

Specifications

Microscope Unit		SL-D301
Type	Galilean type	
Magnification	Drum, 3-step magnification	
Magnification steps	10/16/25	
Overall magnification	10.00 (ϕ 22.5mm) 15.98 (ϕ 14.1mm) 25.53 (ϕ 8.8mm)	
Eyepiece lens	Magnification: 12.5x Diopter adjustment range: -5D to +5D	
PD adjustment range	55 to 78mm	
Illumination Unit		
Illumination field	Slit width: 0 to 9mm, can be altered gradually (9mm=circle) Slit length: 1 to 8mm, can be altered gradually	
Aperture diameter	ϕ 9, 8, 5, 3, 2, 1, 0.2mm	
Slit direction	Vertical to horizontal, can be altered gradually	
Inclination	5°, 10°, 15,° 20° from below Available for use side swing	
Filter	Blue filter, red-free filter, ND filter (13% transmission), UV cut filter (normal use), IR cut filter (normal use)	
Illumination lamp	Halogen type: 6V 20W	
Base Unit		
Forward-backward movement length	90mm	
Right-left movement length	100mm	
Vertical movement length	30mm	
Fine adjustment in all directions length	12mm	
Chinrest Unit		
Adjustable range of the vertical direction	80mm	
Fixation target	Fixation target with diopter adjustment Light source for fixation target: LED	
Other Specification		
Dimensions	w/Table 550mm(W) x 430mm(D) x 760 to 790mm(H) w/ Unit Table 440mm(W) x 410mm(D) x 760 to 790mm(H) w/o Table 312mm(W) x 296mm(D) x 646 to 676mm(H)	
Weight	w/Table 17.5kg w/ Unit Table 17kg w/o Table 12kg	
Power Supply	100-240V AC 50-60Hz, 80VA	

DC-4 Digital Camera Unit (Option)	
System	Beam flux division by beam splitter
Beam splitter division ratio	Operator side: 50%; Camera side: 50%
Focus distance	35.7mm
Sensor type	1/2.5 type CMOS; Effective pixel number: 5.04 M pixels
Sensor Size (H x V pixels)	2590 x 1942
Dimensions	76mm(W) x 163mm(D) x 304mm(H)
Weight	430g



* Not available in all countries, please check with your distributor for availability in your country
* Subject to change in design and/or specifications without advanced notice.

IMPORTANT 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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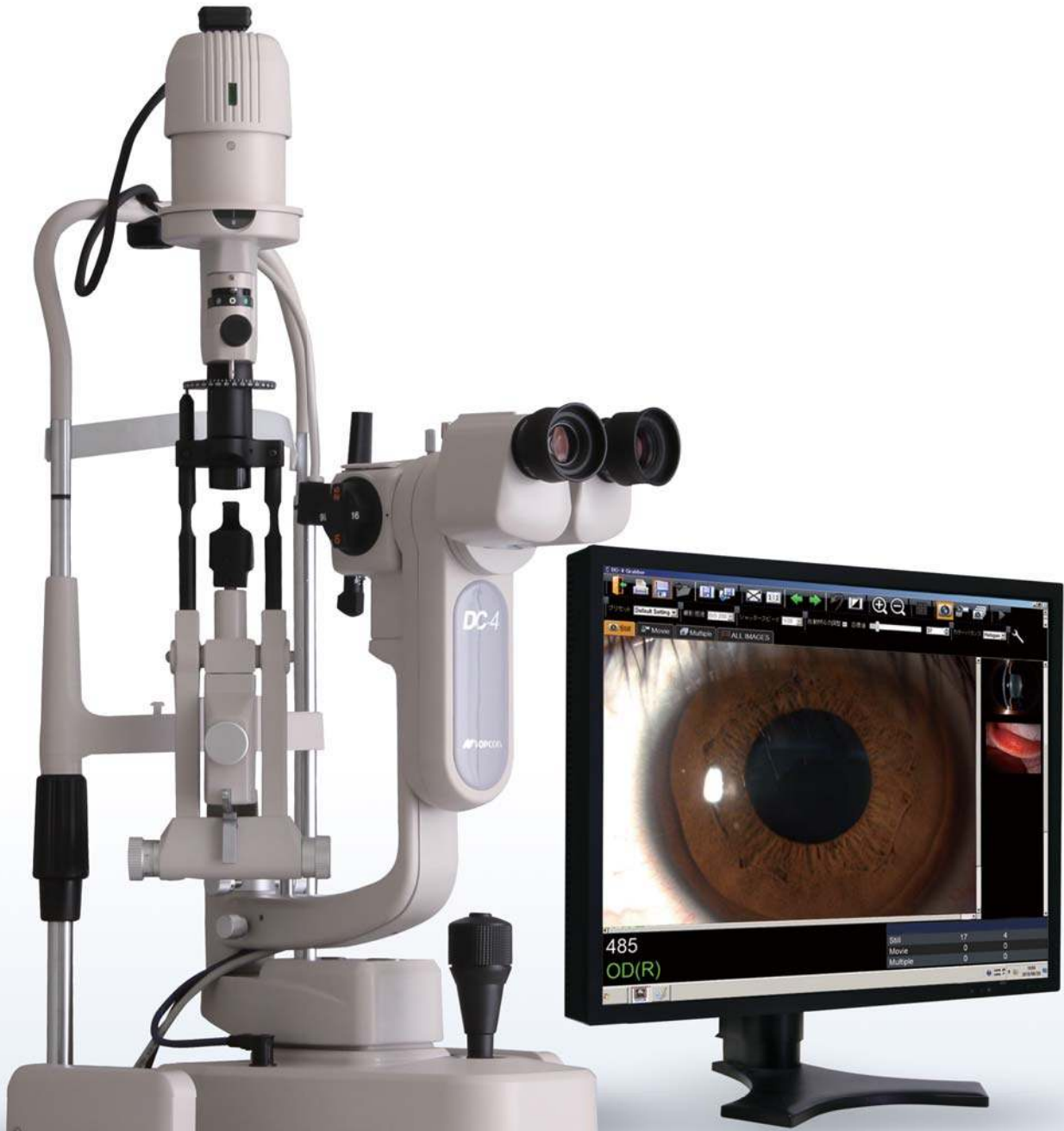
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SL-D301
Slit Lamp





High Performance, Affordably Priced



SL-D301 Slit Lamp

Features

- » A Classic Slit Lamp ideal for all basic clinical examinations
- » Smooth movements and time proven durability
- » Reliability and value assured by Topcon's 40+ years of experience
- » Optional integrated digital camera provides simple image and video acquisition

DC-4 Digital Camera^{*1}

» Smart capture function

With the simple push of a button on the control lever, the operator can obtain a rapid series of images that are quickly saved for later revision and selection. The Smart Capture function minimizes failed images and blurry pictures, especially in patients with excessive blinking.

» Live view

When using the EZ Capture software in conjunction with the DC-4, a real-time live image will be seen on the monitor to facilitate alignment and focus. 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.

» High-resolution sensor

» Superior visibility

» Video capability

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

» Still Image acquisition with auto exposure function

By adjusting the shutter speed and sensor gain, there will be automatic compensation for the image brightness. As a result, the live image used for alignment and the final picture will have the same color balance.



Live View



Captured Image

Fine Images

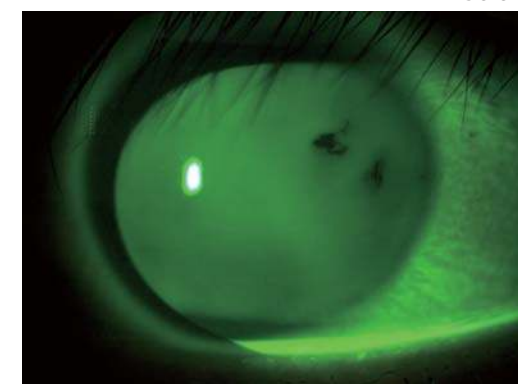
The images captured with DC-4 and displayed on the monitor provide fine images for consultation with patient or patient's family.



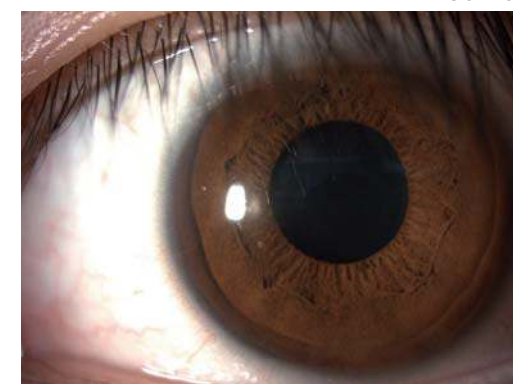
Sclera



Cornea

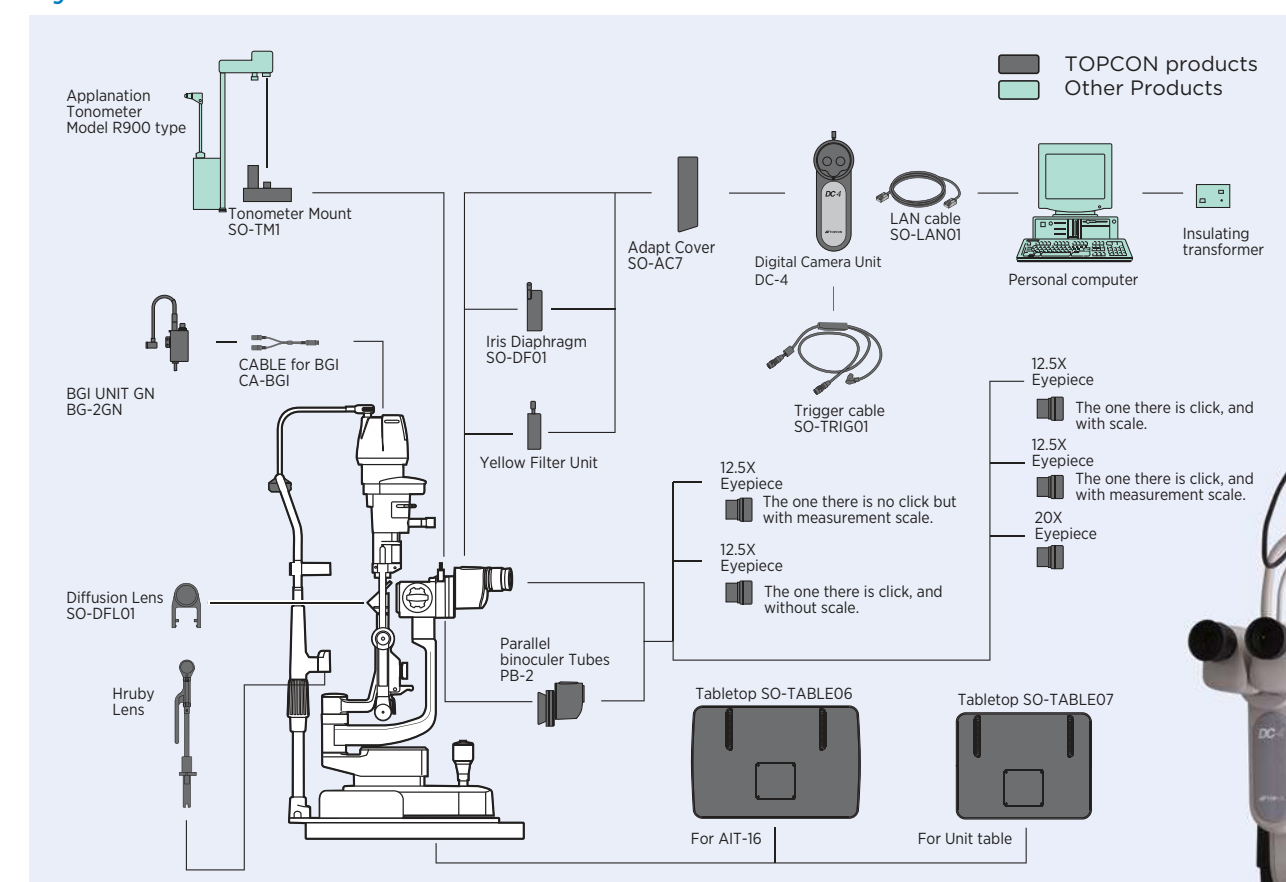


Fluorescence Observation^{*2}



Iris

System Chart



^{*2} Fluorescence observation is possible only in combination with optional yellow filter unit.

^{*1} DC-4 is optional