MediWorks®

Slit Lamp Microscope
# S390L (Firefly WDR)

NEW ★
UPGRADE

Firefly WDR

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:
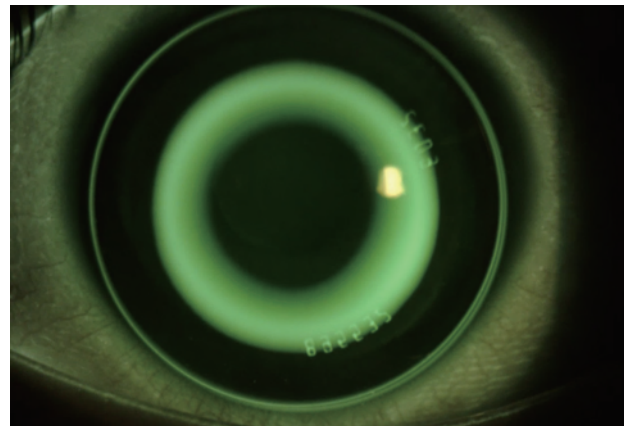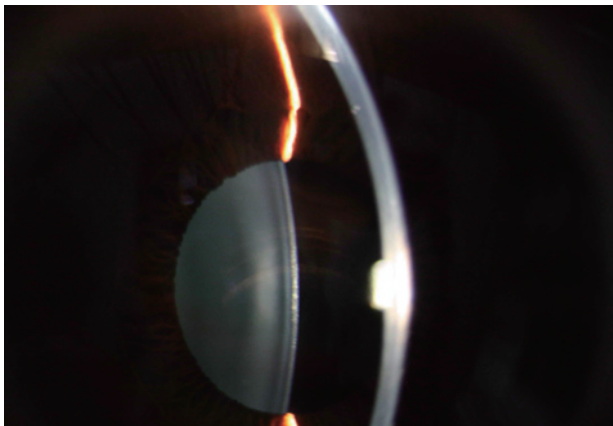
Wide Dynamic Range
Meibomian Glands Examination
Auto Exposure
Auto Gain
Auto White Balance
Auto OS/OD Indicator
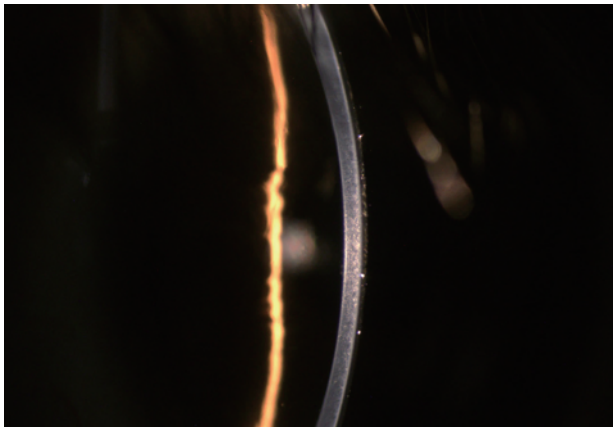
High sensitivity. The slit is still clear and sharp under weak light.
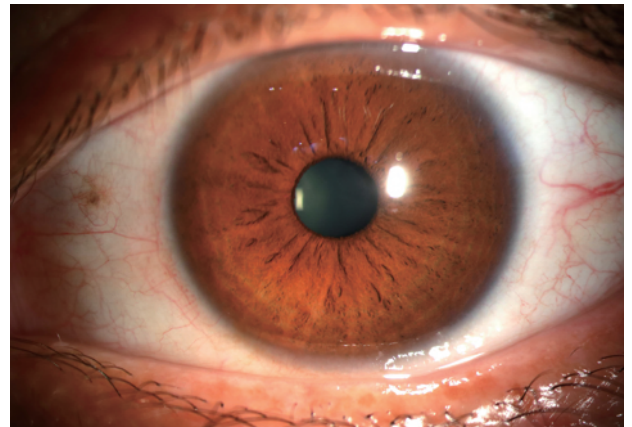
Wide dynamic range. Iris and sclera images are simultaneously clearly presented with more realistic and evenly distributed color
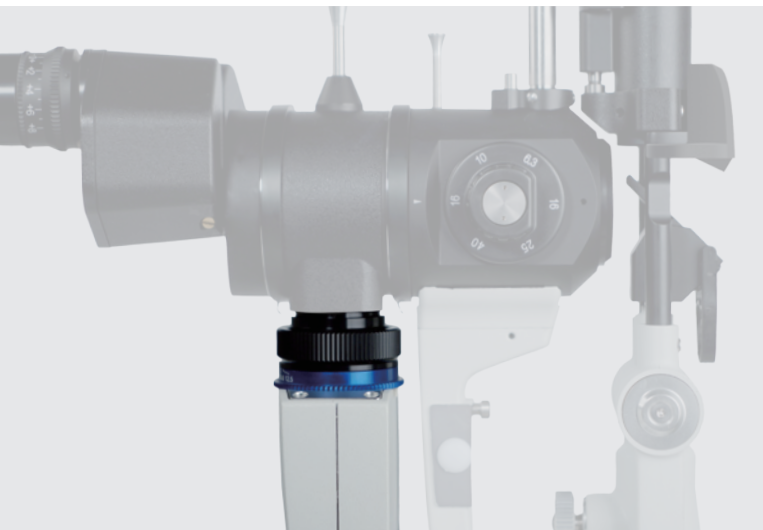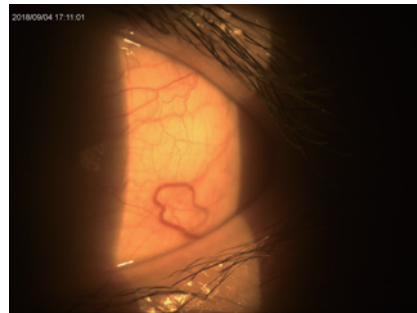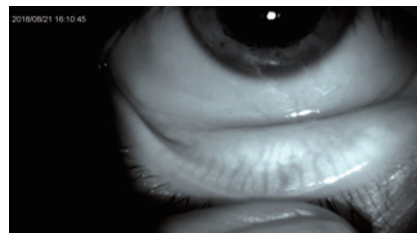
Optical resolution increased by 40%

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

The Meibomian glands examination

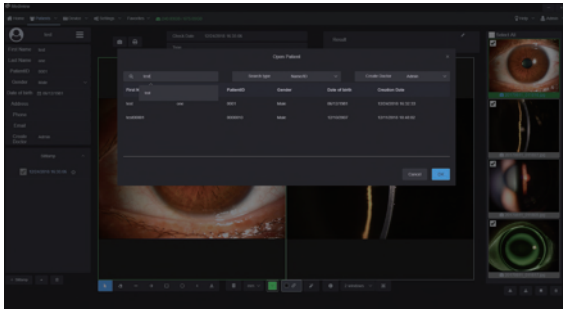| 1/1.8" Sensor	2592 x 1944	25fps
1/4" Sensor	1280 x 960	12fps

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.
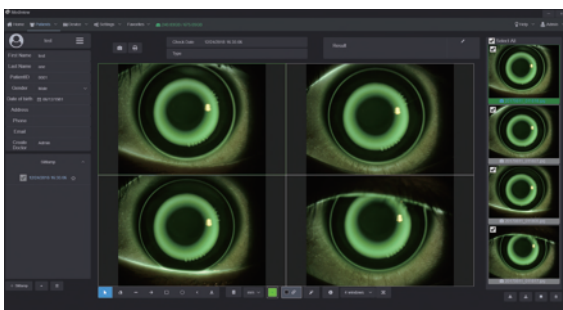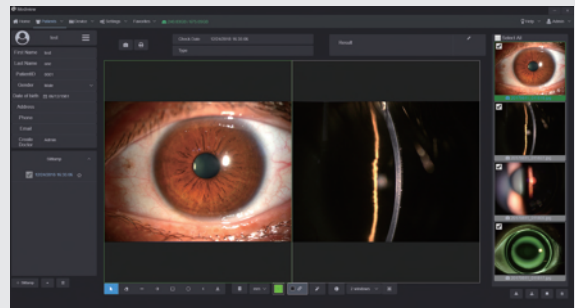

Orthokeratology Lens Fitting Assistance

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.
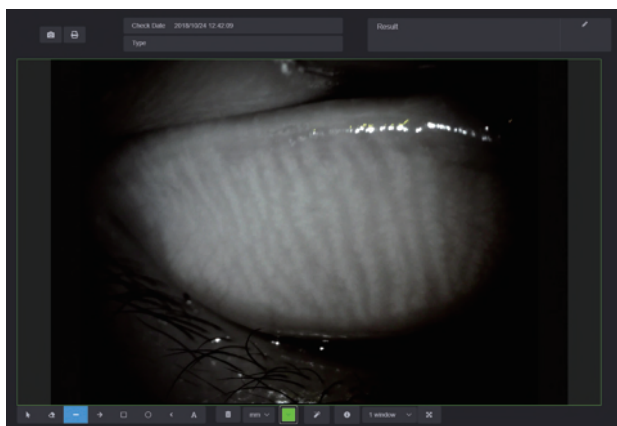
Customized Auto Exposure Value Setting

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.
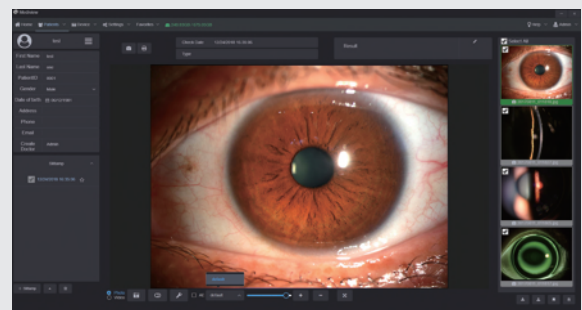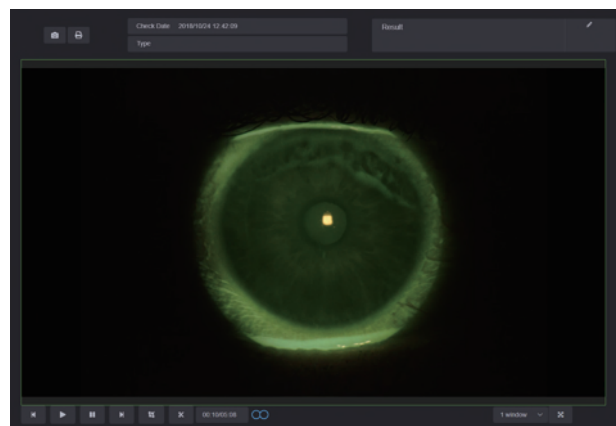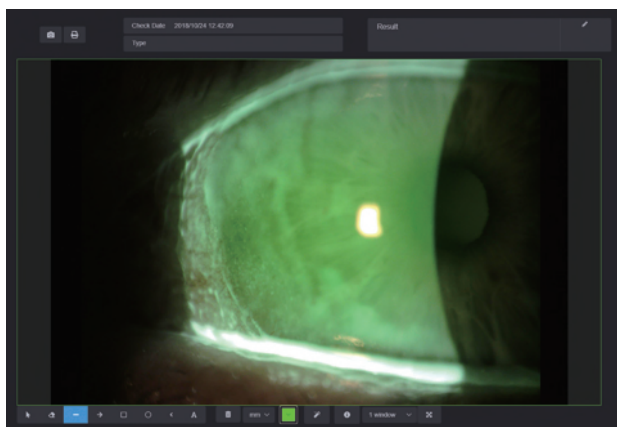
The Most Effective Tools for Dry Eye

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.
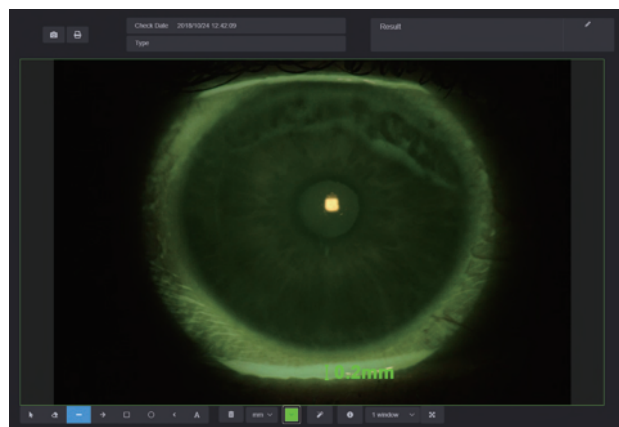
Tear Meniscus Height

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

Specifications

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	110V~220V
Input Frequency	50Hz/60Hz
Power Consumption	90VA
Output Voltage	3V LED, Fixation 5V

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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Details Make the **Difference**