 16x: 15mm, 25x: 9mm, 40x: 6mm
- 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.
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.

- 12.5x eyepieces / 6x: 38.5mm, 10x: 22.2mm, 16x: 15.2mm, 25x: 10.5mm, 40x: 6.1mm

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.

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.

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

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.
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

#### HS-7000  |  HS-7500  |  HS-5000  |  HS-5500
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**Slit length (mm)** | 0.3–14 | 0.3–12 | 0.3–14 | 0.3–14
**Slit width (mm)**<br>Continuous | 0–14 continuous | 0–12 continuous | 0–14 continuous | 0–14 continuous
**Slit projection** | 1.167x | 1x | 1.167x | 1.167x
**Aperture diaphragms** | 12.5x | 12.5x | 12.5x | 12.5x
**Filters**<br>Cobalt blue, Red-free, Grey, Heat absorption and Yellow | **Filters**<br>Cobalt blue, Red-free, Grey, Heat absorption and Yellow
**Slit rotation**<br>0°–180° continuous | 0°–180° continuous | 0°–180° continuous | 0°–180° continuous
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#### Patient’s Eye / Prism

| Angle of incidence | 0°, 5°, 10°, 15°, 20° | 0°–20° continuous | 0°, 5°, 10°, 15°, 20° | 0°–20° continuous
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**Surface working distance** | 80mm | 66mm | 80mm | 66mm
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#### Microscope

| Microscope | 5 steps | 5 steps | 5 steps | 5 steps
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**Type**<br>Galilean converging binocular | **Type**<br>Galilean converging binocular | **Type**<br>Galilean converging binocular | **Type**<br>Galilean converging binocular
**Magnification** | 5 position rotating drum | 5 position rotating drum | 5 position rotating drum | 5 position rotating drum
**Eye pieces**<br>12.5x, 10x | 12.5x, 10x | 12.5x, 10x | 12.5x, 10x
**Total magnifications**<br>6x, 10x, 16x, 25x, 40x | **Total magnifications**<br>6x, 10x, 16x, 25x, 40x | **Total magnifications**<br>6x, 10x, 16x, 25x, 40x | **Total magnifications**<br>6x, 10x, 16x, 25x, 40x
**Real fields of view (mm)**<br>38.5, 24, 15, 9, 6 | **Real fields of view (mm)**<br>38.5, 22.2, 15.2, 10.5, 6.1 | **Real fields of view (mm)**<br>38.5, 22.2, 15.2, 10.5, 6.1 | **Real fields of view (mm)**<br>38.5, 22.2, 15.2, 10.5, 6.1
**Interpupillary adjustment** | 55mm–80mm | 55mm–80mm | 55mm–80mm | 55mm–80mm
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#### Base

| Vertical movement | 28mm | 28mm | 28mm | 28mm
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**Longitudinal movement** | 78mm | 78mm | 78mm | 78mm
**Lateral movement** | 98mm | 98mm | 98mm | 98mm
**Fine base** | 10mm | 10mm | 10mm | 10mm
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#### Digital Camera

| Image sensor | 1/2” interline CCD | 1/2” interline CCD | 1/2” interline CCD | 1/2” interline CCD
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**Image size**<br>up to 1,388 x 1,036 pixels | **Image size**<br>up to 1,388 x 1,036 pixels | **Image size**<br>up to 1,388 x 1,036 pixels | **Image size**<br>up to 1,388 x 1,036 pixels
**Cell size**<br>4.65μm x 4.65μm | **Cell size**<br>4.65μm x 4.65μm | **Cell size**<br>4.65μm x 4.65μm | **Cell size**<br>4.65μm x 4.65μm
**Resolution depth**<br>8bit or 12bit Raw RGB, YUV 4:2:2 | **Resolution depth**<br>8bit or 12bit Raw RGB, YUV 4:2:2 | **Resolution depth**<br>8bit or 12bit Raw RGB, YUV 4:2:2 | **Resolution depth**<br>8bit or 12bit Raw RGB, YUV 4:2:2
**Transmit method**<br>IEEE 1394 (6pin) | **Transmit method**<br>IEEE 1394 (6pin) | **Transmit method**<br>IEEE 1394 (6pin) | **Transmit method**<br>IEEE 1394 (6pin)
**Transmit speed**<br>400Mbps | **Transmit speed**<br>400Mbps | **Transmit speed**<br>400Mbps | **Transmit speed**<br>400Mbps
**Frame rate**<br>15fps, 7.5fps, 3.75fps | **Frame rate**<br>15fps, 7.5fps, 3.75fps | **Frame rate**<br>15fps, 7.5fps, 3.75fps | **Frame rate**<br>15fps, 7.5fps, 3.75fps
**Lens mount**<br>C-Mount | **Lens mount**<br>C-Mount | **Lens mount**<br>C-Mount | **Lens mount**<br>C-Mount
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#### HIS-5000

| CPU | Pentium IV, 2.6GHz | Pentium IV, 2.6GHz | Pentium IV, 2.6GHz | Pentium IV, 2.6GHz
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**Memory**<br>512 MB (over 1GB recommended) | **Memory**<br>512 MB (over 1GB recommended) | **Memory**<br>512 MB (over 1GB recommended) | **Memory**<br>512 MB (over 1GB recommended)
**Video card**<br>ATI Radeon 9200 (128MB) or similar | **Video card**<br>ATI Radeon 9200 (128MB) or similar | **Video card**<br>ATI Radeon 9200 (128MB) or similar | **Video card**<br>ATI Radeon 9200 (128MB) or similar
**System**<br>Microsoft Windows NT (with service pack 6), Windows 2000 (with service pack 4) | **System**<br>Microsoft Windows NT (with service pack 6), Windows 2000 (with service pack 4) | **System**<br>Microsoft Windows NT (with service pack 6), Windows 2000 (with service pack 4) | **System**<br>Microsoft Windows NT (with service pack 6), Windows 2000 (with service pack 4)
**Transmit method**<br>Windows XP, Microsoft Internet Explorer 6 Explorer 7 recommended | **Transmit method**<br>Windows XP, Microsoft Internet Explorer 6 Explorer 7 recommended | **Transmit method**<br>Windows XP, Microsoft Internet Explorer 6 Explorer 7 recommended | **Transmit method**<br>Windows XP, Microsoft Internet Explorer 6 Explorer 7 recommended
**Monitor**<br>320x1,024 pixels, over 1,600x1,200 pixels recommended | **Monitor**<br>320x1,024 pixels, over 1,600x1,200 pixels recommended | **Monitor**<br>320x1,024 pixels, over 1,600x1,200 pixels recommended | **Monitor**<br>320x1,024 pixels, over 1,600x1,200 pixels recommended
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OPTION : PC, Table

Designs and details can be changed without prior notice for the purposes of improvement.