



Slit Lamp Microscope  
**S390L (Firefly WDR)**

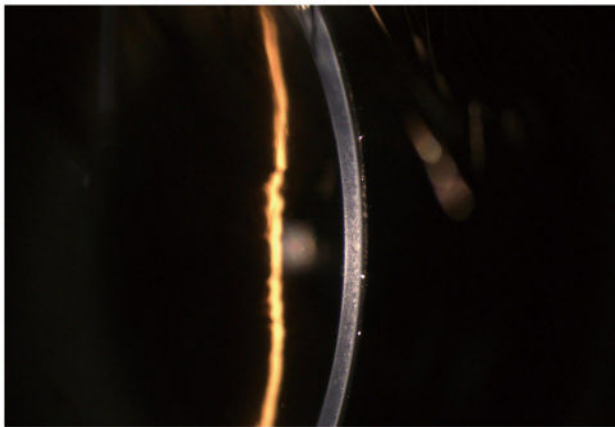
**NEW** ★ **UPGRADE**



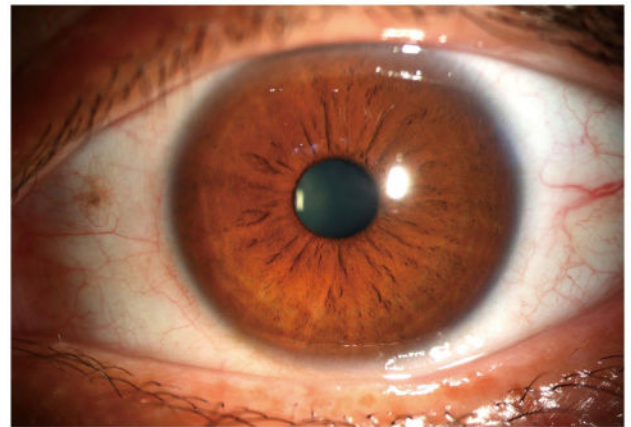
## Simple Design + Simple Operation

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:

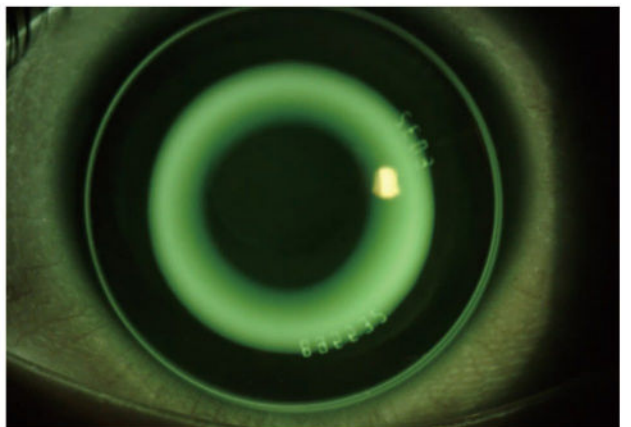
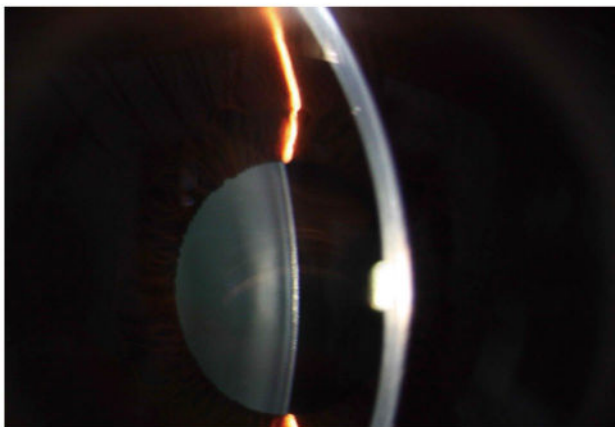
- Wide Dynamic Range
- Meibomian Glands Examination
- Auto Exposure
- Auto Gain
- Auto White Balance
- Auto OS/OD Indicator



High sensitivity. The slit is still clear and sharp under weak light.



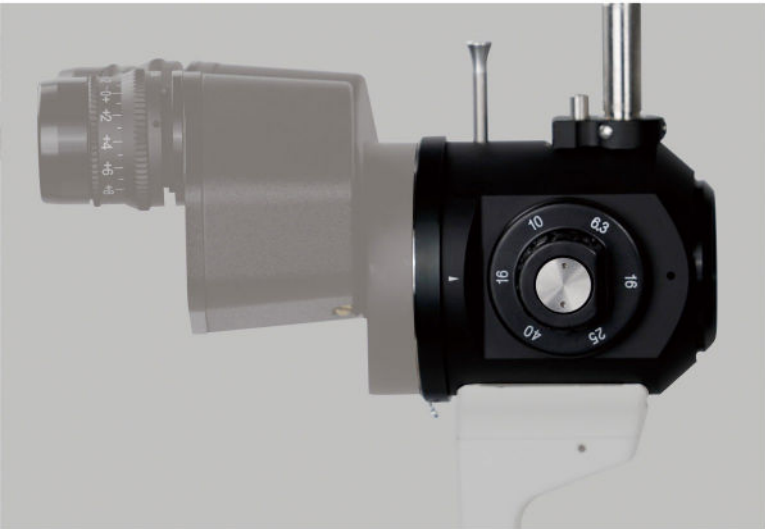
Wide dynamic range. Iris and sclera images are simultaneously clearly presented with more realistic and evenly distributed color





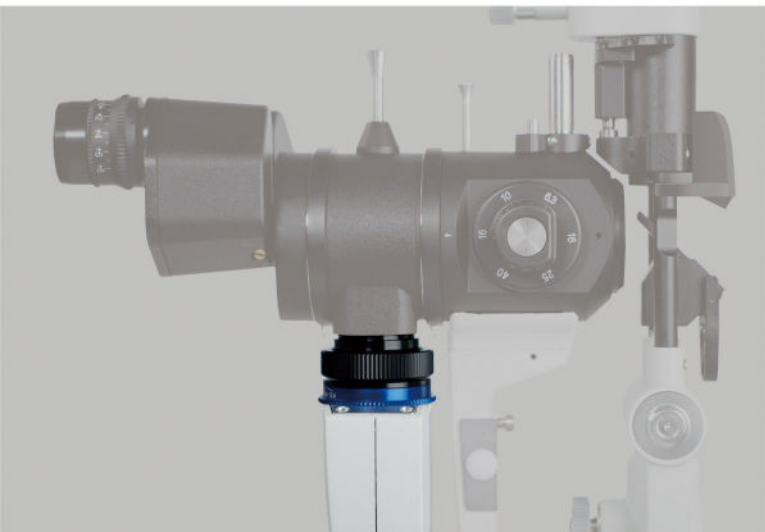
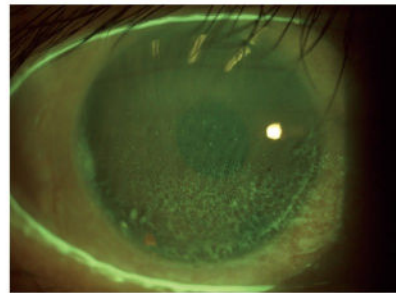
## HD Optical System

Optical resolution is up to 2700·N lp/mm(200 lp/mm) , providing more details of the pathologies.



## Built-in Yellow Filter

Built-in yellow filter along with cobalt-blue filter increases the contrast of Sodium Fluorescein Staining image. Increase positive rate of early corneal epithelial staining.



## The Meibomian glands examination



1/1.8" Sensor



1/4" Sensor

2592 x 1944



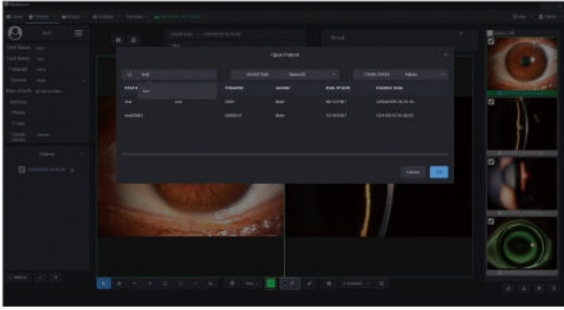
1280 x 960

25fps



12fps

# Software Features

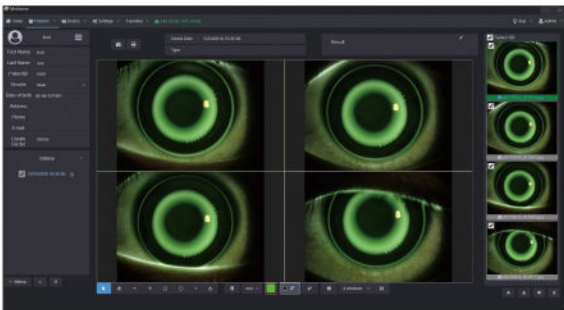
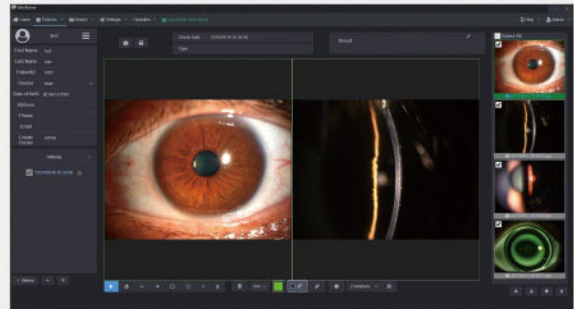


## Convenient Patient Management

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.

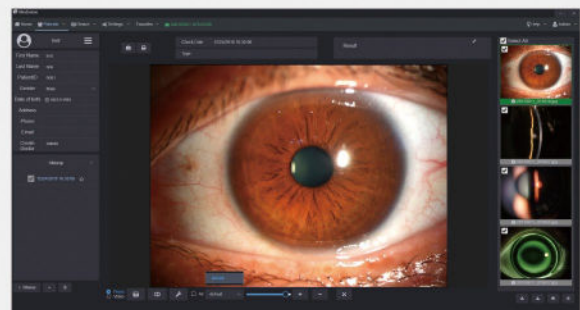


## Orthokeratology Lens Fitting Assistance

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.

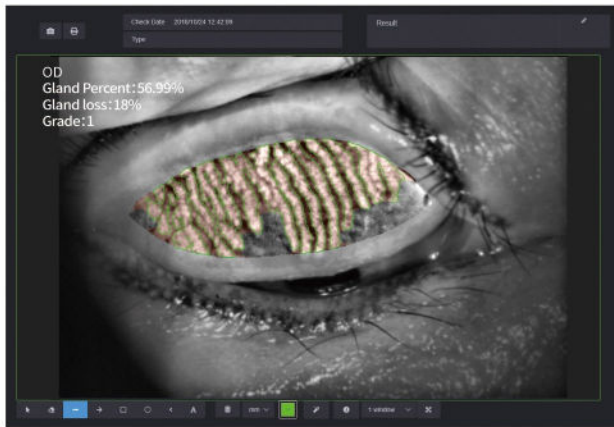
## Customized Auto Exposure Value Setting

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.



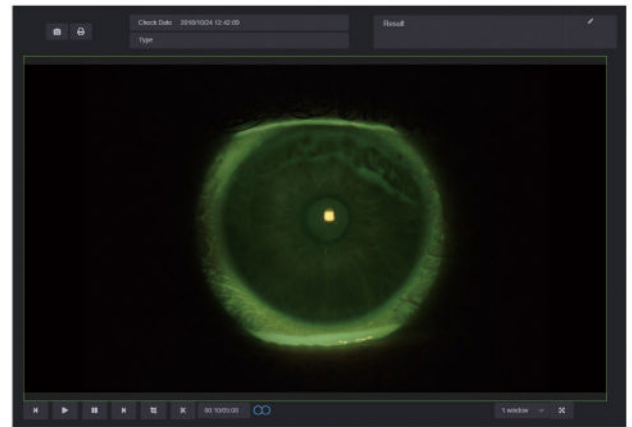


## The Most Effective Tools for Dry Eye



### Meibomian Gland Observation

Built-in infrared light source allows the doctor to accurately judge the absence of the meibomian glands.



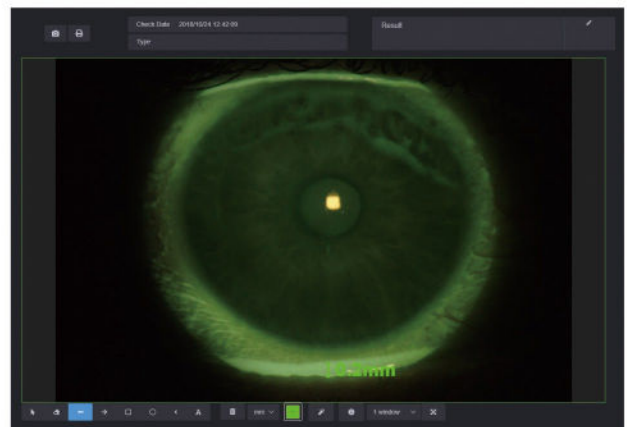
### Tear Film Break-up Time

High-performance digital module, doctors can get the tear film break-up time and judge the stability of it by high-resolution video recording.



### Red Eyes Analysis and Keratopathy Exposure

With a built-in yellow filter, doctors can accurately analyze eye surface damage and inflammation images.



### Tear Meniscus Height

Doctors can obtain tear meniscus height by using measuring function in the Mediview software, and effectively evaluate tear meniscus height.

# Specifications

<b>Microscope</b>	<b>S390L (Firefly WDR)</b>
Microscope Type	Galilean Type
Magnification Change	Revolving Drum 5 steps
Total Magnification	6.3X, 10X, 16X, 25X, 40X
Optical Resolution	2700·N lp/mm (200 lp/mm)
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, Built-in yellow filter
Lamp	LED
Luminance	≥150klx

## Power Supply

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

## Packaging

Dimension	740mm x 450mm x 530mm(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

## Computer Specifications

PC configuration	i5-10500T 8G memory 25GB SSD+1TB storage
Display	1920×1080 23.8inch
PC system	Windows 10



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