

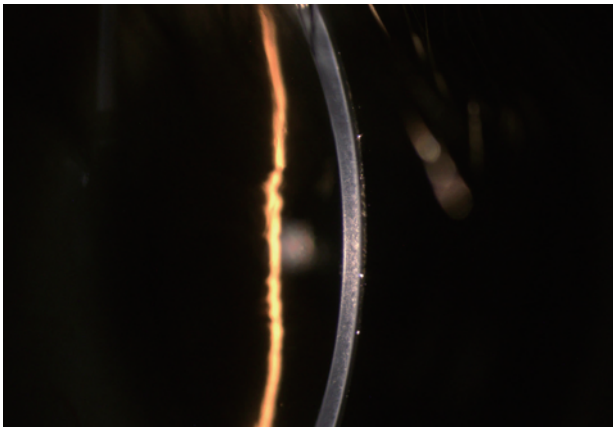
S390L WDR Digital Slit Lamp



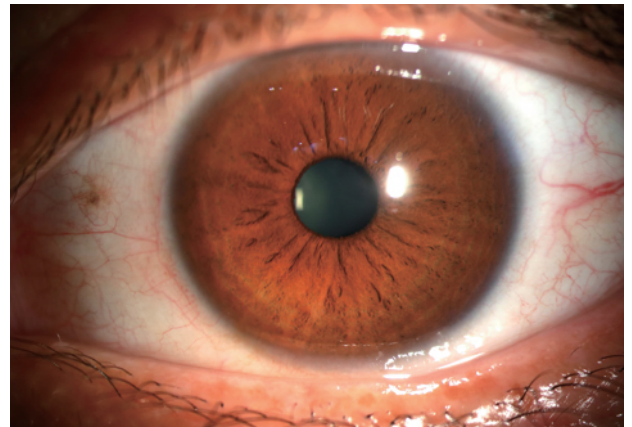
Simple design + Simple operation

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:

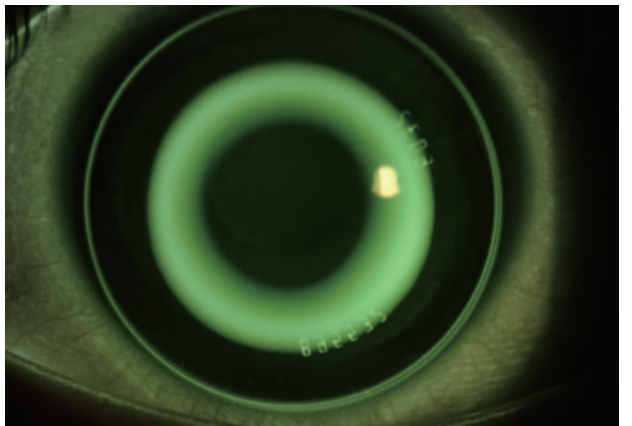
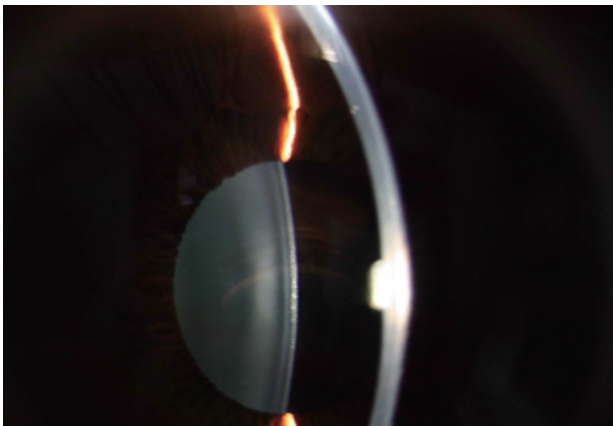
- Wide dynamic range
- Meibomian glands examination
- Auto exposure
- Auto gain
- Auto white balance
- Auto OS/OD indicator



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





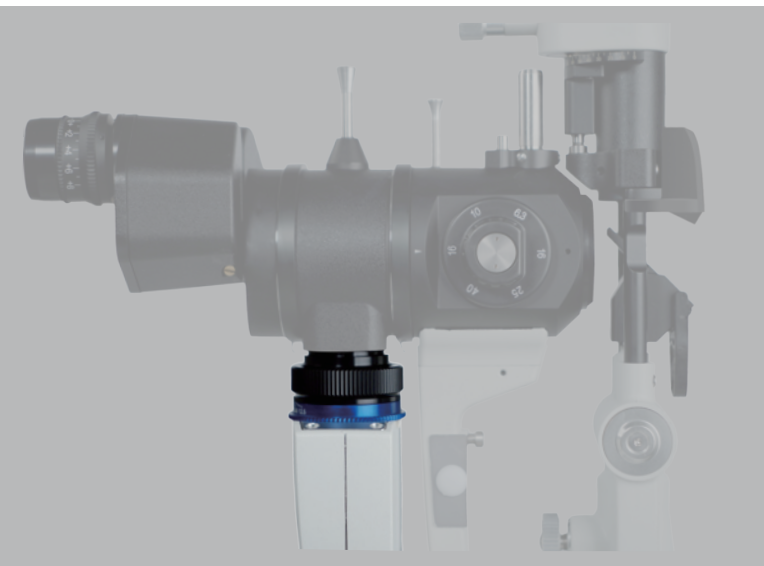
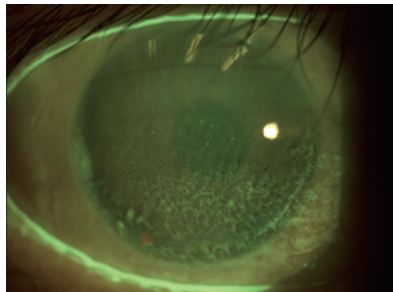
HD optical system

Optical resolution is up to 200 lp/mm(2700-N 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.

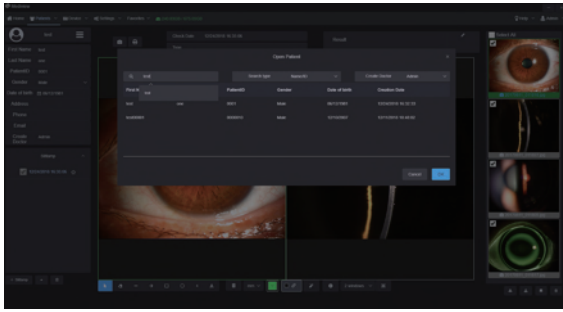


Meibomian glands examination

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



Software features

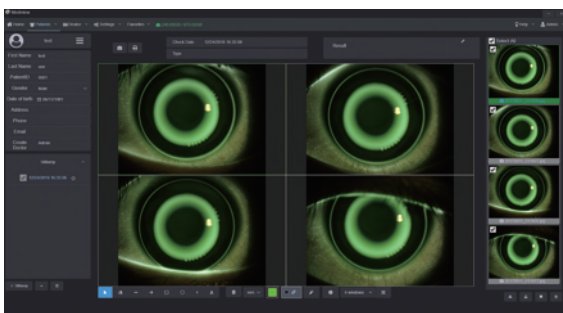
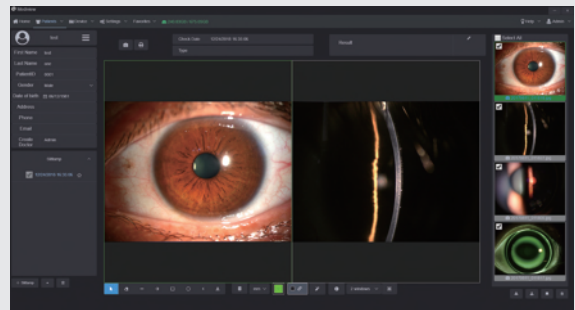


Convenient patient management

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 S390 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.

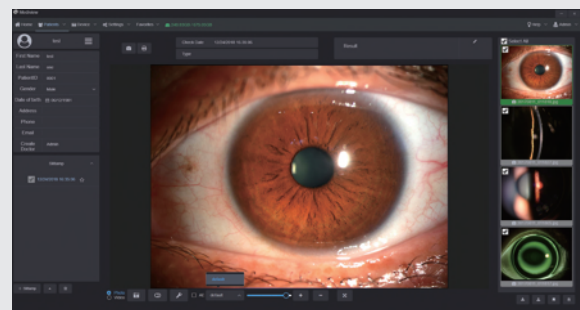


Orthokeratology lens fitting assistance

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.

Customised auto exposure value setting

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



Specifications

Microscope

| | |
|-------------------------|---|
| 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 |



Available in the UK from Grafton Optical.
Unit 7 River Park Industrial Estate, Billet Lane,
Berkhamsted, Hertfordshire, HP4 1HL

sales@graftonoptical.com
graftonoptical.com
01923 233 980