

SL9800_98K | SL9900_99K

Slit Lamps

outstanding optics and bright, long-life LED lighting



bon

Slit Lamps SL9800_98K | SL9900_99K

The right tool for every professional eye care expert.



Illumination

The illumination system of the slit lamps has been completely redesigned to better integrate the horizontal and vertical tilting system and to improve ergonomics. The illumination is controlled directly at the base of the unit.

The SL9800_98K is a 'Z-type' model with lighting from below.

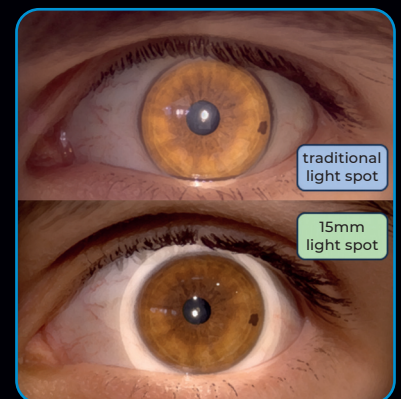
The SL9900_99K features the classic 'H-type' lighting tower with illumination from above.

LED light source

The main LED illumination source, with its low thermal emission, provides high comfort for the patient during biomicroscopic examination. The color temperature of the light emission remains constant regardless of its intensity.

15mm spot

A wider-than-traditional light spot allows simultaneous illumination of the cornea and ocular adnexa, or the examination of large-diameter contact lenses such as mini-scleral and scleral lenses.



Chin rest

Besides allowing vertical adjustment of the patient's head position, the wide-section headrest arc makes it easier for the operator to hold lenses during fundus observation.



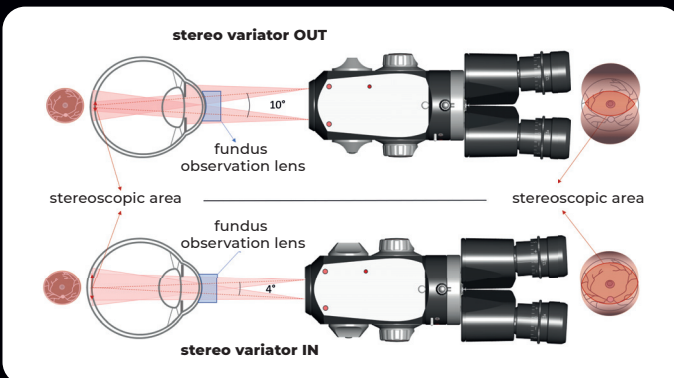
High grade optics

Both slit lamp models are offering convergent Galilean microscope optics with 5-fold magnification changer from 6x to 40x.

Additionally, the classic H-type design of the SL9900_99K model allows the slit to be tilted horizontally by up to 20° (slit decoupling).

Yellow barrier filter

Fitted as standard on all **bon** slit lamp microscopes, it allows to increase contrast during biomicroscopic examination with fluorescein and blue filter.



Stereo variator microscope (optional with SL9900_99K only)

An optional version of the convergent Galilei microscope is available with an integrated stereo variator, providing enhanced flexibility for retinal examinations using hand-held lenses. The adjustable stereoscopic angle allows the microscope to be optimally adapted to different examination scenarios, helping to maximize the binocular field of view, even when the patient's pupil diameter is limited.

DIN EN ISO 13485 certified quality

All models are produced in the EU by the world's biggest slit lamps manufacturer especially for **bon**. They have been engineered at the highest European standards.

Their ergonomic design, high quality optics and precision mechanical parts provide the user with an unparalleled experience while conducting a slit lamp examination.

These slit lamps can more than meet the demands of ophthalmic practice, even those tricky endothelium observations and without any additional light source.



Mizar makes quality visible.

The SL9800_98K and SL9900_99K slit lamps are already pre-equipped with a trigger in the joystick and automatic R/L detection as standard.

Together with the Mizar camera module, they become a fully-fledged „DigiPro“ in no time at all.

The DigiPro has been the world's most successful digital slit lamp for many years, now in its fifth technology generation.

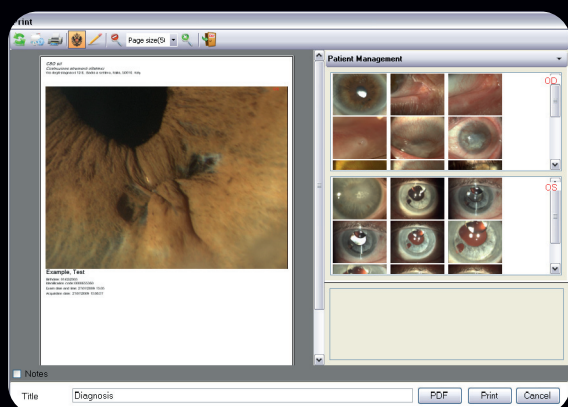
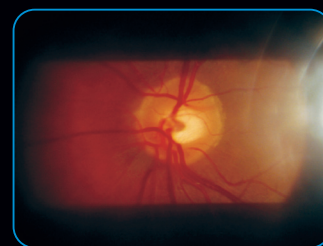
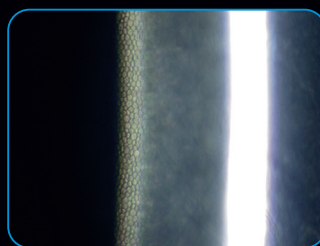
Mizar has a professional 3/4 inch chip that has been specially developed for use in ophthalmology. It provides superior transmission values compared to a conventional beam splitter. An ambient illumination is included in the scope of delivery.

An automatic white balance ensures exceptionally true-colour image reproduction. The advanced „Selective Sharpness“ algorithm minimises imaging noise and improves details at high detail at high magnifications.

The Mizar camera can be integrated into common practice applications via a professional DICOM interface. A modern USB 3.0 interface guarantees fast data transfer and high PC compatibility.

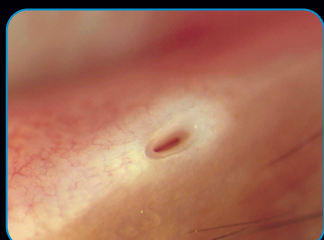
Experience photos, videos and full-screen live images in unparalleled sharpness of detail. Even demanding endothelial and fundus shots are possible without the use of flash.

- Simply at the touch of a button!



The Phoenix Software

The Mizar camera module includes the advanced Phoenix software. Its network-compatible database is unlimited and ensures easy and professional image management. The integrated image processing enables convenient marking, drawing, annotating and measuring directly in the picture. You can compare up to 6 images – optimal for case documentation. Phoenix is a multi tasking software platform for the DigiPro slit lamp, the Cobra fundus camera, the Sirius Scheimpflug camera, the topographer Antares, the anterior segment OCT MS-39 and the Perseus specular microscope – a world of diagnostic capability.



Technical Data

Microscope type
Ocular convergence angle
Stereoscopic angle
Eyepieces
Eyepiece adjustment
Magnifications
Visual Field
Interpupillary distance
Integrated barrier filter
Left/Right detection
Trigger Button for digital camera
Supply Voltage

Mizar camera module

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Galileian convergent
with 5x magnification change system
6°
10° (10° - 4° with the stereo variator)
12,5x - suitable for spectacle wearers
±8 D
6x | 10x | 16x | 25x | 40x
41 | 26.5 | 15.1 | 8.7 | 5.7 mm
50 mm to 80 mm
yellow
integrated in instrument base
integrated in joystick
AC input voltage:
100-240V ±10% 50/60 Hz 1.4 A
Output voltage: 24V 4A
PC connection USB 3.0
Resolution 5MP (2448x2048 px)
Frame rate 35 fps
Pixel size 3.45 x 3.45 µm²
Data format DICOM V3 compatible

SL9800_98K

Dimensions (HxWxD) 421 x 313 x 335 mm
Weight (w/o camera) 7.4 kg
Base movement (x, y, z) 114 x 108 x 30 mm ± 1 mm
Precise movement (x, y) 19 mm ± 1 mm
Slit projection index 1,35 x
Slit length (continuous) 1 – 15 mm continuous
Slit width (continuous) 0 – 15 mm continuous
and fixed apertures
Aperture diaphragms ø 15 / 9 / 5.5 / 0.3 mm
Filters Blue, Red, Green
(Red free)
Swivel range of slit projector +/-90° 0 – 180°
TABO scale with 5° steps
markings at 0°/90°/180°
Slit rotation 0-180°, click stop at 0°, 90°, 180°
Vertical tilt -
Horizontal tilt -
Operation distance (mirror/
patient's eye distance) 69.5 mm

SL9900_99K

650 x 313 x 335 mm
8.6 kg
114 x 108 x 30 mm ± 1 mm
19 mm ± 1 mm
1,25 x
1 – 15 mm continuous
0 – 15 mm continuous
and fixed apertures
ø 15 / 10 / 5 / 3 / 1 / 0.2 mm
Blue, Red, ND 50%,
Green (Red free)
+/-90° 0 – 180°
TABO scale with 5° steps
at 0°/45°/90°/135°/180°
0-180°, click stop at 0°, 45°, 90°, 135°, 180°
0° / 5° / 10° / 15° / 20°
± 10° reference on 0°
80 mm

Optional Slit Lamp Accessory



Applanation Tonometer

These precision measuring instruments are offering highest quality at a favorable bon price. You will feel no difference, neither in handling nor at accuracy.

All tonometers are using standard measuring prisms, also available as disposables.

iCare ST500™

The revolution in IOP measurement

The ST500™ from iCare brings proven rebound technology to your slit lamp. The gentle measurement is barely noticeable and requires neither anaesthesia nor dye. This saves time and significantly increases patient comfort. The quick mode enables fast and precise measurements even with difficult compliance and thus noticeably optimises the workflow. You always get reliable, repeatable results with high accuracy and excellent compliance with applanation tonometry.

(NOTE: We sell iCare products exclusively in Germany.)



Ergonomic Viewing Angle

This eyepiece adapter is ideal for particularly tall users. It promises them relaxed working without neck pain.

The viewing angle is 20°. The angle piece can be easily mounted on all current **bon** slit lamp models.

Polaris

The next Generation „TearScope“

As a practical addition to your slit lamp, Polaris extends your diagnostic possibilities: With its LED cold light source, it enables you to perform interferometric analyses of the lipid layer of the tear film and a qualitative assessment of break-up time. It can simply be attached to the slit lamp base.



 C.S.O. S.r.l., Via degli Stagnacci 12/E, 50018, Badia a Settimo / Scandicci (FI), Italy
iCare ST500: Icare Finland Oy, Äyritie 22, 01510 Vantaa, Finland

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bon Optic Vertriebsgesellschaft mbH

Stellmacherstr. 14 · 23556 Lübeck, Germany · Phone +49 451 80 9000
Fax +49 451 80 900-10 · E-Mail call@bon.de · Internet www.bon.de

