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Firefly

Motorized Focusing Digital
Slit Lamp Microscope
S390L/S390H

Simply Capture Every Key Moment





Simple Design + Simple Operation

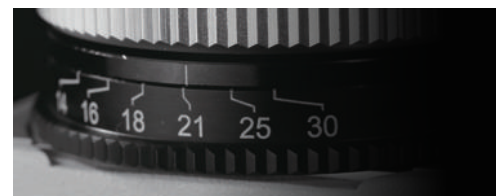
The design was inspired from the shape of firefly. The smart design largely saves space for clinicians compared other bulky camera systems. We have preset many camera parameters so the user does not need to adjust settings before using the device. The user can operate the machine immediately once the installation has been finished. The device has the following automatic functions for photo shooting and processing when equipped with our Mediview software:

- Auto Focus (During Setup)
- Auto Exposure
- Auto Gain
- Auto White Balance
- Auto OS/OD Indicator



HDMI output

The HDMI output can be used to connect the S390H/S390L slit lamp with a monitor. The clinicians can share the live eye examination image simultaneously with patient's family members or students for patient education or teaching purposes.



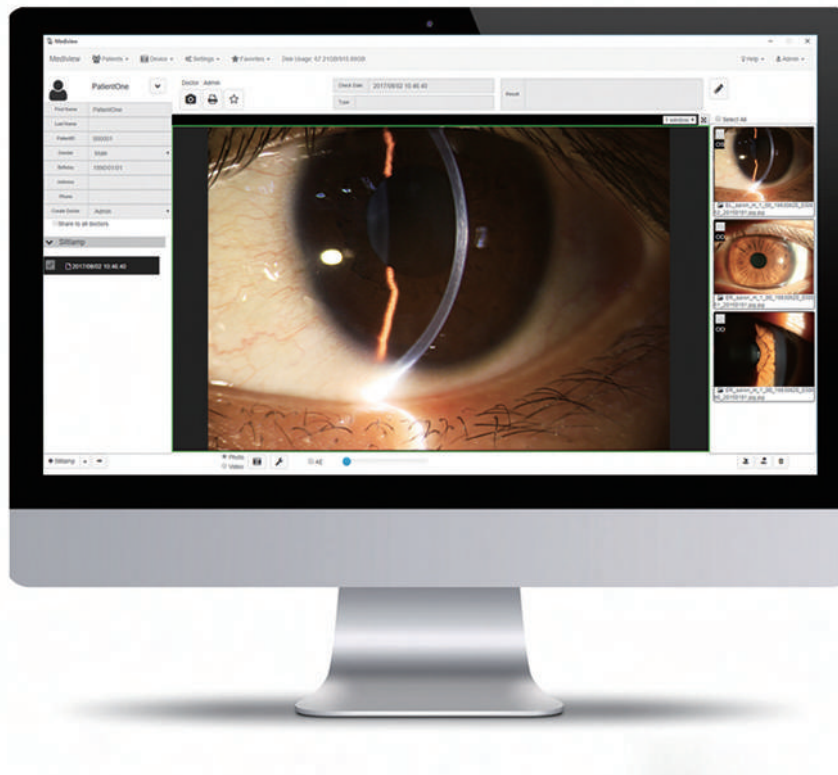
Adjustable Aperture

The aperture can be adjusted between 6 different levels to adjust depth of field and brightness demands.



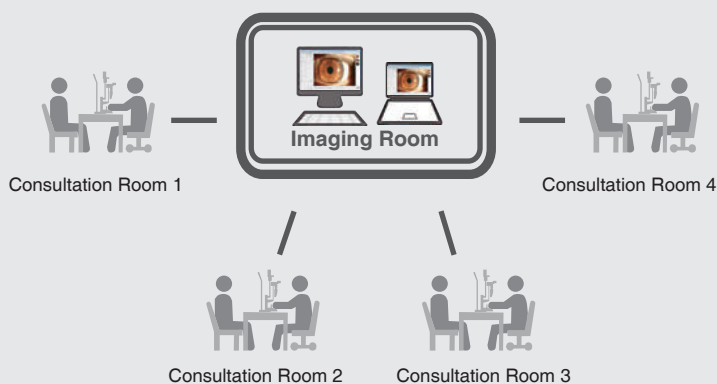
Mediview Software

Driving patient compliance and retention through education.



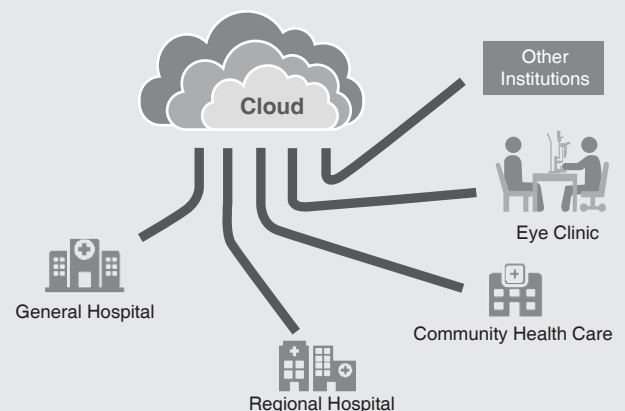
Mediview is the image management system to help clinicians manage patient records and images captured by Firefly. By showing patients the anterior segment images and pointing out pathologies, clinicians can educate patients and gain their trust. In this case, both patient satisfaction and retention are improved.

• Clinic Mode



In clinic mode, there is one admin account which is capable of setting up and managing several user accounts. The images and diagnostic records can be shared via Local Area Network (LAN).

• Telemedicine Mode



In telemedicine mode, the images and data are stored on a cloud server. Like clinic mode, the admin account can set up and manage user accounts. As long as the user has access to internet, they can review images and records at any place, anytime.

Software Features

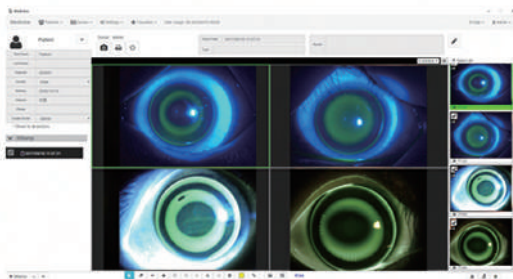
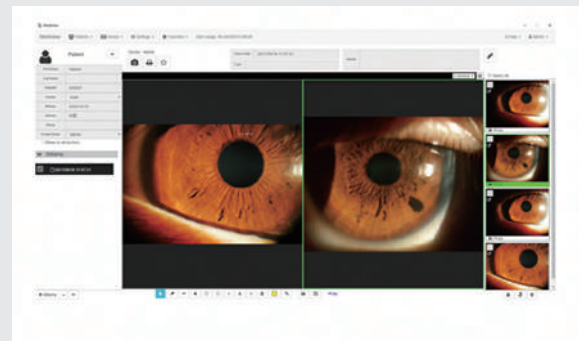


Convenient Patient Management

The patient management system enables clinicians to build and edit patient record, search information by inputting keywords. Clinicians can easily record symptoms and manage the data all the time. The software supports DICOM which makes the images captured by Firefly be easily integrated into hospital's medical system.

Functional Image Analysis

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

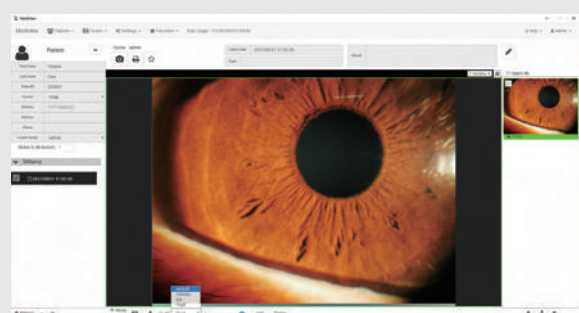


Orthokeratology Lens Fitting Assistance

The optometrists can capture and record high resolution fluorescein images of lens fitting and real-time video without a recording time limit. By comparing the different lens fitting effects, the optometrist can show and educate patients which lens is most suitable for them.

Customized Auto Exposure Value Setting

Clinicians can customize auto exposure values according to the image demand and save as templates for future capturing purpose. Also, the printing report can be customized according to clinician's needs.





Coaxial Illuminator

The new LED illuminator is positioned coaxially to the microscope. It provides an adjustable circular beam of light to enhance the digital capturing effect.

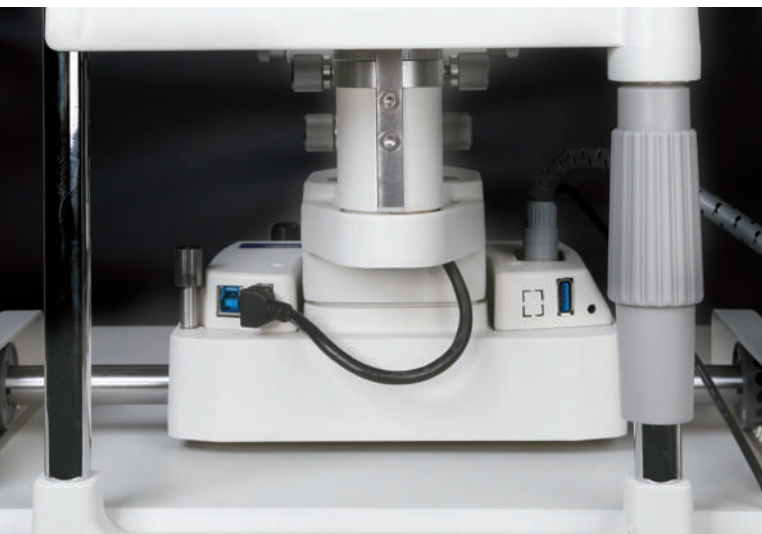


Easier Installation

Our compact control panel with built-in power supply makes it much easier to install the slit lamp especially when installing the slit lamp on an ophthalmic unit. The users do not need to find place to install the chunky power box.

Quick Capture Button

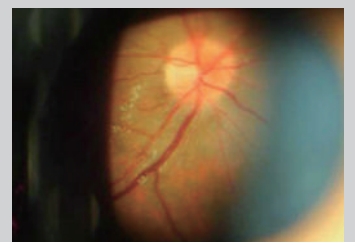
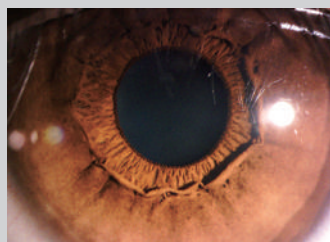
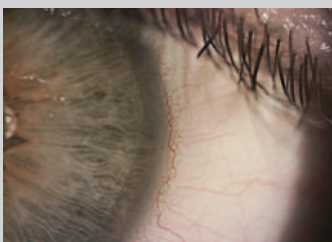
There is a quick button on the control panel that enables doctors to shoot photos conveniently. Once they observe the suitable image to describe pathology, just press the capture button and the image will be recorded.



Fewer Cables with Extra USB port

When applying the new control panel, there will be fewer cables exposed outside. Extra USB port is provided to charge another medical device.

Image Gallery



Specification

Microscope	S390L/S3900H
Microscope Type	Galilean Type
Magnification Change	Revolving Drum(5 or 3 steps)
Total Magnification	6X, 10X, 16X, 25X, 40X
Eyeieces	12.5X
Angle between Eyepieces	13°
Pupillary Adjustment	52mm-78mm
Diopter Adjustment	± 6D
Field of View	Ø34.7mm, Ø22mm, Ø13.5mm, Ø8.5mm, Ø5.5mm
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	3V LED Module (S390L) ; 6V/20W Halogen Lamp (S3900H)
Luminance	≥ 60KLX (S390L) ; ≥ 50KLX (S3900H)
Power Supply	
Input Voltage	220V/110V~ ±10%
Input Frequency	50Hz/60Hz
Power Consumption	10VA (S390L) ; 30VA (S3900H)
Output Voltage	Lamp 6V, Fixation 3V
Packaging	
Dimension	770mm x 470mm x 570mm(L/W/H)
Gross weight	26kg
Net weight	18kg
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	Auto Focus
Exposure Mode	Automatic exposure, Automatic gain
Transmission Interface	USB 2.0 High-Speed 480 Mbps Port



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