



SM-30N

SM-10N

Slitlamp Microscope

SM-30N

SM-10N

Aiming at new levels in quality



Slitlamp Microscope

SM-30N / SM-10N



★ SM-30N, a state-of-the-art Greenough-type slitlamp

★ SM-10N, a model that focuses on fundamentals

1 High-performance Greenough Microscopes

The convergent binocular tubes ensure easy fusion and stress-free observation. Advanced multi-coating is applied to all lenses used in the microscope. Because of the high optical performance, bright images free from flare and ghost can be obtained, improving the quality of medical examinations and treatment.

2 Helicoid Mechanism

As the diopter adjustment rings do not rotate with the eye caps, the selected diopters will not be accidentally changed during use.

3 Magnification Changer

The SM-30N and the SM-10N are equipped with a 2-step magnification changer that offers 10x and 16x powers; magnification can be easily changed with the magnification change lever. With the use of 16x eyepieces (optional accessory for the SM-10N), total magnification can be increased up to 25.6x.

4 Specially-coated Mirror

The reflecting mirror has been given a special coating, effectively reducing harmful infrared and ultraviolet rays to protect the eye being observed against phototoxicity while providing an exceptionally natural view in the visible light range.

5 Integrated Control

The joystick for XYZ movement, its top button for the light booster function (which also serves as a trigger button for capturing images when connected to an imaging device), and the rheostat adjacent to the joystick for light intensity adjustment can all be controlled with one hand. This ensures a smooth and swift examination.

Furthermore, the joystick mechanism provides outstanding control from coarse to fine movement of the slitlamp base.

6 Slitlamp with Integrated Base

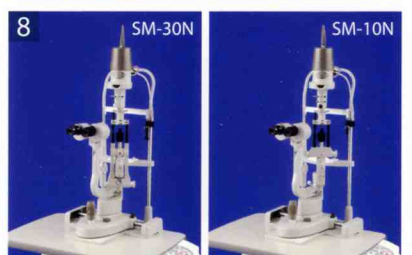
By integrating it with the base, the sturdiness of the chin rest assembly has improved dramatically. Now that the base is integrated, there is no need to be selective with the shape of fittings for the chin rest assembly or its installation method. The slitlamp can now be set up very easily on any type of instrument table.

7 Headrest/Finger Rest

The headrest serves not only as a patient's headrest but also as a finger rest for the examiner holding an indirect lens upon fundus examination. The finger rest feature is designed such that the examiner can hold the indirect lens steady. It also reduces arm fatigue from lengthy fundus examination.

8 Difference in Tilting Mechanism

With the SM-30N, both length and width of the slit can be adjusted continuously without preset steps. The slit unit can be tilted forward at 5°, 10°, 15° or 20°. With in the SM-10N, the slit length is adjusted in preset steps. The SM-10N is not equipped with the tilting mechanism.

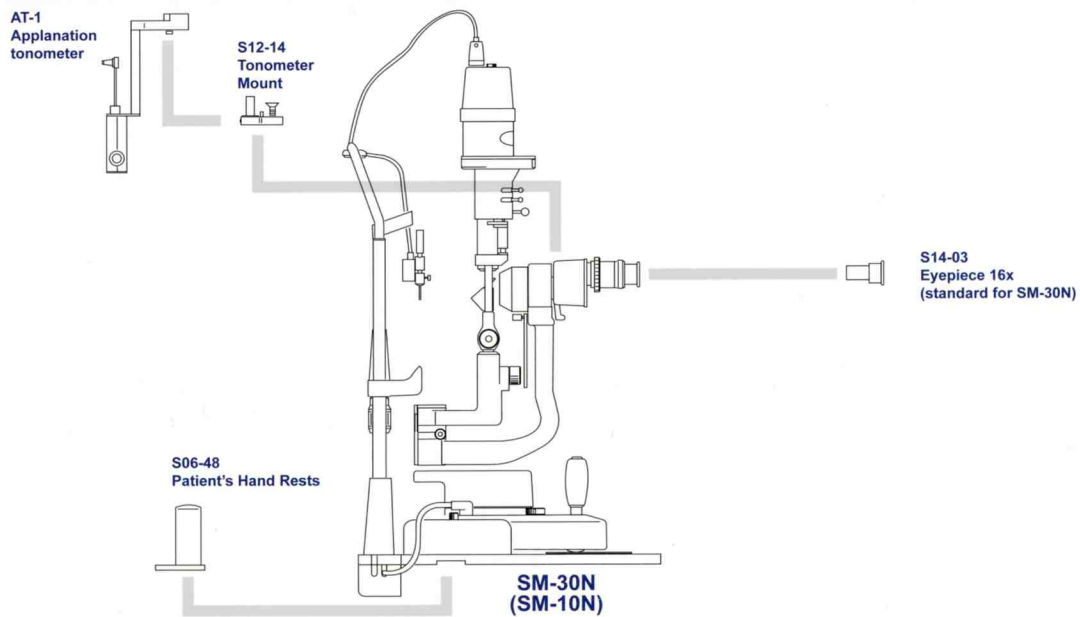




Specifications

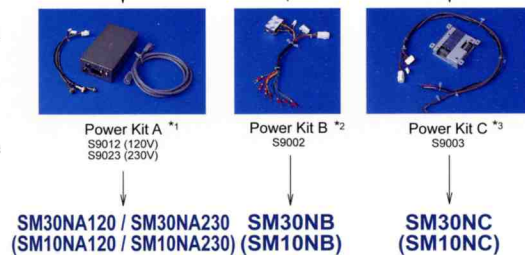
Microscope	Type	Greenough type stereoscopic binocular microscope
	Magnification changer	Two position revolving objective
	Eyepieces	10x, 16x (16x eyepieces are optional for SM-10N)
	Total magnifications	10x, 16x, 25.6x (25.6x when 16x eyepieces are in use)
	Real fields of view	φ 18, φ 15, φ 9.3mm (φ 9.3mm. when 16x eyepieces are in use)
	Interpupillary adjustment	55mm-86mm
	Diopter adjustment range	+/-8diopters (with 10x eyepieces) / +/-10diopters (with 16x eyepieces)
Cross-Slide Base	Longitudinal (coarse) movement	90mm
	Lateral (coarse) movement	110mm
	Horizontal (fine) movement	15mm
	Vertical movement	+/-15mm
Chinrest Unit	Elevation stroke	70mm
	Fixation light source	Red LED
Illumination Unit	Slit width	0-10mm continuously variable (at 10mm, slit becomes a circle)
	Slit length	1-10mm continuously variable (SM-30N) / 10, 5, 3, 2, 1, 0.2mm (SM-10N)
	Aperture diaphragms	φ 10, φ 5, φ 3, φ 2, φ 1, φ 0.2mm
	Filters	HA (heat-absorbing), G (red-free), B (excitation), UV (Ultraviolet radiation cut)
	Light source	12V 30W halogen bulb
Power Unit	Input voltage	AC100V - 230V
	Maximum power consumption	64VA
Dimensions & Weight	Base dimensions	359mm(W)×328mm(D)
	Weight	13.5kg (SM-30N) / 13.3kg (SM-10N)

Optional Components



The power kit can be selected according to the instrument table on which the slitlamp is installed. The identification number of the slitlamp varies depending on the power kit selected. See below

- *1 Power kit for use with tabletop-type instrument tables
- *2 Power kit for exclusive use with TAKAGI's Ophthalmic Workstations and Autodesks instrument tables
- *3 Power kit for use with non-TAKAGI tables that can supply AC12V to the slitlamp



● Design and specifications are subject to change as improvements are made to the product.

TAKAGI SEIKO CO.,LTD.

330-2 IWAFUNE, NAKANO-SHI, NAGANO-KEN, 383-8585, JAPAN
 TEL.+81-269-22-4512 FAX.+81-269-26-6321
 URL:<http://www.takagi-j.com> E-mail:info@takagi-j.com

