Slit lamps

# HS-7000

## Galilean slit lamp with five magnification levels.

The Huvitz HS-7000 is a tower-illumination slit lamp for anterior segment observation. Its Galilean converging binocular microscope offers five magnification positions. Filters and slit adjustments support different examination conditions. HIS-5000 imaging can complement the lamp depending on the chosen configuration; it is not listed as standard included equipment.



HS-7000 · Equipment view

Sources and documentation

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Generated on 2026-11-23

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# Key advantages

### Five magnifications

6×, 10×, 16×, 25×, 40× to adapt the examination view.

Sources and documentation · Source checked on 2026-10-06

### Examination slit

Slit opening up to 14 × 14 mm.

Sources and documentation · Source checked on 2026-10-06

### Observation filters

Cobalt blue and green filters for examination.

Sources and documentation · Source checked on 2026-10-06

# Capabilities in practice

## Five observation magnifications

The HS-7000 Galilean binocular microscope provides 6×, 10×, 16×, 25×, 40×. The drum selects the field used for observation.

- Galilean binocular microscope with a five-position drum.
- Interpupillary adjustment from 55 to 80 mm.




Technical illustration — HS-7000 / HS-7500

Sources and documentation

Sources and documentation

## Select the observation filter

The filter range adapts illumination to the observation selected by the practitioner.

- Cobalt-blue, red-free, grey and heat-absorption filters.
- Yellow filter near the eyepieces for fluorescein.

Sources and documentation

# Designed for a smoother workflow

## Tower illumination with indexed positions

HS-7000 uses tower illumination with incidence positions at 0°, 5°, 10°, 15° and 20°. The stated working distance is 80 mm.

- Continuous slit width from 0 to 14 mm.
- Length from 0.3 to 14 mm; rotation from 0° to 180°.

Sources and documentation

## Adjust the examination position

The joystick controls base movements while positioning the slit lamp.

- Vertical travel: 30 mm.
- Longitudinal and lateral travel: 100 mm each.

Sources and documentation

# Designed for daily practice

## Add image documentation

An HIS-5000 imaging configuration can add joystick capture, comparison and reporting. These functions are not attributed to the stand-alone slit lamp.

Optional

- Joystick capture when the imaging system is connected.
- Capture, comparison and reports in HIS-5000.

Sources and documentation

## Compare and document with HIS-5000

The optional imaging system organises images and allows comparison in the record.

Optional

- Image enlargement, rotation and overlay.
- Word export, printing and DICOM communication.

Sources and documentation

# Technical specifications & documentation

### Magnifications
6× · 10× · 16× · 25× · 40×

Sources and documentation

### Number of magnifications
5

Sources and documentation

### Slit width
14 mm

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### Slit length
14 mm

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### Microscope optics
Convergent binocular Galilean microscope

Sources and documentation

### Filters
Cobalt blue · Red-free · Grey · Heat protection · Yellow

Sources and documentation

### Illumination
Halogen 12 V, 30 W; LED version depending on configuration

Sources and documentation

### Software
HIS-5000 optional, separate from the slit lamp

Sources and documentation

### Adjustment ranges
Vertical 30 mm; longitudinal and lateral 100 mm; interpupillary distance 55–80 mm

Sources and documentation

### Power supply

100–240 V AC ; 50/60 Hz

Sources and documentation



Technical illustration — HS-7000 / HS-7500

Sources and documentation



Technical illustration — HS-7000 / HS-7500

Sources and documentation

# Downloads & resources

## Manufacturer documentation

PDF · 21,742 kB

Sources and documentation

- https://huvitz.com/wp-content/uploads/2025/02/HS-Series_12p_eng_240603.pdf
  Source checked on 2026-10-06
- https://www.huvitz.com/product/hs-series/
  Source checked on 2026-10-06
- https://huvitz.com/wp-content/uploads/2025/02/HS-Series_12p_eng_240603.pdf
  Source checked on 2026-10-18

# Your questions about HS-7000

## What is the documented Magnifications of HS-7000?

6× · 10× · 16× · 25× · 40×

Sources and documentation

## What is the documented Number of magnifications of HS-7000?

5

Sources and documentation

## Where can I find the documentation for HS-7000?

Manufacturer documentation (PDF) — https://asem-medical.com/storage/catalogue-enrichment/huvitz-20261006/hs-series-original.pdf

Sources and documentation

## Is the LED version always included?

The brochure distinguishes halogen and LED configurations. The light source and any imaging system must be specified for the ordered model.

Sources and documentation

## How can the slit be adjusted?

Width varies from 0 to 14 mm, length from 0.3 to 14 mm and rotation from 0° to 180°. Incidence depends on the tower or integrated variant.

Sources and documentation

## Does the stand-alone lamp provide capture and reports?

Those functions belong to the optional HIS-5000 system. Camera, software and computer must be defined in the selected configuration.

Sources and documentation

# Related products



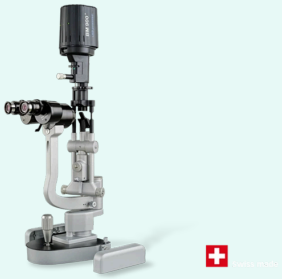
## BI 900

Haag-Streit

Slit lamps

Slit lamp with a Kepler microscope, two magnifications and LED illumination.

View product



## BM 900

Haag-Streit

Slit lamps

Slit lamp with a Kepler microscope and 10× and 16× magnifications.

View product



## BQ 900

Haag-Streit

Slit lamps

Slit lamp with a Galilean microscope, five magnifications and LED illumination.

View product



## Elara 900

Haag-Streit

Slit lamps

Slit lamp with a Galilean microscope and five magnifications.

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Diagnostics and biometry

# More than a device, a long-term partnership

Discuss your project with ASEM: equipment selection, installation, training and technical support.



Service illustration

### Installation

Discuss the installation requirements and configuration with our technical team.

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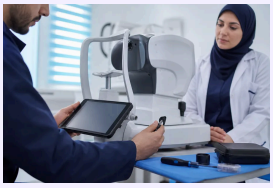


Service illustration

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