

# Classic and Digital Slit Lamps

outstanding optics and bright, long-life LED lighting



**bon**

# Slit Lamps SL-85V / SL-75V / SL-99K Elite

The right tool for every professional.



## A slitlamp from bon - the right choice.

The excellent high resolution optics of our slit lamps have convinced thousands of professionals worldwide for decades.

The state of the art LED light source ensures perfect illumination for each and every examination and is energy saving. The LEDs promise a service life of up to 50,000 hours.

They guarantee excellent colour rendition at any illumination level. The brightness control is comfortably integrated into the slit lamp base - full control at your fingertips.

The smooth mechanics of the slit lamp base allow you single handed control.

The diagnostic capability is enhanced by an integral yellow filter and the slit decoupling feature (SL-75V / SL-99K Elite only).

## 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.





## bon SL-85 V

This slit lamp in Z-type construction (illumination from below) offers a bright LED illumination and a 5-fold magnification changer from 6x to 40x.

The illumination is controlled directly at the base of the unit.

The SL-85V is already prepared to take a DigiPro camera module. For this purpose, it offers a joystick trigger and R/L recognition in the base as standard.

## bon SL-75 V

This model is the universal ophthalmic tool and is used by many ophthalmologists worldwide.

The SL-75V also offers modern LED illumination, a 5-fold magnification changer up to 40x and can easily be upgraded to a digital slit lamp.

The classic H-type design with illumination from above allows the slit to be tilted horizontally by up to 20° (slit decoupling).



## bon SL-99K Elite

The exclusive "Elite" slit lamps are the top models of the bon slit lamp family. More than 40 years of experience in ophthalmology have resulted in the most modern premium class instruments that make your daily work easier and more ergonomic.

The features and performance of this slit lamp are truly convincing - in addition to the features of the SL-75V - with tangibly optimised mechanics with unique smoothness and smooth detents. Its excellent, multi-coated optics guarantee the highest depth of field during the examination. The SL-99K Elite also offers an adjustable iris diaphragm.

An optimised 'Mizar' camera module is included as standard with the SL-99K Elite. In addition to the release button, its joystick offers a clever, freely programmable double switch, e.g. for setting the electronic shutter. You can conveniently control the main and ambient lighting directly on the device base. You can therefore control all functions without having to take your hands off the slit lamp.

With the SL-99K Elite, with the integrated meibography tool, you can also carry out examination and documentation of the meibomian glands directly at the slit lamp.

## DigiPro makes quality visible.

The SL-85V and SL-75V slit lamps are already pre-equipped with a trigger in the joystick and automatic R/L detection as standard. Together with the 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.

The camera 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 clever Multi-Shot function helps you to always capture the intended image.

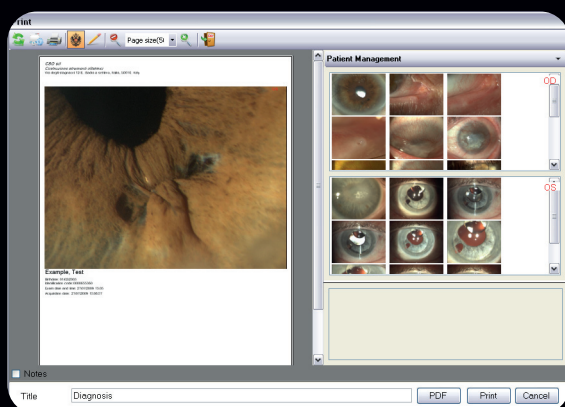
DigiPro can be integrated into common practice applications via a professional DICOM interface.

A modern USB3.0 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 top model SL-99K Elite comes with an optimised „Mizar“ camera module as standard.



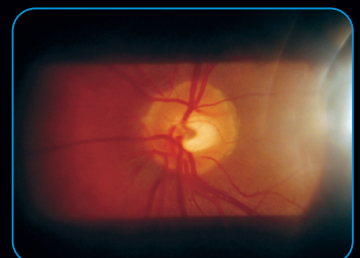
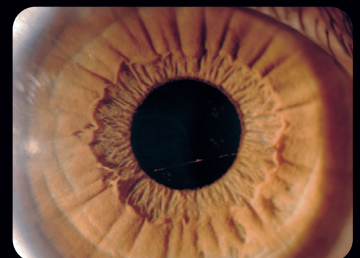
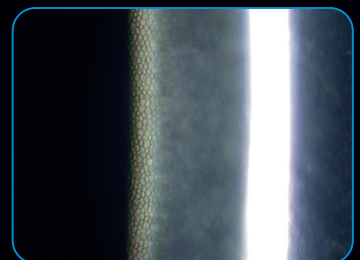
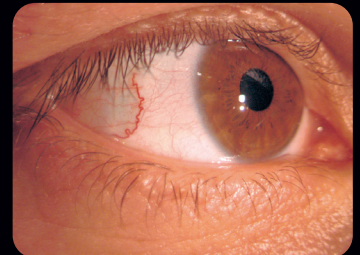
## The Phoenix Software

The DigiPro 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 and the Perseus specular microscope – a world of diagnostic capability.



## Technical Data SL-85V / SL-75V / SL-99K Elite

Microscope type	Galileian convergent with magnification change system
Eyepiece convergence angle	6°
Eyepieces	12,5x - suitable for spectacle wearers
Eyepiece adjustment	±8 D
Magnifications	6x   10x   16x   25x   40x
Corresponding real magnifications	5.6x   8.5x   14.8x   25.6x   39.3x
Field of view	41 mm to 5,7 mm
Interpupillary distance	50 mm to 80 mm
Integrated barrier filter	yellow
Voltage	15V DC 1A
Light source	White LED
Brightness	284000 LUX continuous adjustment
Color temperature	3100 K
Left/Right detection	integrated in instrument base
Trigger Button for digital camera	integrated in joystick
DigiPro camera module	PC connection USB3.0 Resolution 5MP (2448x2048 px) Frame rate 35 fps Pixel size 3.45 x 3.45 µm <sup>2</sup>



### Slit Lamp SL-85V

### Slit Lamps SL-75V and SL-99K Elite

Slit projection	1.3X	1X
Slit width (setting continuous)	0 – 15 mm	0 – 12 mm
Slit length (setting continuous)	1 – 15 mm	1 – 12 mm
Apertures	15, 9, 5.5, 0.3 mm	12, 9, 5,3,1, 0.2 mm
Filters	Blue, Red, Green (Red free)	Blue, Red, ND 50%, Green (Red free)
Slit rotation	± 90° continuous, on the TABO system	± 90° continuous, on the TABO system
Slit angle	0° horizontal	variable 0°   5°   10°   15°   20°
Rotation interval of the slit projection	±90°, angular scale, reference on 0°	±90°, angular scale, reference on 0° and ±10°
Working distance	69.5 mm	80 mm
Dimensions (HxWxD)	440 x 313 x 335 mm	675 x 313 x 335 mm
Weight (w/o camera)	7 kg	7.8 kg



### **Applanation Tonometer (optional accessory)**

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

### **Polaris - The next Generation „TearScope“ (optional accessory)**

As a practical addition to your slit lamp, Polaris extends your diagnostic possibilities in a simple way: With its LED cold light source, it enables you to perform interferometric analyses of the lipid layer of the tear film and to check the corneal surface. The Polaris can simply be attached to the slit lamp base.



### **Ergonomic Viewing Angle (optional accessory)**

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 slit lamp models.