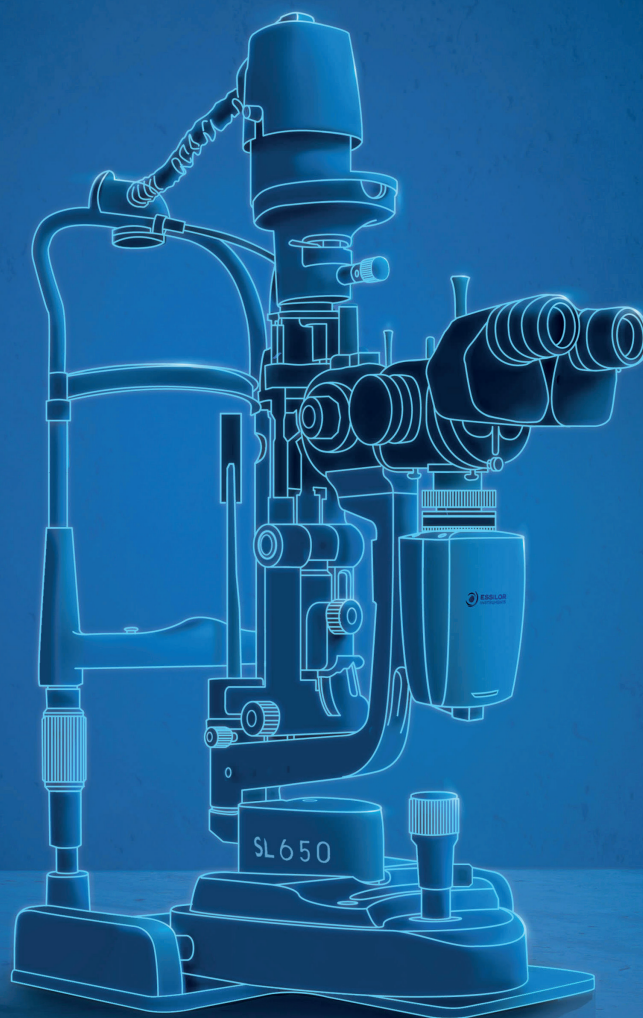


SUPERIOR IMAGE QUALITY. SIMPLY CAPTURED.  
OUTSTANDING PATIENT MANAGEMENT



**SL 650 / SL 650<sup>+</sup>**

DIGITAL SLIT LAMPS



**ESSILOR**  
INSTRUMENTS



# SL 650 / SL 650<sup>+</sup>

Enhance the eye exams and patient management with the SL650 digital slit lamp by easily taking high-resolution images and videos to facilitate diagnosis and monitoring over time. Thanks to its smart design and powerful software, you can now analyze and compare multiple images of the anterior and posterior chamber, monitor functional signs and examine the patient's Meibomian glands. A complete and hasslefree eye assessment that you can also share with your patients. Upgrade to the SL650+ for complete dry eye diagnostic capacities.

## BETTER IMAGE QUALITY, FACILITATED DIAGNOSIS

The HD digital optical system maximizes the accuracy and precision of your eye assessment, capturing high quality images and videos that help build patient trust.

## PATIENT MANAGEMENT, OPTIMIZED

Anaeyes SL software allows an easy creation and edit of patients by capturing images and video for recording evolution over time. Making it simple to share results with patients.

## ERGONOMIC AND SMART

Its compact design makes it practical and comfortable for you and your patients, while integrated yellow and cobalt blue filters for high resolution fluorescein images make contact lens fittings simple

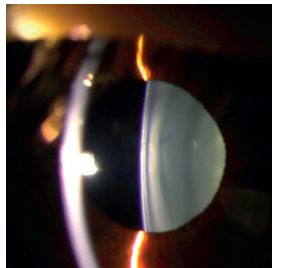


## 1 IMPROVED IMAGE QUALITY AND FACILITATED DIAGNOSIS

- Maximize accuracy and comfort with a high quality optics
- HD digital system records all details in high-resolution image and video for precise and detailed assessment
- Integrated yellow and blue-cobalt filters provide high contrast fluorescein images for easy & accurate contact lens fitting

## 2 DIGITALLY OPTIMIZED PATIENT MANAGEMENT

- Integrated Anaeyes SL software and DICOM support mean easy patient management, from the creation of patient to follow up over time
- Easily record and share high-quality images with patients
- Clear results help educate patients and build trust



## 3 SIMPLIFIED ERGONOMICS, ENHANCED ANALYSIS

- Automatic functions, easy installation and built-in power supply
- An advanced integrated infrared system to assess meibography
- Measure pathology, edit image settings, compare multiple pictures and follow-up patient

## 4 UPGRADE EASILY TO THE SL650+ FOR A COMPLETE DRY EYE REPORT

- 5 comprehensive and non-invasive tests for a complete dry eye assessment, including: meibography, NIBUT (Non Invasive Break Up Time), eye redness analysis, tear meniscus height, and Lipid layer thickness
- Advanced software and AI-powered identification system conduct accurate analysis of imaging
- Generate and share a complete Dry Eye Report with patients



# SPECIFICATIONS

## DRY EYE MODULE

### AI non-invasive tear break up time

AI identify the break-up area  
Automatic first break up time  
Automatic average break up time  
Visible light Placido ring projection(23 ring)

### AI Meibomian glands function

Evaluation  
AI identify Meibomian glands  
Automatic Meibomian glands loss classification

### Eyelid Margin

Optical magnification  
Electronic amplification

### AI non-invasive tear meniscus height

AI identification system  
Automatic non-invasive tear meniscus height  
Optical magnification  
Electronic amplification

### Lipid layer thickness

Template comparison evaluation  
Visible light White ring projection system

### Dry eye examination report

Automatic analysis report

### AI conjunctival hyperemia analysis

AI identification system  
Automatic conjunctival congestion percentages  
Automatic ciliary congestions percentages

### Cornea sodium fluorescein staining

Eye surface damage report  
Built-in yellow filter  
Cobalt blue filter

## 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

## 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

Digital module	Automatic exposure/Automatic white balance/ Adjustable depth of field and aperture
Image sensor	1/1.8-inch sensor/ 2.4µm pixel/ 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
Software	Anaeyes SL

## COMPUTER SPECIFICATIONS

PC configuration	i5-10500T 8G memory 250GB SSD+1TB storage
Display	1920x1080 23.8 inch
PC system	Windows 10 / Windows 11

## 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



This is a medical device EU MDR class I. Legal manufacturer : Shanghai Mediworks Precision Instruments Co.,Ltd.  
For professional use only. Read attentively instructions for use.



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