



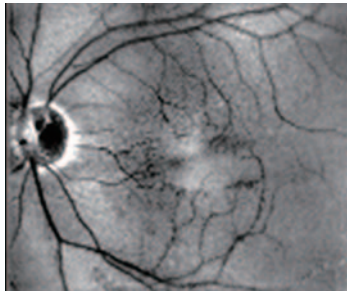
## The OCT for General Screening

Inheriting the high resolution OCT images and clinically useful analyses from the RS-3000, the RS-3000 Lite achieves the optimum balance between cost and performance with its fundus surface imaging system. The RS-3000 Lite has been developed for screening in general eye clinics.

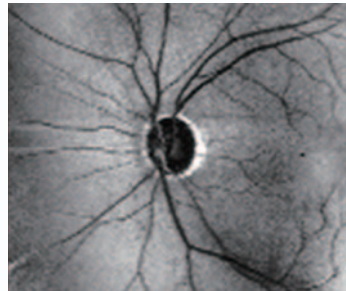


### OCT Phase Fundus for Fundus Surface Imaging

The RS-3000 Lite utilizes a different method - the OCT phase fundus - in place of SLO to image the surface of the fundus.



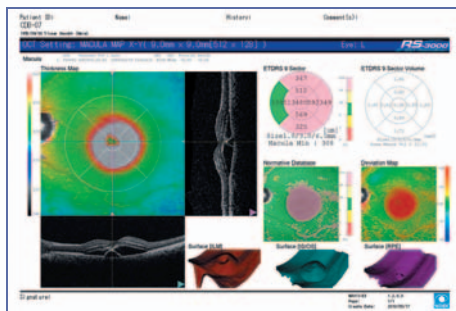
Macula



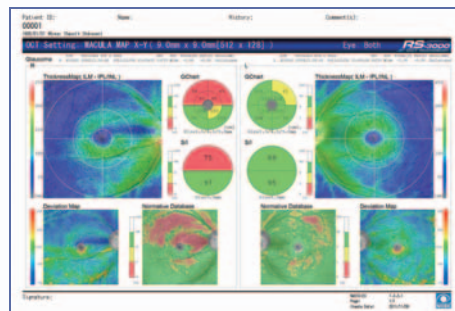
Disc



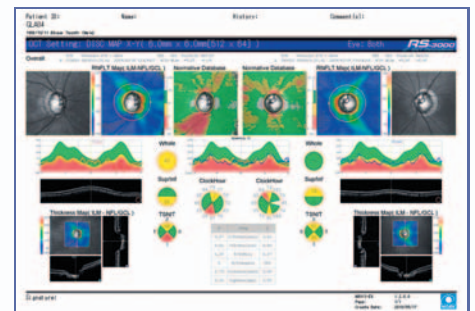
### Multiple Analyses for Practical Diagnostic Assistance



Macula map (macula tab) with macula analysis



Macula map (glaucoma tab) with [NFL+GCL+IPL] analysis



Disc map (overall tab) with RNFL analysis

## RS-3000 Lite Specifications

OCT scanning	
Principle	Spectral domain OCT
OCT resolution	Optical Z: 7 µm, XY: 20 µm Digital Z: 4 µm, XY: 3 µm
Scan range	Z: 2.1 mm XY: 3 to 9 mm
OCT light source	SLD, 880 nm
Scan speed	Max. 53,000 A-scans / s
Acquisition time of 3D image	1.6 s in regular mode
Internal fixation lamp	660 nm
External fixation lamp	Red / Green
Auto alignment	Z direction
Minimum pupil diameter	ø2.5 mm
Focus adjustment range	-15 to +10 D (VD=12 mm)
Working distance	35.5 mm (from the objective lens to the pupil)
Scan pattern	Macula line (scan angle changeable by 15°) Macula map Macula multi (X - Y: 5 x 5) Disc map
Software analysis	Segmentation of 6 retinal layers Macular thickness map RNFL thickness map [NFL+GCL+IPL] analysis Optic nerve analysis Follow-up analysis
Fundus surface imaging	
Principle	OCT phase fundus
Angle of view	36° x 30°
PC networking	Available
Display	Tilttable 8.4-inch color LCD
Power supply	AC 100, 120, 230 V ±10% 50 / 60 Hz
Power consumption	300 VA
Maximum power output (transformer)	1,000 VA
Dimensions / Mass	380 (W) x 524 (D) x 499 to 531 (H) mm / 33 kg 15.0 (W) x 20.6 (D) x 19.6 to 20.9 (H)" / 73 lbs.

## Specification comparison

Model	RS-3000 Lite	RS-3000
Scan speed	Max. 53,000 A-scans / s	53,000 A-scans / s
Image averaging	Max. 50 images	Max. 50 images
Layer segmentation	6 layers	6 layers
Normative data base	Available	Available
Scan pattern	4 patterns	8 patterns
Fundus surface imaging	OCT phase fundus	SLO
Follow-up auto-tracking	Not available	Available
Follow-up analysis	Available	Available

FDA 510(K) pending

Specifications and design are subject to change without notice.

 Eye & Health Care  
**NIDEK CO., LTD.**

**HEAD OFFICE**  
34-14 Maehama, Hiroishi  
Gamagori, Aichi 443-0038, Japan  
Telephone: +81-533-67-6611  
Facsimile : +81-533-67-6610  
URL : <http://www.nidek.co.jp>  
[Manufacturer]

**TOKYO OFFICE**  
(International Div.)  
3F Sumitomo Fudosan Hongo Bldg.,  
3-22-5 Hongo, Bunkyo-ku, Tokyo  
113-0033, Japan  
Telephone: +81-3-5844-2641  
Facsimile : +81-3-5844-2642  
URL : <http://www.nidek.com>

**NIDEK INC.**  
47651 Westinghouse Drive  
Fremont, CA 94539, U.S.A.  
Telephone: +1-510-226-5700  
                  : +1-800-223-9044 (US only)  
Facsimile : +1-510-226-5750  
URL : <http://usa.nidek.com>

**NIDEK S.A.**  
Europarc  
13, rue Auguste Perret  
94042 Créteil, France  
Telephone: +33-1-49 80 97 97  
Facsimile : +33-1-49 80 32 08  
URL : <http://www.nidek.fr>

**NIDEK TECHNOLOGIES Srl**  
Via dell'Artigianato, 6 / A  
35020 Albignasego (Padova), Italy  
Telephone: +39 049 8629200 / 8626399  
Facsimile : +39 049 8626824  
URL : <http://www.nidektechnologies.it>

### Anterior segment module (optional)

Scan pattern	Cornea radial ACA line
Software analysis	Corneal thickness measurement Corneal thickness map Angle measurement



### Motorized optical table (optional)

Dimensions / Mass	639 (W) x 472 (D) x 600 to 850 (H) mm / 28 kg 25.2 (W) x 18.6 (D) x 23.6 to 33.5 (H)" / 62 lbs.
Power supply	AC 100 V (available from the transformer) 50 / 60 Hz
Power consumption	150 W

### PC rack (optional)

Dimensions / Mass	632 (W) x 452 (D) x 703 (H) mm / 15 kg 24.9 (W) x 17.8 (D) x 27.7 (H)" / 33 lbs.
-------------------	---

## Footprint

