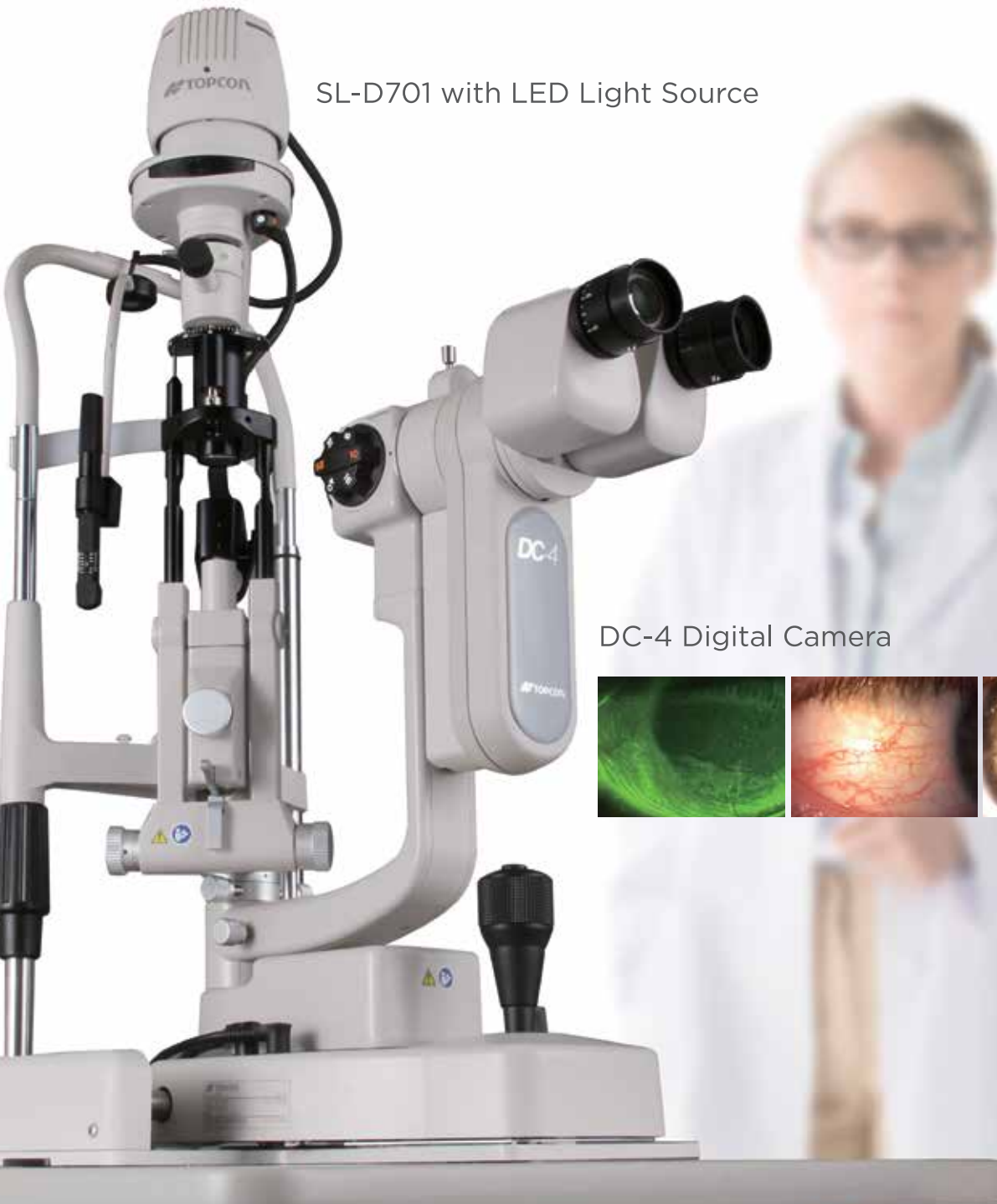


SL-D701

Digital Slit Lamp

SL-D701 with LED Light Source



DC-4 Digital Camera



SL-D701

with LED Light Source

Sharp, Bright and Homogeneous Illumination



Features

- » LED Illumination Source
- » Apochromatic Optics with Protective Coating
- » Selectable Amber Filter for Colour Correction
- » Five Magnifications Selectable by Rotating Drum
- » **Optional DC-4 Digital Camera**
- » High Resolution
- » Smart Capture Function
- » Video Capability
- » Auto Exposure

Advantages and Benefits of LED



LED Illumination Source

The LED illumination source allows observation under a brighter and more homogeneous light condition compared to the conventional halogen bulb source. Colour temperature remains uniform when adjusting light intensity insuring consistent viewing results. The short wavelength of the LED spectrum allows for the observation of minute details.

Advantages of LED Illumination

- » Brighter illumination enhances observation of the eye structures
- » Wavelength characteristics allow for easy visualisation of subtle details
- » Consistent colour temperature throughout the entire intensity adjustment
- » Substantial reduction in bulb replacement
- » Energy and cost savings





DC-4

Digital Camera

Smart Capture Function

With a simple push of the joystick trigger the operator can obtain a rapid series of images that are quickly saved for later revision and selection. The Smart Capture function minimises failed images or blurry pictures, especially in children and non-cooperative patients.

Still Image with Auto Exposure (AE) Function

By automatically adjusting the shutter speed and sensor gain, the brightness of the image will be automatically compensated. As a result, the live image used for alignment and the final picture will have the same colour balance.

Live View

When using the EZ Capture® or IMAGEnet® software in conjunction with the DC-4, a real time live image will be seen on the monitor to facilitate centering and focusing. The live image can be used to show the eye condition to third party individuals for teaching and education. Sensitivity, shutter speed and white balance can be adjusted from the computer.



Video Capability

The DC-4 allows for easy acquisition of video clips of the eye movements without interfering with the examination.

Additional Filters

Amber Filter

A warmer, more pleasant tone of skin and eye structures can be obtained by inserting the amber filter. This colour correction filter produces a pleasant colouration that is especially useful in slit lamp imaging.



With Amber Filter



Standard LED Illumination

Right / Left Eye Indicator

When in photography mode, the SL-D701 automatically recognises the eye being photographed and identifies right eye or left eye in the capture software.

More Than Just the Basic Functions

Advanced lens coatings including a protective layer plus the use of apochromatic optics enhance the observation, reduce fatigue and minimise maintenance.

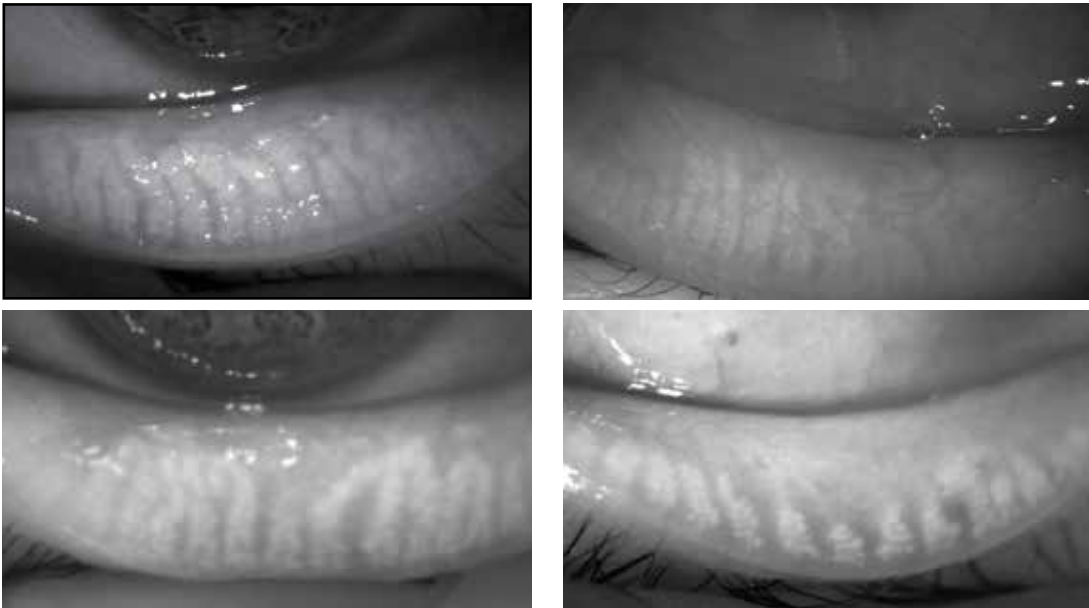
In addition to the standard Cobalt Blue, ND and Red-free filters, the SL-D701 features a colour correction Amber Filter.



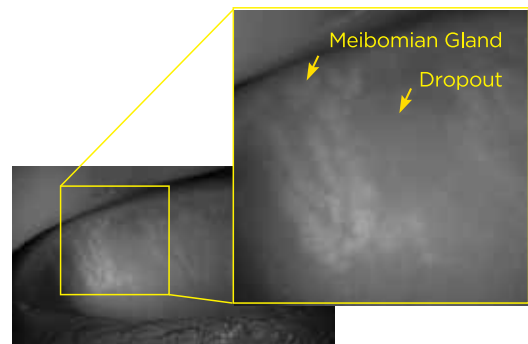
Meibomian Gland Observation

Meibomian gland observation and documentation is possible when using the optional DC-4, BG-5 digital photo attachment and background illuminator.

Different Conditions of Meibomian Glands



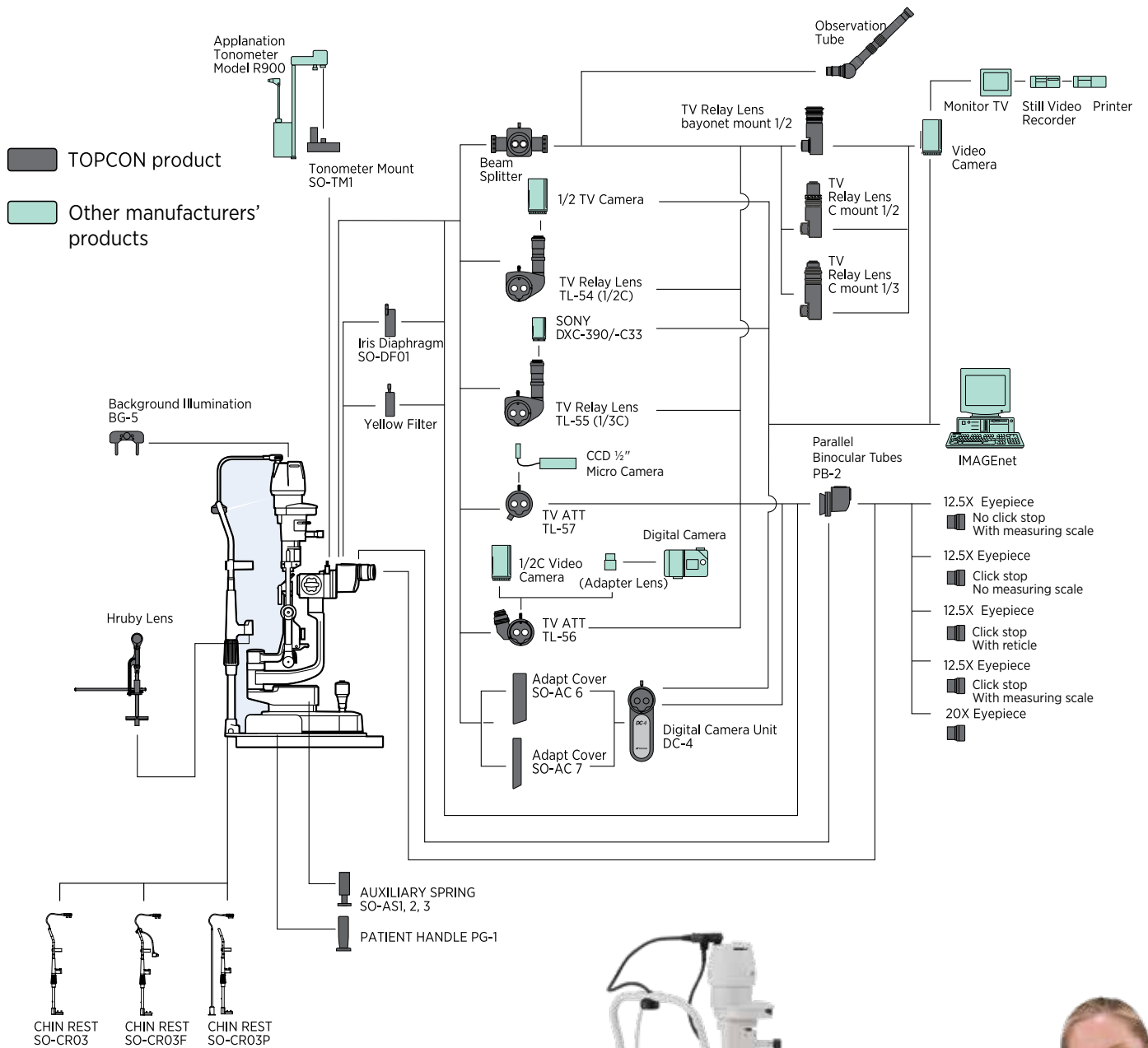
Meibomian Gland Close-up



Images courtesy of Reiko Arita, MD, PhD.
Itoh Clinic, Department of Ophthalmology,
University of Tokyo School of Medicine



System Chart



SL-D701 with LED Light Source

Shown with optional DC-4 Digital attachment and BG-5 Background Illuminator. Handle Bars and Table shown are not available in Australia and New Zealand.



Specifications

Microscope unit		
Type	Galileo type	
Magnification	Drum, 5-step magnification	
Magnification steps	6/10/16/25/40	
Overall magnification (actual vision field)	6.37 (∅ 35.1 mm) 9.94 (∅ 22.5 mm) 15.87 (∅ 14.1 mm) 25.37 (∅ 8.8 mm) 39.62 (∅ 5.6 mm)	
Eyepiece lens	Magnification	12.5x
	Diopter adjustment range	-5D to +5D
Binocular tubes	PD adjustment: 55 to 78 mm	
Illumination unit		
Illumination field	Slit width	0 to 14 mm, adjustable (14 mm=circle)
	Slit length	14 mm to 1 mm, adjustable (14 mm=circle)
	Aperture diameter	∅ 14, 10, 5, 2, 0.2 mm
Slit direction	Vertical to Horizontal, adjustable Inclination: 5°/ 10°/15°/20° Side swing	
Filter	Blue filter, red-free filter, amber filter, UV cut filter (normal use) ND filter (13% transmission)	
Illumination lamp	LED type	3A, 10W
Base unit		
Forward-backward movement	90 mm	
Right-left movement	100 mm	
Vertical movement	30 mm	
Amount of movement in all directions	12 mm	
Chinrest unit		
Amount of vertical movement of chinrest	80 mm	
Fixation target	Fixation target with diopter adjustment Luminous fixation target	
Fixation lamp	LED (Red)	
Other Specification		
Dimensions	w/Table	550 mm (W) x 420 mm (D) x 752 to 782 mm (H)
	w/ Unit Table	440 mm (W) x 397 mm (D) x 752 to 782 mm (H)
	w/o Table	329 mm (W) x 396 mm (D) x 652 to 682 mm (H)
	w/o Table and Chinrest	329 mm (W) x 331(304) mm (D) x 652 to 682 mm (H)
	Weight: w/Table	19 kg
	w/ Unit Table	18 kg
	w/o Table	13 kg
	w/o Table and Chinrest	11.5 kg
	Table size	550 mm x 370 mm
	Unit Table size	440 mm x 350 mm
Height from the top to patient's eye	375 mm	
Power Supply	100-240V AC, 50-60 HZ, 110 VA	



IMPORTANT

Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



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