Zeiss Type Slit Lamp With Video System

SLD6L

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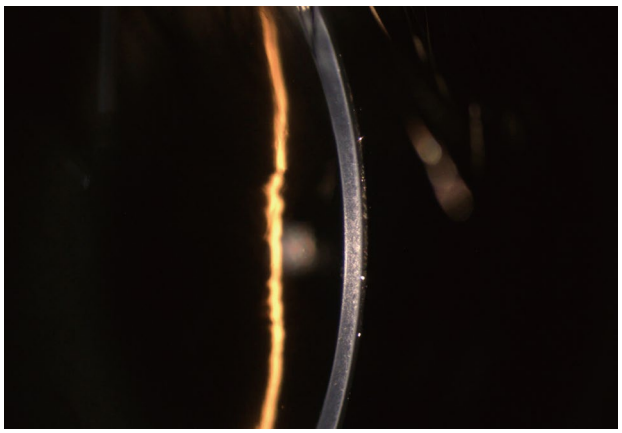
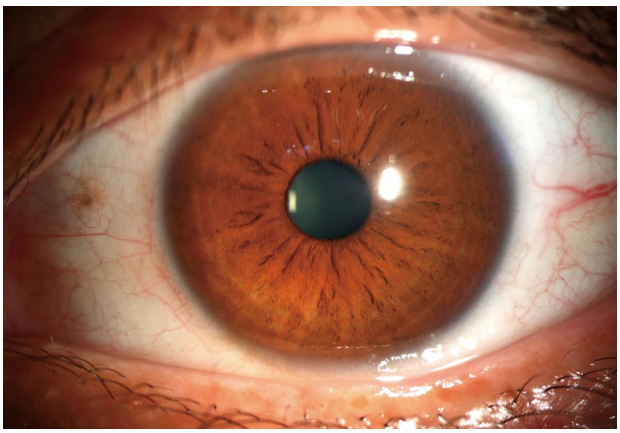
Simple Design + Simple Operation

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 software:

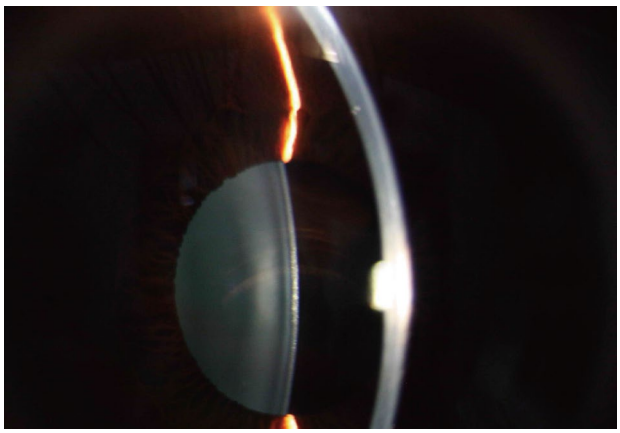
Wide Dynamic Range
Auto Exposure
Auto Gain
Auto White Balance
Auto OD/OS Indicator

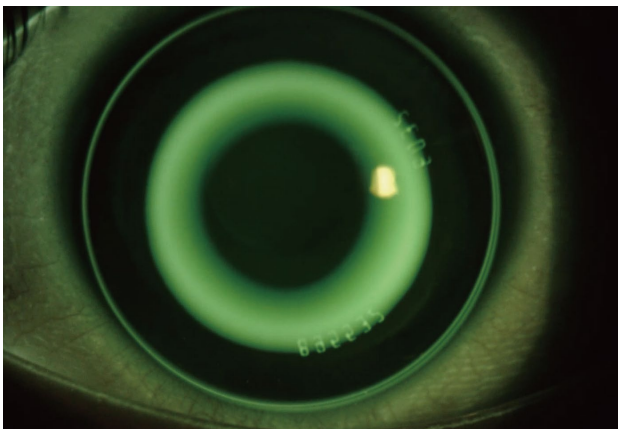


High sensitivity. The slit is still clear and sharp under weak light.



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





HD Optical System

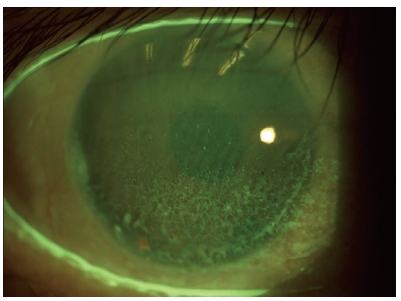
Optical resolution is up to 2700·N lp/mm（200 lp/mm），providing more details of the pathologies.

LED Illumination

The light of LED lamp is very similar to halogen lamp, which conforms to the operating habit of doctors. The LED lamp applied has a low color temperature and high illumination intensity, making view of retina without glare-colors much more vivid and view of cornea with nerves pop out better. The LED lamp has a longer life span and consumes less energy.

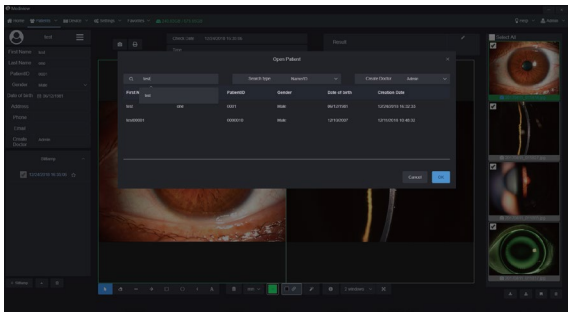
Built-in Yellow Filter

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



1/2.5” Sensor　　2592 x 1944 / 4056 x 3040　　≥ 25fps

Software Features

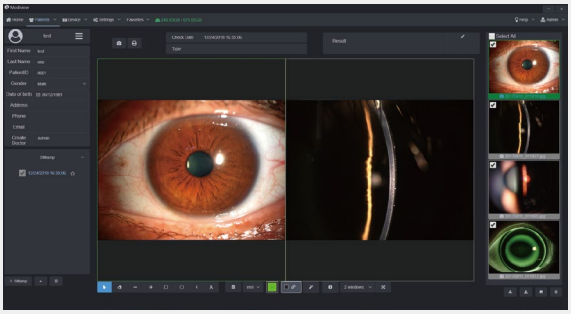


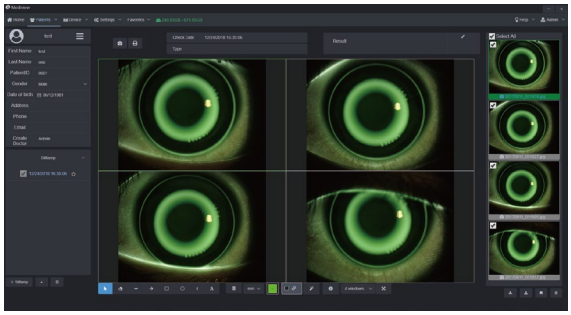
Convenient Patient Management

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.



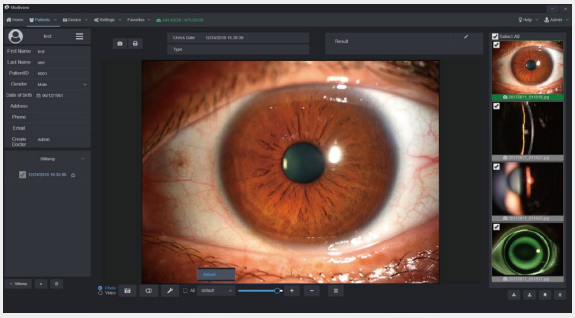


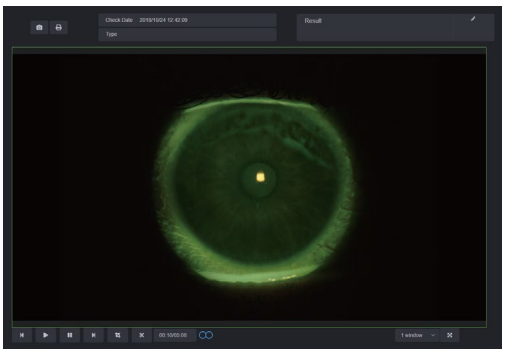
Orthokeratology Lens Fitting Assistance

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

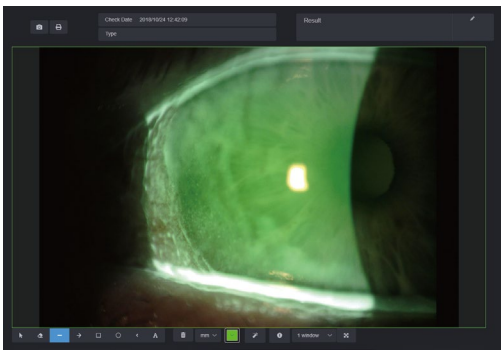
Clinicians can customize auto exposure values according to the image demand and save as templates for future capturing purpose.
Also, the printing report can be customized according to clinician's needs.





Tear Film Breakup Time

High-performance digital module, doctors can get the tear film Breakup 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.

Optional Accessories

Metal Plate
(work with refraction units)

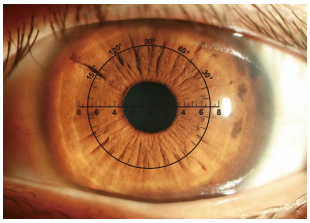
When placing a slit lamp on a refraction unit, it is suggested to use metal plate for easier installation. With smart size design, it is easy to move the whole suite of slit lamp from one refraction unit to another without drilling any screw holes on the table tops.

Instrument Stand Pin
(work with US style instrument stand)

This instrument stand pin is specially designed to install slit lamps onto US style instrument stands. The diameter of the joint pin is 19mm, compatible with most of the instrument stands. With this pin the slit lamp table top can be installed to the lower slit lamp arm of instrument stand.

Measuring Eyepiece

Equipped with a reticle inside, the eyepiece has a measuring function which can facilitate doctors to measure the pathologies conveniently and give more accurate diagnosis.



Observation Tube

Connected through beam splitter, the observation tube enable another medical staff to observe the patient's eye condition from the slit lamp. It is good for teaching education purpose.

Specifications

	SLD6L
Microscope Type	Galilean Type
Magnification Change	Revolving drum 5 steps
Total Magnification	6.3 x, 10 x, 16 x, 25 x, 40 x
Eyepieces	12.5 x
Angle between Eyepieces	10°
Pupillary Adjustment	52 mm - 80 mm
Diopter Adjustment	-8 D - +8 D
Field of View	Ø36.2 mm, Ø22.3 mm, Ø14 mm, Ø8.9 mm, Ø5.7 mm

Slit Illumination

Slit Width	0 ~ 14 mm continuous (slit becomes a circle at 14 mm)
Slit Length	1 ~ 14 mm continuous
Aperture Diameters	Ø14 mm, Ø8 mm, Ø3.5 mm, Ø0.2 mm
Slit Angle	0°~180°
Filters	Heat-absorbing filter, Red-free filter, Cobalt blue filter, Built-in yellow filter
Lamp	LED
Luminance	≥150 klx

Power Supply

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

Packaging

Dimension	740 mm x 450 mm x 530 mm(L/W/H)
Gross weight	22 kg
Net weight	16 kg

System Specifications

Image Sensor	12M Pixels
Photo Resolution	2592 x 1944 / 4056 x 3040
Format	JPEG
Video Resolution	2592 x 1944
Frame of Video	≥ 25 fps
Video Formats	MP4 H.264
Exposure Mode	Automatic exposure
Transmission Interface	USB