



Slit Lamp
SL-2000



THE ART OF EYE CARE

The SL-2000

Exceeds Your Expectations

In More Ways than You Can Possibly Imagine...

NIDEK's experience and expertise in optical engineering have been used to design the SL-2000. The innovative features and ergonomic design have resulted in a slit lamp that exceeds expectations. The crisp and clear view of ocular tissue in almost natural color is due to an exclusive optical design and unique color-temperature relationship of the illumination system. A remarkably smooth motorized joystick is an example of the many user-friendly features of the SL-2000.



Crisp and clear view in near-natural color

High resolution optical system

The optical design of the SL-2000 optimizes resolution and contrast to visualize ocular tissue in exquisite detail. Additionally, the expanded effective focal depth enables observation of the peripheral fundus.

LED light source for excellent brightness

The long lasting LED light source provides effective, consistent brightness. The unique color-temperature relationship of the illumination system enables observation in almost natural color even for fundus examination. An exclusive optical lens is incorporated into the SL-2000 to reduce uneven lighting and compensate for aberrations.



Superior experience

Remarkably smooth motorized joystick

The acclaimed motorized joystick used in other NIDEK devices is included in the SL-2000 to enhance practitioner comfort. Smooth vertical movements can be performed even when peripherals are connected such as laser photocoagulator accessories, applanation tonometer and/or a heavy digital camera.



Easy attachment of optional accessories

The SL-2000 incorporates a Galilean microscope with a parallel optical system that allows easy attachment of accessories such as a variable magnification unit and beam splitter.

Ergonomic eyepieces and binocularity

The ergonomic eyepieces allow comfortable examination. The 6° stereoscopic angle mitigates user fatigue from a full day of clinical examinations.



Variable magnification

A 5-step magnification can be toggled from 5x, 8x, 12.5x, 20x, and 32x for closer observation of a region of interest.



Filters for optimizing viewing conditions

The SL-2000 incorporates blue, red-free, and ND filters allowing optimal condition for fluorescein evaluation, and vitreous and anterior segment examination.



User-friendly design

In pursuit of a superior experience for both patient and practitioner during examination, the SL-2000 employs a highly ergonomic design. The white base color and streamlined shape of the main body give a clean and comfortable impression.



SL-2000 Specifications

Microscope	
Microscope Type	Galilean converging binocular, five-level magnification (rotating drum)
Objective lens focal length	125 mm
Eyepieces	12.5x, 16x (Optional)
Total magnification / diameter of real field of view	5x / 40.7 mm, 8x / 25.7 mm, 12.5x / 16.1 mm, 20x / 10.1 mm, 32x / 6.4 mm
Interpupillary adjustment range	50 to 78 mm
Stereoscopic angle	6°
Diopter adjustment range	±8 D
Yellow filter	For fluorescent observation (the filter can be inserted or removed using the filter insertion rod)
Lamp housing	
Projection magnification	1x
Slit width	0 to 14 mm (continuously variable)
Aperture diameter / slit length	ø0.2, 1, 3, 5, 9, 14 mm
Slit rotation	±90°
Filter	Blue filter: Fluorescence and staining reaction Red-free filter: Red-free ND filter: Light reduction
Illumination lamp	LED lamp (white)
Base	
Right and left movement	110 mm
Forward and backward movement	100 mm
Forward and backward, right and left fine movement	20 mm (when the joystick is tilted)
Up and down movement	30 mm (motorized)
Power supply and consumption	AC 100 to 240 V 50 / 60 Hz, 75 VA
Dimensions / Mass	346 (W) x 433 (D) x 567 (H) mm / 12 kg 13.6 (W) x 17 (D) x 22.3 (H)" / 26.5 lbs.
Standard accessories	Focusing rod, cap, chinrest paper (2 packs), power cord, hexagonal wrench (2 mm), Phillips screwdriver (2 units), round head wood screws (4.1 x 13, 3.8 x 20), dust cover
Optional accessories	16x eyepieces (1 pair), grips (for patients, 1 pair), beam splitter, C-mount camera adapter, tonometer mount*1

*1. The following applanation tonometer can be attached to the tonometer mount.

- CSO: Z800

Product / Model name: SLIT LAMP SL-2000

Brochure and listed features of the device are intended for non-US practitioners.

Specifications may vary depending on circumstances in each country.

Specifications and design are subject to change without notice.



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