



SLIT LAMP BQ 900

Sophisticated microscopy

Tradition and Innovation – Since 1858, visionary thinking and a fascination with technology have guided us to develop innovative products of outstanding reliability: Anticipating trends to improve the quality of life.



THE VERSATILE SLIT LAMP

BQ 900 **Sophisticated microscopy, outstanding performance**

Since its introduction in 1958, the famous Goldmann slit lamp BM 900 has enjoyed remarkable popularity amongst our customers because of its excellent optics and impressive longevity. As a result, more than 100,000 eyecare specialists decided to purchase one of these superb slit lamps.

Further innovations have followed to cover more advanced needs in slit lamp examination including the unique stereo variator, a wider range of magnifications and innovative imaging solutions. The basic goal of each Haag-Streit slit lamp development however has always been the same: to provide a slit lamp with excellent optics, optimum illumination and superior mechanics.



Excellent optics

The quality of the optical system determines the results of whatever application a slit lamp is used for. The BQ 900 is equipped with an elaborated optical system, manufactured for highest quality requirements. The result is a superb view, allowing accurate diagnostics, safe patient treatment and stunning imaging results.

Superior mechanics

Since its foundation more than 160 years ago, Haag-Streit has stood for high-precision mechanics. This experience, combined with outstanding Swiss engineering and the use of high grade materials, ensures perfect mechanics in the BQ 900, which can last for decades.

Sustainable investment

All our slit lamps come with the extensive warranty period of 10 years. With this we want to emphasize that we are fully committed to the quality of our slit lamps.

For us it's just a small step – for our customers it is "confidence that lasts".



ACCESSORIES

Wide range of applications

INCLINED EYEPIECE ADAPTOR

Ergonomic and fatigue-free working

With the inclined eyepiece adaptor, the view into the microscope is inclined at 20 degrees to the horizontal. This enables the examiner the use of the slit lamp in a more comfortable, fatigue-free position.

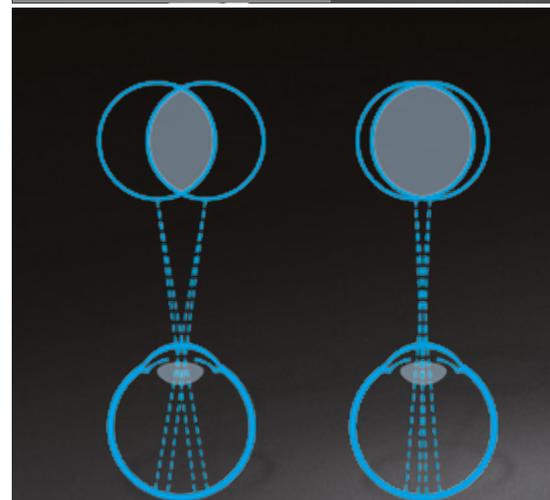


INCLINED EYEPIECE ADAPTOR

STEREO VARIATOR

Enhanced view on fundus

Unique to the BQ 900, the stereo variator reduces the angle of stereoscopic observation from 13° to 4.5°. This facilitates the stereoscopic examination of the fundus, peripheral parts of the retina and the vitreous, even under unfavourable conditions such as high myopia and small pupils. The reduction of the angle enlarges the stereoscopic field of view under the described conditions, maintaining depth information in the stereoscopic observation.



STEREO VARIATOR

BEAM SPLITTER

Connection to a wide range of accessories

The beam splitter diverts a portion of the light to secondary attachments such as the second observer tube, video or digital cameras. Beam Splitters are available in different versions. The beam splitter for cameras diverts 70% of the light to the secondary attachment, the one for co-observation under equal conditions diverts only 50% of the light.

Video or digital cameras can be connected to the beam splitter with a range of C-mount adapters, which offer different focus length for variable sensor sizes.



BEAM SPLITTER

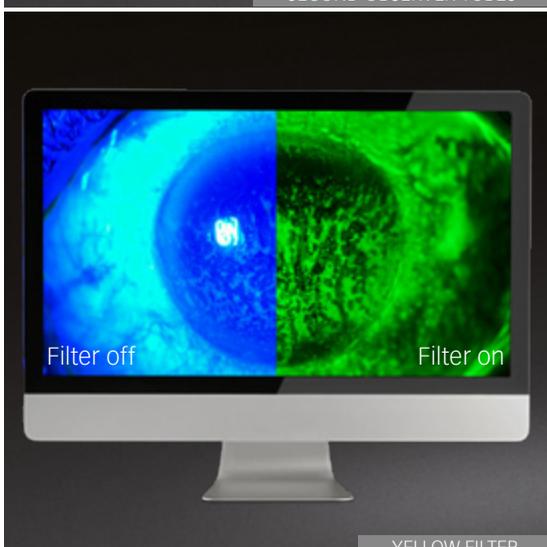


SECOND OBSERVER TUBES

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Analog co-observing

Haag-Streit's second observer tubes are designed to permit professional colleagues, students or technicians to participate in the examination. There are two versions of second observer tubes available: a short version for co-observing in sitting position and a long version for co-observing in upright position.



YELLOW FILTER

YELLOW FILTER

Fluorescence enhancement

This yellow barrier filter provides additional contrast to fluorescein images. It can be mounted permanently on the slit lamp and easily inserted or removed as required.



HSM 600

INSTRUMENT TABLES

The ergonomic workplace

With its clear cut design the HSM 600 offers a subtle modern style that complements most examination rooms. Thanks to its intelligent design the table guarantees that all equipment can be neatly installed and all trailing cables are fully enclosed. The high quality of the material used promises exceptional stability and durability.

ACCESSORIES

Wide range of applications

APPLANATION TONOMETER

The original Goldmann tonometer

Because it is fast and reproducible, Goldmann applanation tonometry has been the gold standard in tonometry for many decades. It is based on the Goldmann principle – tried and tested during more than 50 years of usage with millions of patients.

Furthermore, thanks to the high precision of manufacturing at Haag-Streit the Goldmann applanation tonometer offers reliable performance during many years without the need for manufacturer maintenance.

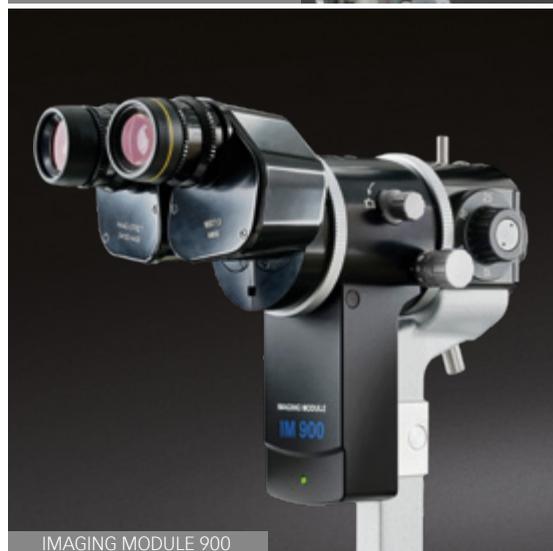


GOLDMANN TONOMETER

IMAGING MODULE 900

The intelligent choice for optimal imaging

The Imaging Module 900 is a fully integrated compact imaging solution for the BQ 900 slit lamp. It is equipped with an ultra-sensitive camera which produces images of exceptional quality even under difficult light conditions. Designed for optimal user friendliness it provides features which make slit lamp imaging more convenient than ever before.



IMAGING MODULE 900

FUNDUS MODULE 300

Fast and easy fundus documentation on the slit lamp

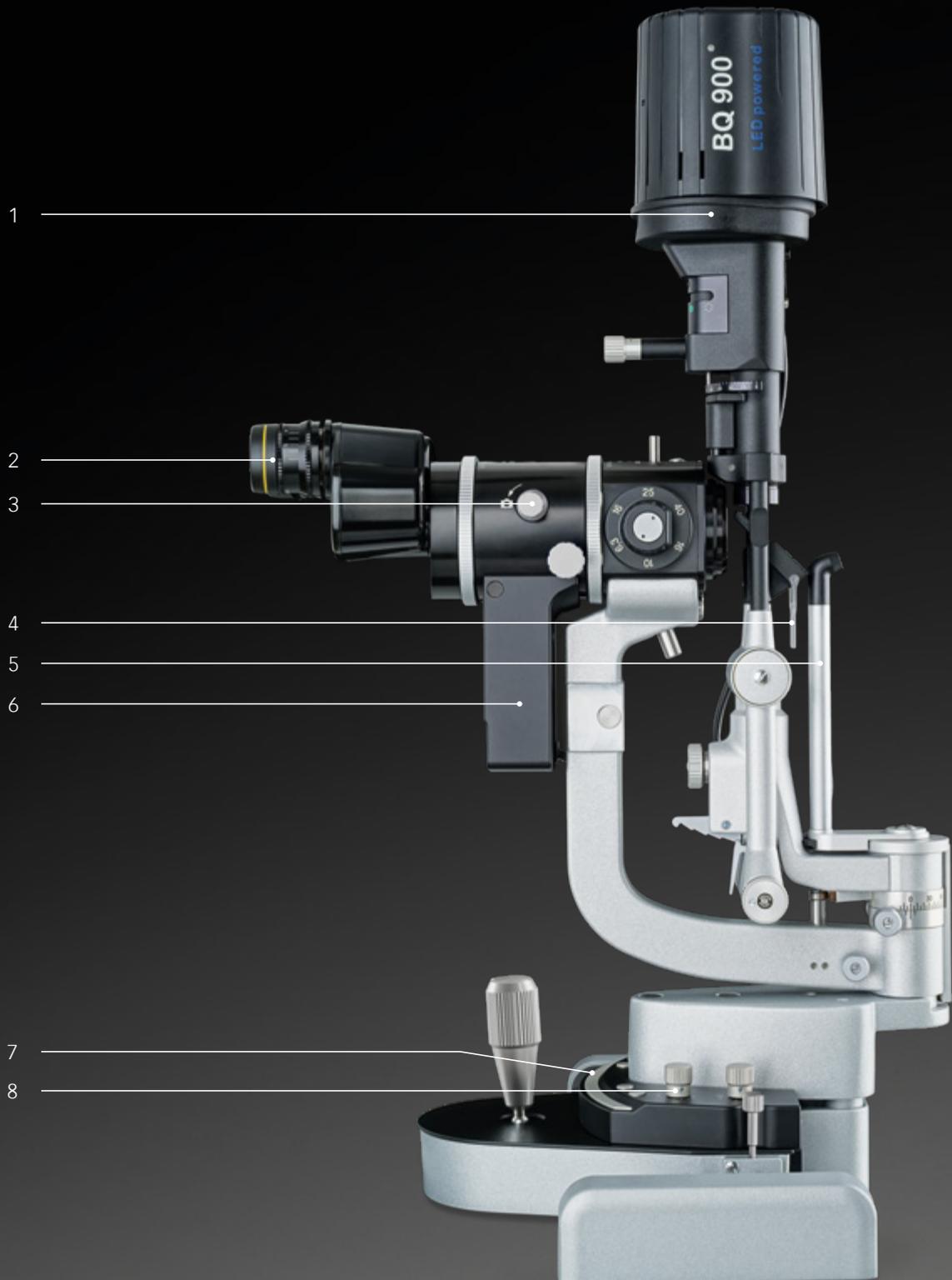
This innovative accessory allows integration of non-mydratic retina imaging as part of the regular slit lamp examination. This can improve practice workflow and save both clinical and patient time.



FUNDUS MODULE 300

Slit lamp BQ 900

1. LED illumination head
2. Eyepiece with double cross hair reticule
3. Switch for beam splitter
4. Diffusor
5. Pivoting background illumination
6. Imaging Module 900
7. Release bar
8. Illumination control



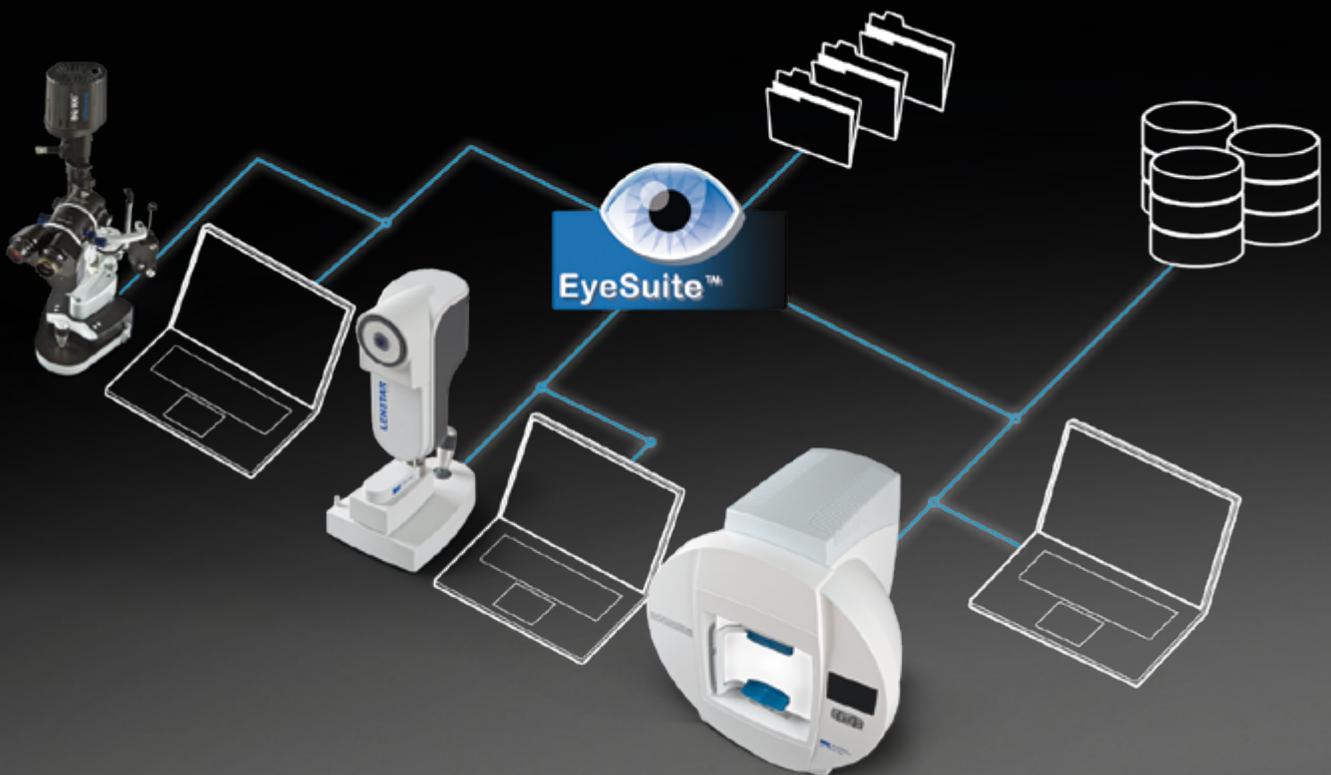
CONNECTIVITY IS KEY

EyeSuite platform Flexible interfaces for easy integration into your network

The EyeSuite software is designed for optimal patient flow in busy practices. Supporting the Haag-Streit imaging solutions, the software makes the BQ 900 networkable both with other Haag-Streit devices and your practice network. EyeSuite does not require any proprietary third-party software to provide connectivity.

If the BQ 900 is connected to an EyeSuite server, all the images taken can be accessed remotely from any number of viewing stations connected to the same database.

Furthermore, the EyeSuite Script Language or standardized interfaces, such as GDT or DICOM, connect easily to almost any electronic medical record (EMR) system. Patient orders can be received from the EMR system and the captured images are then automatically returned to it.



Technical specifications

BQ 900

Illumination	Light-source	LED for examination (slit and background illumination)
	Slit width	0 – 14 mm continuous
	Slit length	1 – 14 mm continuous and fixed apertures
	Illumination field diameter	ø 8/5/3/2/1/0.2mm, test mark with fixation star
	Slit image rotatability	± 90°
	Swiveling of the slit illumination to the microscope axis	Horizontal ± 90°, vertical 0 – 20°
	Filters	Blue, red-free (green) and grey (10%)
Microscope	Stereo angle	13°
	Overall magnification	6.3 ×, 10 ×, 16 ×, 25 × and 40 ×
	Eyepiece magnification	12.5 ×
	Range of adjusting eyepieces	+7 to –7 diopters
	Inter pupillary distance	52 – 78 mm
	Yellow filter	Optional
	Inclined eyepiece	Optional
Instrument base	Operation	Single handed 3-dimensional operation of the control lever
	Spatial adjustment of the instrument base	100 mm (length), 100 mm (side), 30 mm (height)
Measures (W × L × H)		332 mm × 305 mm × 700 mm

AT 900

Measuring force	Generated by leverage weight	
Installation	AT 900 model BQ, assembly on the microscope arm.	
Measurement range	0 – 80 mm Hg	

IM 900

Camera	Beam	Beam path right
	Sensor size	1/1.2"
	Resolution	1936 × 1216 pixels
	Dynamic range (sensor)	73 dB
	Quantum efficiency at 525 nm	76 %
	Frame rate (frames per second)	30
	Interface	USB 3.0
Software	EyeSuite Imaging	Patient Manager, Capture Mode, Image Viewer
	EMR Interfaces	EyeSuite Script Language, DICOM (SCU), GDT

Fundus Module 300

Camera	Image resolution	1536 × 1152 pixels
	Field of view	40°
	Focusing	Manual
	Capture mode	Color, red-free, IR
	Fixation	9 internal fixation targets
	Minimum pupil size	3.5 mm
Software	Software	EyeSuite Imaging
	EMR interfaces	EyeSuite script language, DICOM (SCU), GDT

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