

MOPTIM[®]
ASPIRING TO SEE MORE



Optical Coherence Tomography

MOcean[™] 3000 / 3000 plus



Discover more about
MOcean 3000 on Youtube

MOcean 3000 SLO-OCT

Practical, Easy, Exquisite, Reliable

MOcean™ 3000/3000 Plus is an intelligent SD-OCT and SLO (Scanning Laser Ophthalmoscope) combined system with informative outputs, remarkable user interface, exquisite design and reliable quality.



45° widefield SLO fundus image

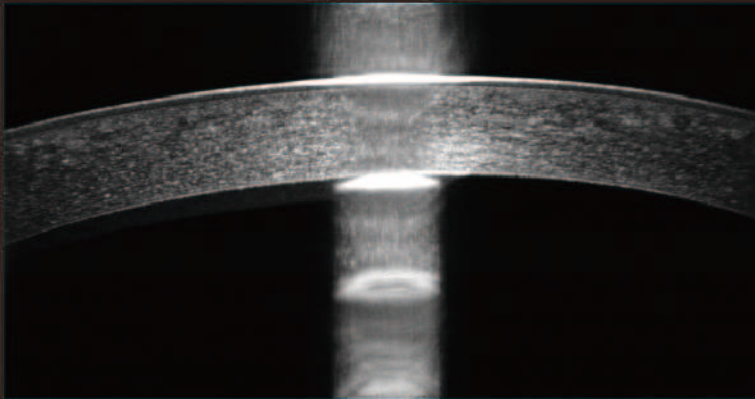
HIGHLIGHTS

- HD widefield image averaging (up to 50 images)
- 45° widefield real-time SLO fundus image
- Complete scanning of retina, RNFL & ganglion cell volume analysis, and anterior segment
- Progression analysis for glaucoma progression detection
- Auto search signal with one press
- Streamlined user interface

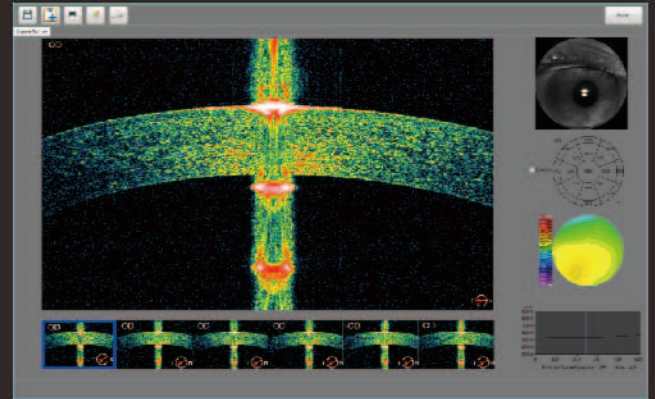


ANTERIOR SEGMENT

Anterior HD line
HD OCT image of cornea



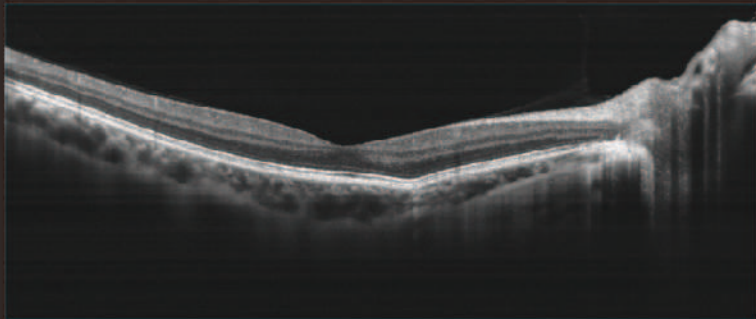
Anterior segment six radial line
Comprehensive corneal analysis



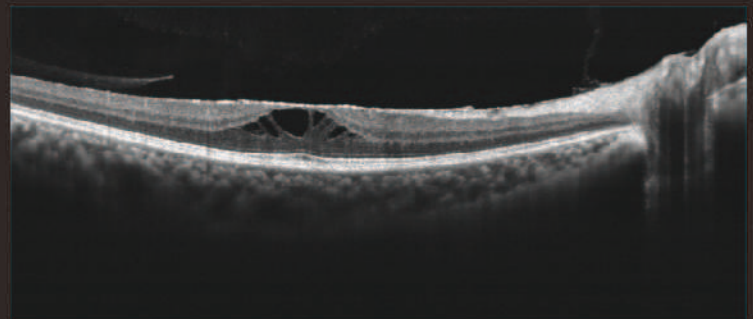
Software Analysis

- Corneal pachymetry
- Corneal thickness map
- Corneal thickness profile

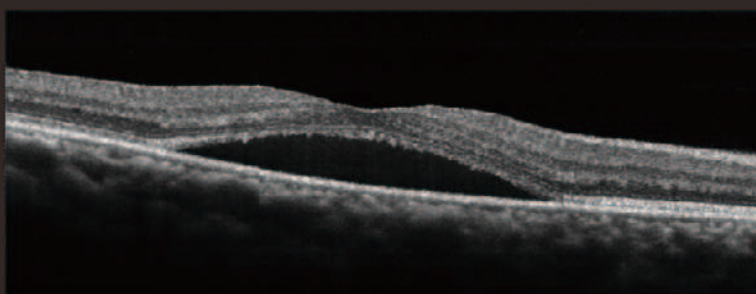
IMAGE GALLERY



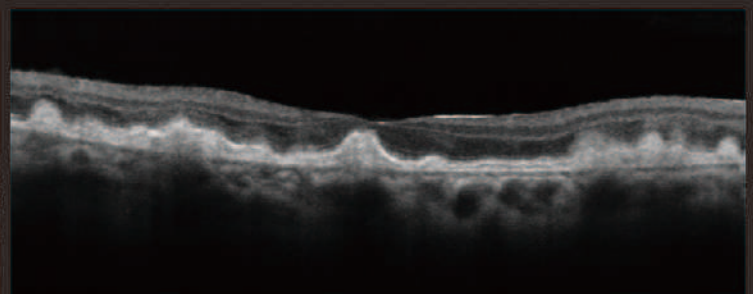
Normal retina



Macular edema



Serous detachment of the neuroepithelium



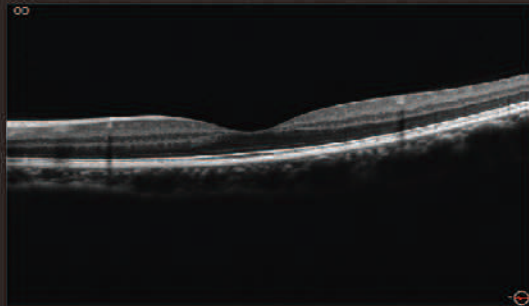
CNV

MACULA

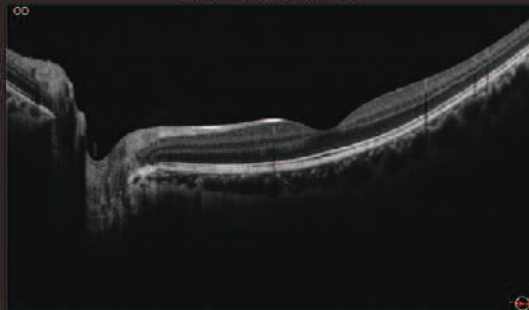
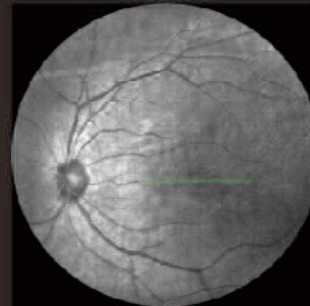
Macular HD line

HD OCT image with up to 50 times averaging for the highest image quality

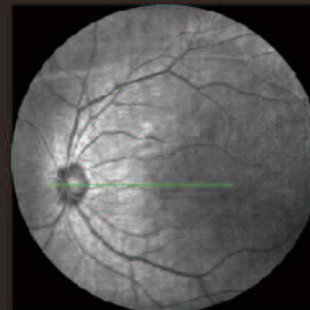
* Scanning width is switchable between 6mm and 12mm



Scanning width: 6mm



Scanning width: 12mm

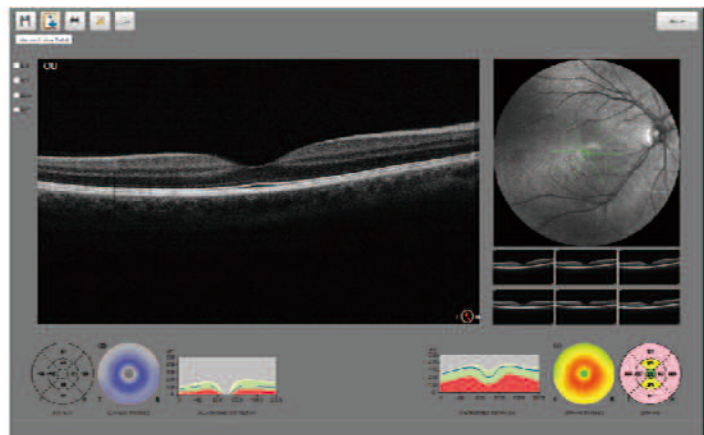


Macular six-line radial

HD OCT image with 5 times averaging, retinal analysis and ganglion cell volume analysis

Software Analysis

- ILM-RPE thickness nine zone map
- ILM-RPE thickness map
- ILM-RPE thickness profile
- NFL+GCL+IPL nine zone map
- NFL+GCL+IPL thickness map
- NFL+GCL+IPL thickness profile

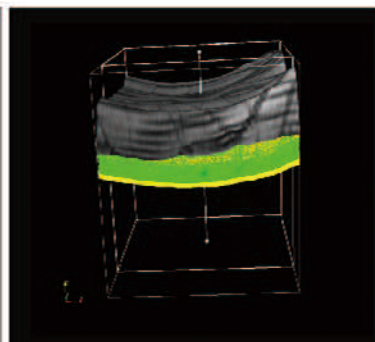
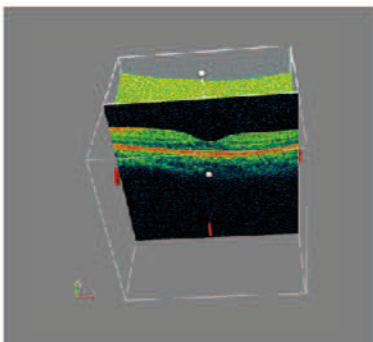


*Color-coded maps are provided by normative database.



Macular 3D

Providing precise quantitative analysis, 3D and C-Scan analysis



Software Analysis

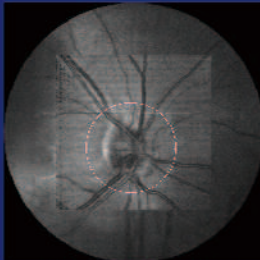
- ILM-RPE thickness nine zone map
- ILM-RPE thickness map
- ILM-RPE volume
- NFL+GCL+IPL thickness map
- NFL+GCL+IPL volume figure
- NFL+GCL+IPL nine zone map
- 3D analysis
- C-scan analysis

OPTIC DISC

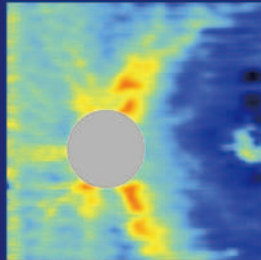


Disc 3D

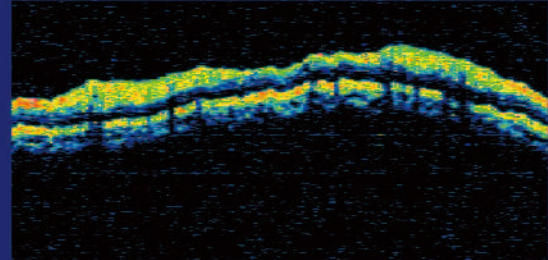
RNFL Thickness Analysis



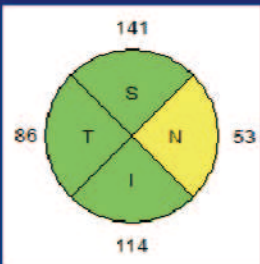
3.46mm circle outline



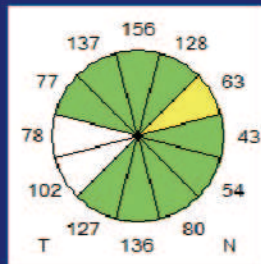
RNFL thickness map



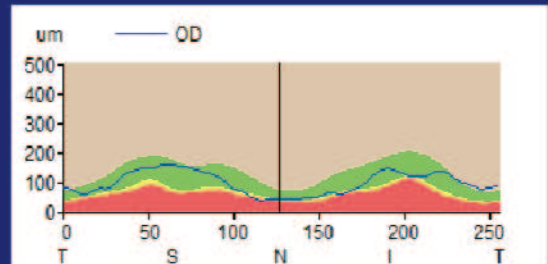
3.46mm circular OCT image



RNFL quadrant



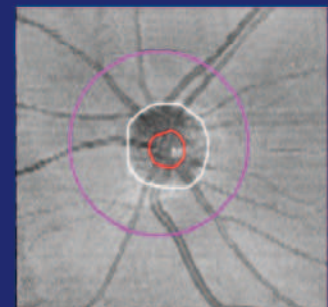
RNFL clock hours



3.46mm circle thickness profile

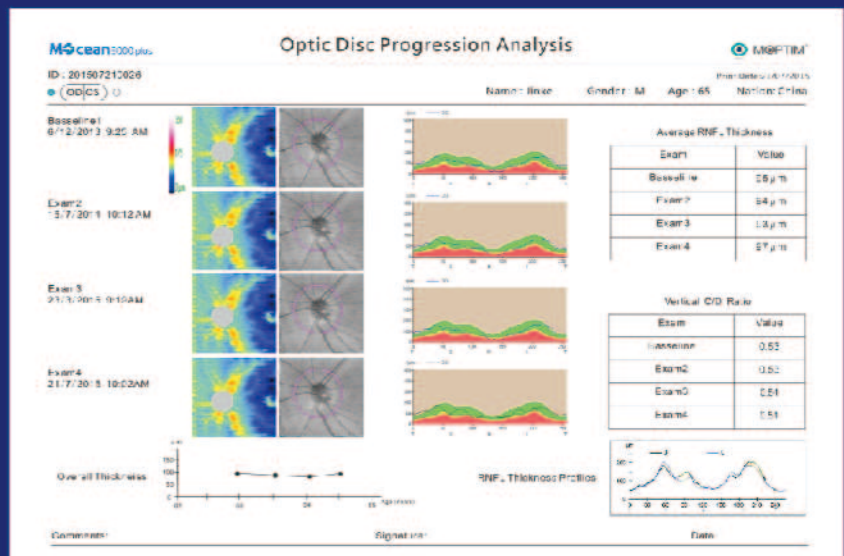
ONH Measurement Table

	OD
Average RNFL thickness	83.54um
Rim area	1.65mm ²
Cup area	0.74mm ²
Average C/D ratio	0.45
Vertical C/D ratio	0.35



Progression Analysis

Progression allows the user to analyze information from 2 to 8 exams.



SPECIFICATIONS

OCT IMAGING

Methodology	Spectral domain OCT
Optical source	Super luminescent diode (SLD), 840nm
Scan speed	MOcean 3000: 18,000 A-scans per second MOcean 3000 Plus: 32,000 A-scans per second
Axial resolution (optical)	5 microns (in tissue)
Transverse resolution	15 microns (in tissue)
A-scan depth	2.1 mm
Minimum pupil diameter	2.5 mm
Scan patterns	Macula: HD line scan(6/12mm), 3D(6 × 6mm) scan, six-radial line scan(6mm) Disc: 3D(6 × 6mm) scan Anterior segment: radial scan, HD line scan

FUNDUS IMAGING

Methodology	Scanning laser ophthalmoscope (SLO)
Optical source	Laser diode (LD), 750nm
Live fundus imaging	Live during scanning
Field of view	45 degrees

SOFTWARE ANALYSIS

Retina	Macular thickness analysis 3D and C-Scan analysis
Glaucoma	Ganglion cell volume analysis RNFL thickness analysis Progression analysis
Anterior segment	Corneal thickness analysis

ELECTRICAL AND PHYSICAL

Weight	25kg
Dimension	540mm(L)x340mm(W)x624mm(H)
Fixation	Internal, external
Diopter range	-20D to +20D(diopters)

COMPUTER

Processor	Intel® i5 quad-core CPU, 4G DDR RAM
Operating system	Windows® 7 professional 32bit
Graphics	Quadro® K600
Storage	1T hard disk
Display	22" LCD

Specifications are subject to change.

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