

SLM-3ER-E Digital Slit Lamp



**Infrared Imaging And
Quantitative Analysis Of Meibomian Glands**

Upgraded Version

	Resolution (Line Pair/mm) $\geq 2300 \cdot N$	※
Optical	High sensitivity	※
	High eye point eyepiece	※
	Magnification $6.3 \times 10 \times 16 \times 25 \times 40 \times$	※
Illumination	LED (Infrared light)	※
	Slit width 0~14mm	※
	Slit length 1~14mm	※
	Slit angle $0^{\circ} \sim 180^{\circ}$	※
	Illumination angle $5^{\circ} 10^{\circ} 15^{\circ} 20^{\circ}$	※
	Aperture diameter $\Phi 0.2 \sim 14\text{mm}$	※
	Heat Absorption, Redfree, Cobalt blue	※
	Five-color cobalt blue filter combination	※
	Contrast enhancement filter	※
	24 Megapixels DSLR camera	※
Digital	Automatic exposure	※
	Automatic optimization	※
	Automatic eye position recognition	※
	Coaxial background light	※
	1080P dynamic video	※
	Quantitative Analysis Of Meibomian Glands	Infrared Imaging Of Meibomian Glands, And Quantitative Analysis missing degree
	white-to-white diameter measurement	※
other	pupillometry measurement	※
	Lesion area measurement	※



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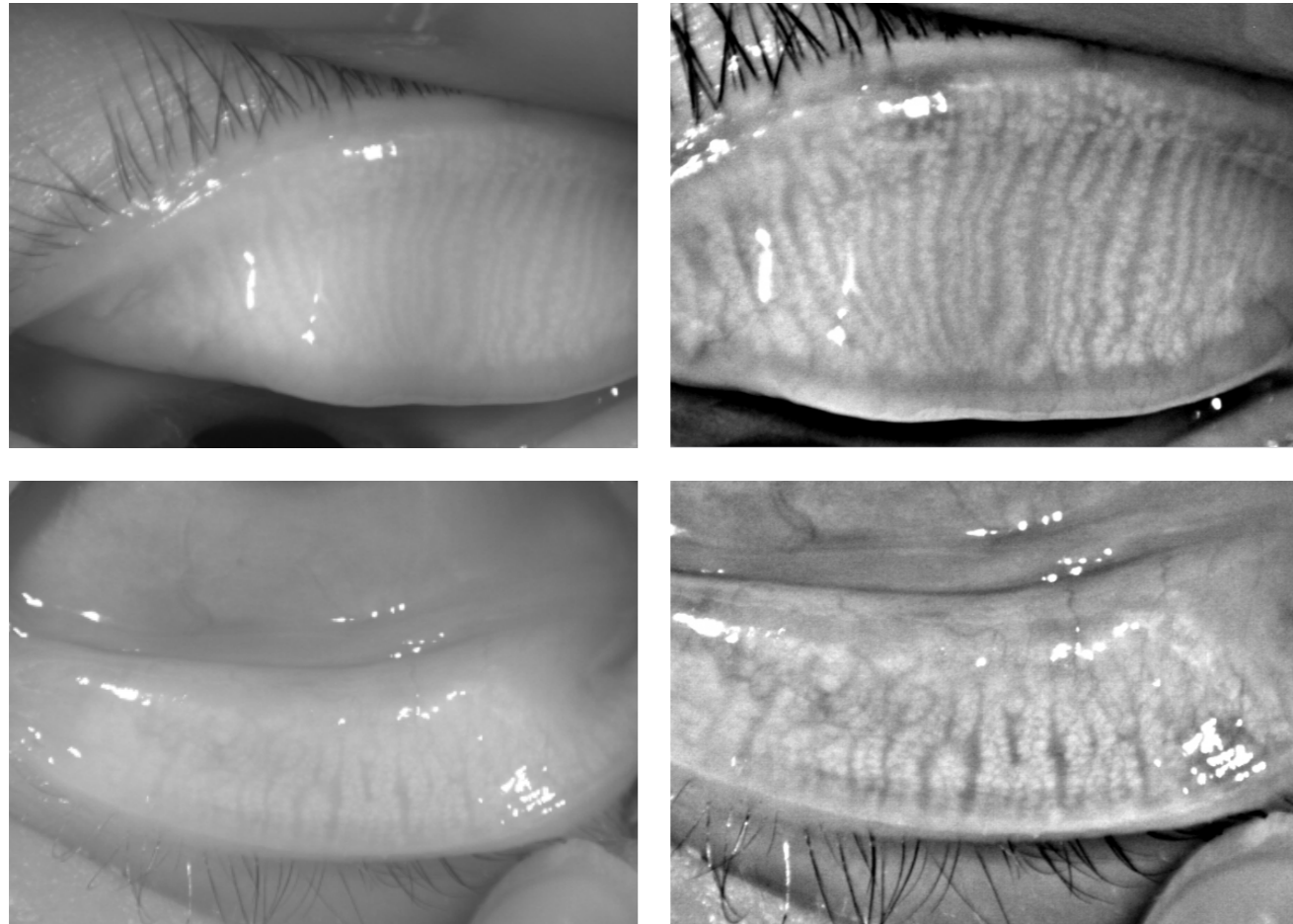
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Company Website

Meibomian gland dysfunction (MGD) is the main cause of dry eye syndrome due to abnormal tear film lipid layer. It is characterized by terminal duct obstruction and/or qualitative/quantitative changes in the glandular secretion.

MGD causes tears to evaporate too quickly, and tear permeability increases, causing ocular surface inflammation, epithelial damage and discomfort.



Infrared imaging of the meibomian gland is a quick and comfortable method for detecting the meibomian glands. It is the only non-invasive technique in the clinic to observe the meibomian glands.

The SLM-3ER-E upgraded version combines digital slit lamp microscope with meibomian gland infrared imaging to quickly and efficiently diagnose evaporative dry eye syndrome through high-resolution meibomian gland images, providing strong support for doctor-patient communication.

- ※ Optical zoom magnification of the meibomian glands
- ※ Automatic/manual dual mode selection detection range
- ※ DSLR camera infrared imaging, appear meibomian gland morphology details
- ※ Standard template comparison, quantify the degree of meibomian gland loss



Excellent optical performance

Galileo Microscope with Convergent Double-barrel Parallel Magnification Mode provides a clear and comfortable stereoscopic observation effect. With 5-step drum-switch magnification, it ranges from 6.3 X to 40 X and switch is easy and smooth. With high point eyepiece, you can observe without dizzy and continuous use bears no fatigue. You can observe wearing spectacles. Optical lenses are treated by multi-layer protection, and good optical effect can be guaranteed by long-term use.



LED illumination

It can provide sharp and uniform illumination to ensure clear observation effect. 14mm light spot can meet the illumination needs of a wider range of lesions. The slit edge is sharp, the adjustment is smooth with no blocking, and the width of each part of the optical band keeps the same. A variety of color filters can be selected and combined to adapt to different corneal staining effects and observe the lesions more comprehensively.



Precise and comfortable control

The integrated base connects the equipment with the chin rest, which has simple and elegant design, strong integrity and convenient installation. It is of high quality micro-motion platform, with uniform and moderate mobility. Fine tuning is flexible, smooth, precise and appropriate. All movement can be accomplished smoothly without straining the wrist or finger.