

SPECIFICATIONS

OCT IMAGING

Methodology	Spectral domain OCT
Optical source	840nm (Light Center Wavelength)
Axial resolution (optical)	5 microns (optical), 2.7 microns (digital)
Transverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	3.0 mm
Diopter range	- 20 to + 20 diopters
Scan patterns	Macular: HD line scan (6 mm or 12 mm), 3D scan (6 mm x 6 mm), 6-line radial scan, Multi (X-Y: 5 x 5) Disc: 3D scan (6 mm x 6 mm) Anterior: HD line scan (6 mm), 6-line radial scan

FUNDUS IMAGING

Minimum pupil diameter	3.0 mm
Field of view	40° x 30°

SOFTWARE ANALYSIS

Macula	Retina thickness analysis; 3D view; En-face analysis; Progression analysis; EDI function
Glaucoma	RNFL analysis; Ganglion cell analysis; Cup-disk analysis; Progression analysis; OU comparative analysis
Anterior Segment	Manual measurement; Corneal thickness analysis; Epithelial thickness analysis
Others	DICOM conformance; Remote viewer software available

ELECTRICAL AND PHYSICAL

Weight	28.8 kg
Dimension	532 mm (L) x 360 mm (W) x 540 mm (H)
Source voltage	AC 100 - 240 V
Frequency	50 Hz - 60 Hz
Power input	180 VA

Specifications subject to change without notice.

Optical Coherence Tomography

NEW

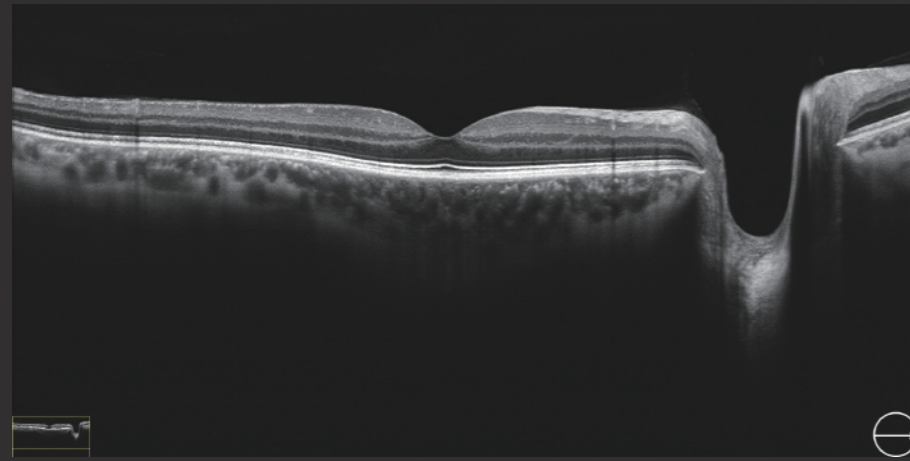
NEO SD-OCT



Discover more about
Moptim OCT on Youtube

MACULA

Macular HD line

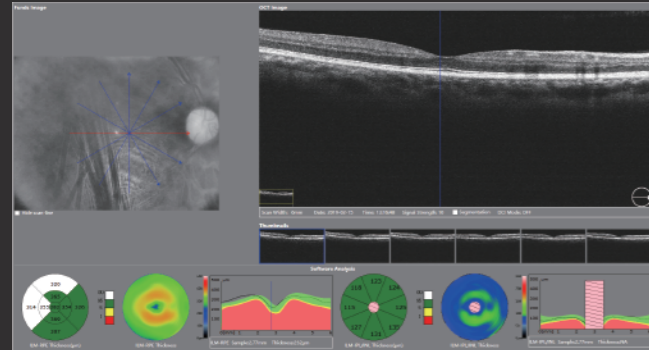


High definition OCT imaging reveals hidden pathological changes

* OCT scan range can be switched between 6 mm and 12 mm

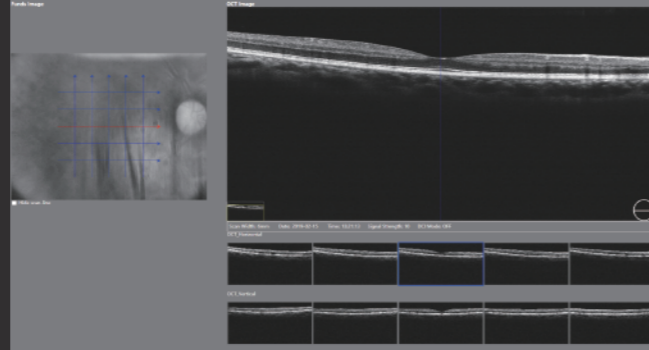
Macular Six-line Radial

Have a glimpse of the retina via HD imaging and quick data analysis



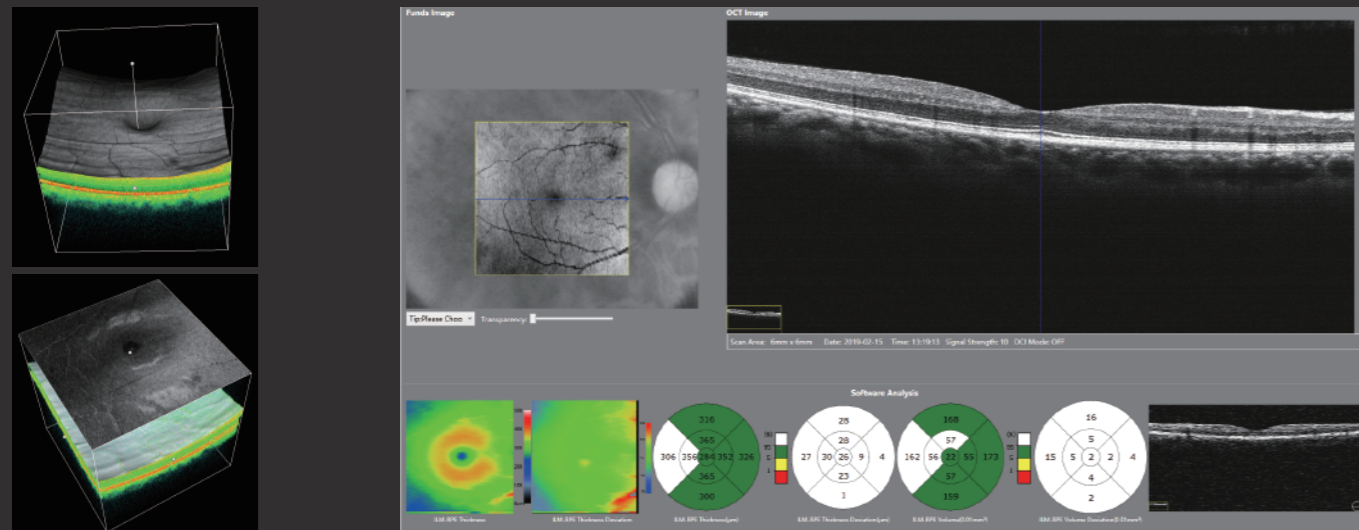
Macular Multi

Multiple HD cross-sectional images acquisition



Macular Cube

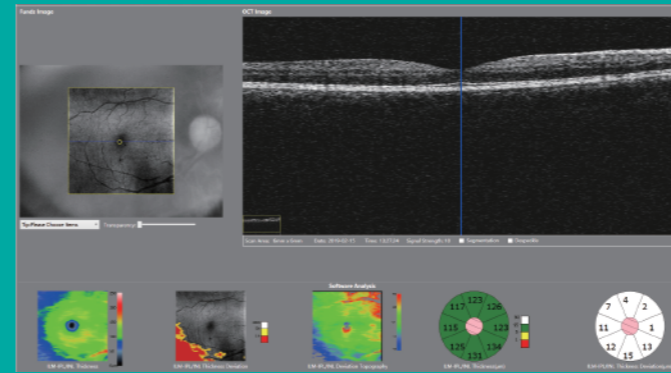
A point-by-point assessment of retinal thickness with a 500 x 100 dense cube



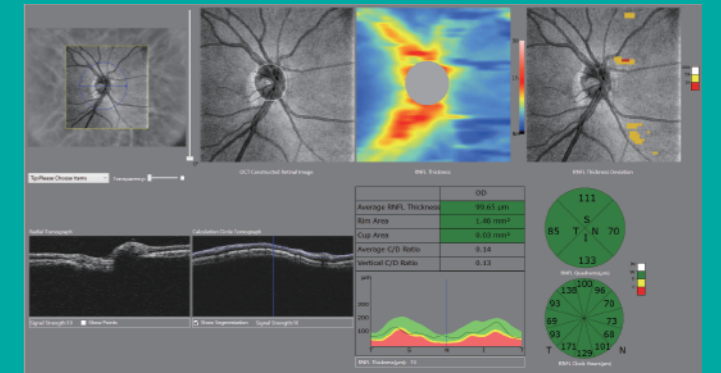
GLAUCOMA

For comprehensive glaucoma analysis, NEO SD-OCT offers two scan patterns, glaucoma cube scan in macular area and glaucoma cube scan in disc area. Evenly distributed sampling point with 200 x 200 A-scans provides reliable information for early glaucoma detection and management.

Glaucoma (Macular)

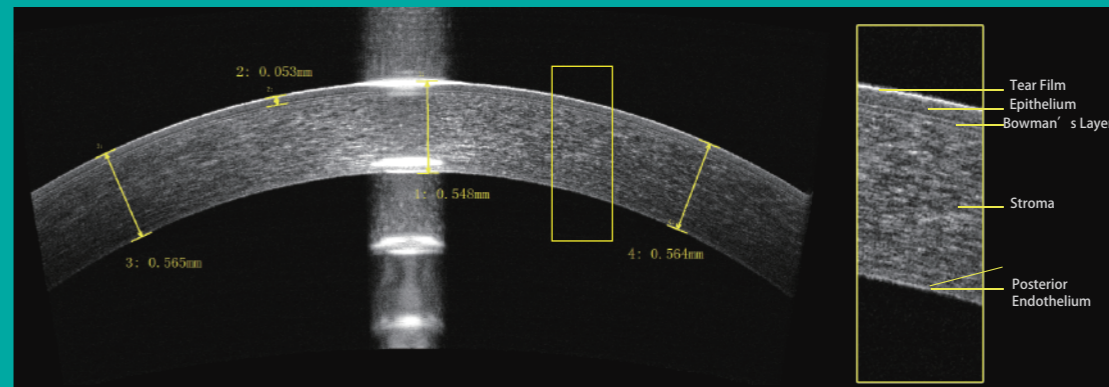


Glaucoma (Disc)



ANTERIOR SEGMENT

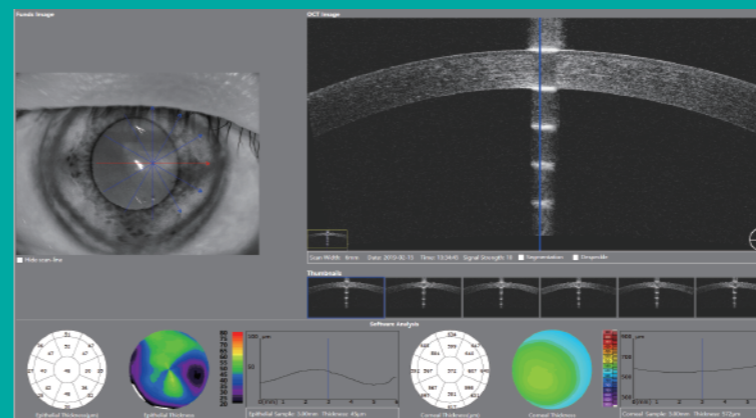
Anterior HD line



High definition OCT imaging of the cornea enables localization of the Bowman's layer, the interface between corneal stroma and epithelium

Anterior Six-line Radial

The anterior segment scanning through 6 radial lines of equal length can be used to measure the central corneal thickness



Software Analysis

- Corneal thickness analysis
- Manual measurement
- Epithelial thickness analysis