

S390H/S390L

Motorized Focusing Digital Slit Lamp Microscope



Firefly

Simply capture every key moment

Available in the UK through Grafton Optical
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 **graftonoptical.com**



Simple Design + Simple Operation

The design was inspired from the shape of firefly. The smart design largely saves space for doctors compared with built-out camera.

We have preset many camera setups so the user does not need to set many parameters before using the device. The user can operate the machine directly once the installation has been finished. The device carries following automatic functions for photo shooting and processing when equipped with our MediView software:

- Auto Focus/ISO
- Auto Exposure
- Auto White Balance
- Right/Left Eye indicator
- Auto Focusing Calibration



Simple can be harder than complex: You have to work hard to get your thinking clean to make it simple.

But it's worth it in the end because once you get there, you can move mountains.

--Steve Jobs



Adjustable Aperture

The aperture can be adjusted at 7 different levels to meet different view of depth and brightness demands.

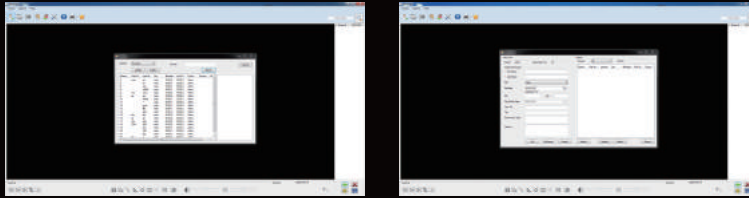
HDMI output

The HDMI output can be used to connect the S390H/S390L slit lamp with monitor. The doctors can share the live eye examination status simultaneously with patient's family members or students for teaching purpose.



MediView Software

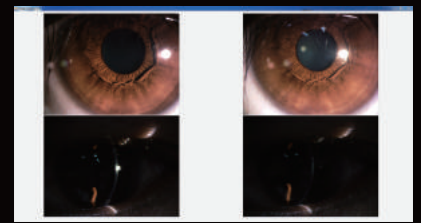
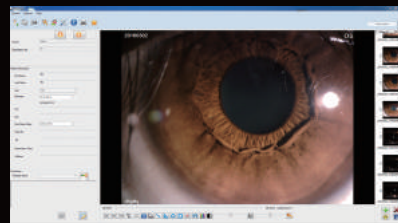
Convenient Patient Management



The patient management system enable doctors to build up and edit patient record, search information by inputting key words. Doctors can easily record symptoms and manage the data all the time.

Functional Image Processing

Doctors can measure the pathology area with our powerful software tools and change the contrast and brightness of the images. Doctors can also compare several images at one time to analysis the symptoms and pathology.



Orthokeratology Treatment Assistance

The doctors can collect and store high resolution fluorescein photos and real time video without recording time limit. Doctors can compare the photos and videos of patients' wearing different lenses to decide the most suitable lens for each patient.

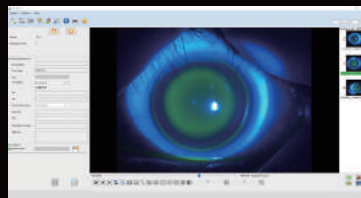
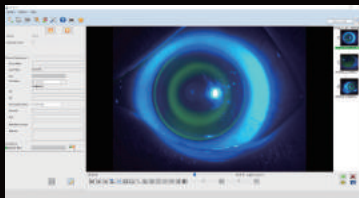
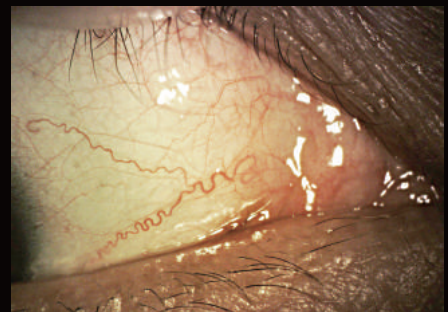
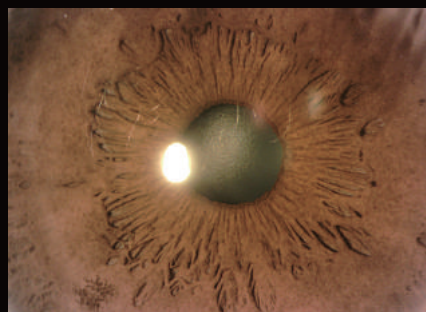
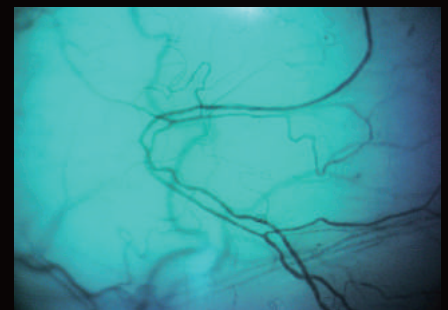


Image Gallery



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Microscope

Microscope Type	Galilean Type
Magnification Change	Revolving Drum (5 or 3 steps)
Total Magnification	6X, 10X, 16X, 25X, 40X
Eyepieces	12.5X
Angle between Eyepieces	13°
Pupillary Adjustment	52mm-78mm
Diopter Adjustment	±6D
Field of View	Ø34.7mm(6X), Ø22mm(10X), Ø13.5mm(16X), Ø8.5mm(25X), Ø5.5mm(40X)

Slit Illumination

Slit Width	0~14mm continuous (slit becomes a circle at 14mm)
Slit Length	1~14mm continuous
Aperture Diameters	Ø14mm, Ø10mm, Ø5mm, Ø3mm, Ø2mm, Ø1mm, Ø0.2mm
Slit Angle	0°~180°
Slit Inclination	5°, 10°, 15°, 20°
Filters	Heat-absorbing filter, ND filter, Red-free filter, Cobalt Blue filter
Lamp	S390H:6V/20W Halogen Lamp S390L:3V/3W LED
Luminance	S390H ≥ 60KLX, S390L ≥ 100KLX

Instrument Base

Longitudinal Movement	110mm
Lateral Movement	110mm
Vertical Movement	30mm
Fine Base Movement	15mm

Power Supply

Input Voltage	220V/110V~±10%
Input Frequency	50Hz/60Hz
Power Consumption	S390H: 30VA (max) Halogen Lamp S390L: 10VA (max) LED Module
Output Voltage	Lamp: S390H: 6V (continuously adjustable) S390L: 3V (continuously adjustable) Fixation: 3V Backlit Background Illumination Module: 3V

Chin-rest

Vertical Movement	80mm
Fixation	LED

Packaging

Dimension	770mm x 470mm x 570mm (L/W/H)
Gross weight	26kgs
Net weight	18kgs



System Specification

Image Sensor	5.0M Pixels
Photo Resolution	2592 x 1944
Format	JPEG
Video Resolution	1280 x 960
Frame of Video	25fps
Video Formats	MP4
Focus Mode	Focus by moving the roller of the mouse
Exposure Mode	Automatic exposure, Automatic gain
Transmission Interface	Standard USB Port