Slit lamps

HS-5000

Tower-illumination slit lamp with Galilean optics.

The Huvitz HS-5000 is an anterior segment slit lamp with a Galilean converging binocular microscope. Five magnification positions, filters and slit adjustments support different examination conditions. This variant features tower illumination. Optional HIS-5000 imaging may complement the lamp according to the quotation; camera, computer and table are not listed as standard included equipment.



HS-5000 · Equipment view

Sources and documentation

Request a quote

View product

Generated on 2026-11-24

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Key advantages

Five magnifications

6,5×, 11×, 16×, 23,2×, 39,3× 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

Tower illumination

Stepped illumination tilt from 0° to 20°.

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

Capabilities in practice

Five observation magnifications

The HS-5000 Galilean binocular microscope provides 6.5×, 11×, 16×, 23.2×, 39.3×. 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-5000 / HS-5500

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-5000 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°.



Technical illustration — HS-5000 / HS-5500

Sources and documentation

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
6,5× · 11× · 16× · 23,2× · 39,3×

Sources and documentation

Number of magnifications
5

Sources and documentation

Slit width
14 mm

Sources and documentation

Slit length
14 mm

Sources and documentation

Microscope optics
Convergent binocular Galilean microscope

Sources and documentation

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

Sources and documentation

Illumination
Tower illumination; halogen 12 V, 30 W or 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; incidence 0°, 5°, 10°, 15° and 20°

Sources and documentation

Power supply

100–240 V AC ; 50/60 Hz

Sources and documentation



Technical illustration — HS-5000 / HS-5500

Sources and documentation



Technical illustration — HS-5000 / HS-5500

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-5000

What is the documented Magnifications of HS-5000?

6,5× · 11× · 16× · 23,2× · 39,3×

Sources and documentation

What is the documented Number of magnifications of HS-5000?

5

Sources and documentation

Where can I find the documentation for HS-5000?

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



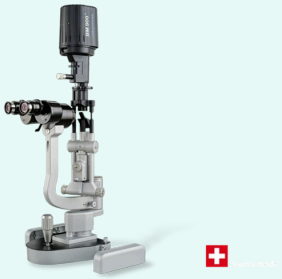
BI 900

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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