



Firefly

**Slit Lamp Microscope
S390L (Firefly)**

Simply Capture Every Key Moment



Simple Design + Simple Operation

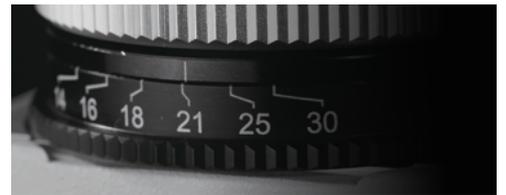
The design was inspired from the shape of firefly. The smart design largely saves space for clinicians compared other bulky camera systems. We have preset many camera parameters so the user does not need to adjust settings before using the device. The user can operate the machine immediately once the 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.





Optical resolution increased by 40%

High-quality optical microscope with extraordinary resolution to meet doctors' higher optical quality requirements for better accuracy and safe diagnostic results



Built-in yellow filter



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.



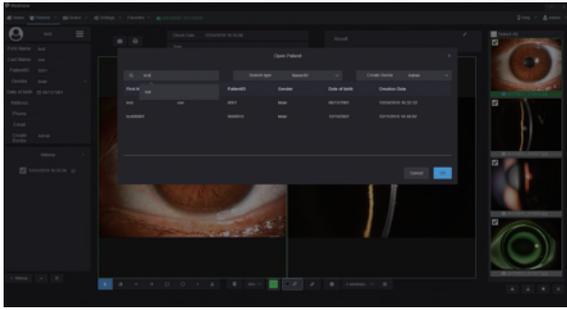
Easier Installation

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.

Software Features

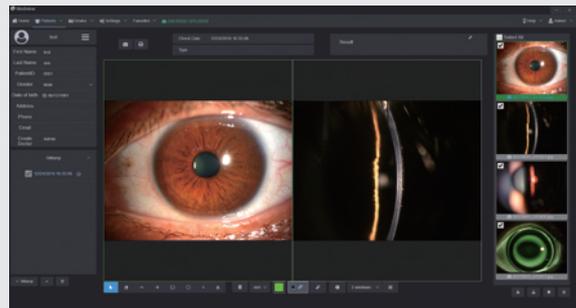


Convenient Patient Management

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.

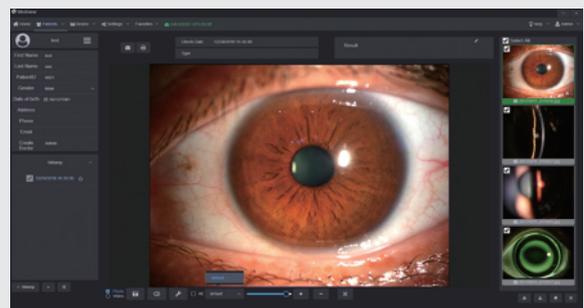


Orthokeratology Lens Fitting Assistance

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.



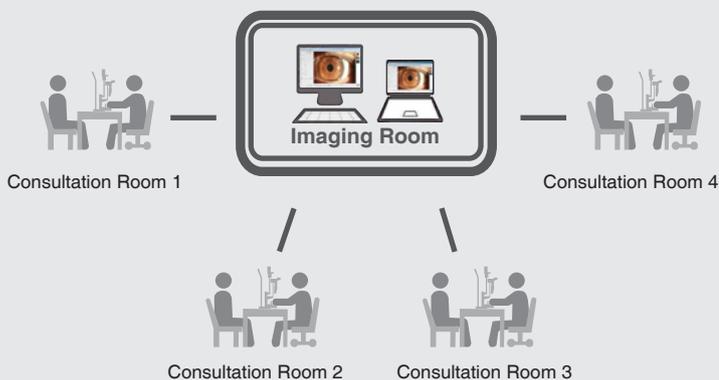
Mediview Software

Driving patient compliance and retention through education.



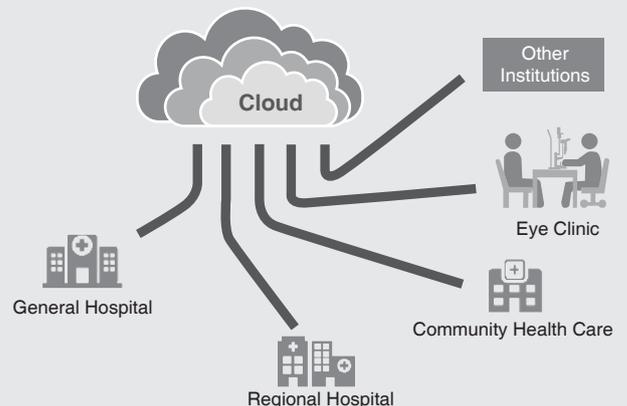
Mediview is the image management system to help clinicians manage patient records and images captured by Firefly. By showing patients the anterior segment images and pointing out pathologies, clinicians can educate patients and gain their trust. In this case, both patient satisfaction and retention are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

Specifications

Microscope

| | |
|-------------------------|---|
| Microscope Type | Galilean Type |
| Magnification Change | Revolving Drum 5 steps |
| Total Magnification | 6.3X, 10X, 16X, 25X, 40X |
| Eyepieces | 12.5X |
| Angle between Eyepieces | 10° |
| Pupillary Adjustment | 52mm-80mm |
| Diopter Adjustment | -8D~+8D |
| Field of View | Ø36.2mm, Ø22.3mm, Ø14mm, Ø8.9mm, Ø5.7mm |

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, Yellow filter built-in |
| Lamp | 3V LED Module |
| Luminance | ≥ 150KLX |

Power Supply

| | |
|-----------------|----------------------|
| Input Voltage | 100V~240V |
| Input Frequency | 50Hz/60Hz |
| Rated current | 1.2A |
| Output Voltage | 3V LED, Fixation 15V |

Packaging

| | |
|--------------|------------------------------|
| Dimension | 770mm x 470mm x 570mm(L/W/H) |
| Gross weight | 23kg |
| Net weight | 17kg |

System Specifications

| | |
|------------------------|--------------------|
| Image Sensor | 5.0M Pixels |
| Photo Resolution | 2592 x 1944 |
| Format | JPEG |
| Video Resolution | 2592 x 1944 |
| Frame of Video | 25fps |
| Video Formats | MP4 H.264 |
| Exposure Mode | Automatic exposure |
| Transmission Interface | USB 3.0 TYPE-C |

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