MOPTIM

Optical Coherence Tomographer

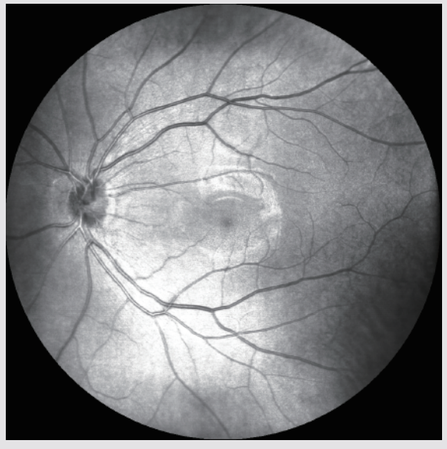
Mocean® 3000 SLO-OCT

Mocean® 3000 SLO-OCT

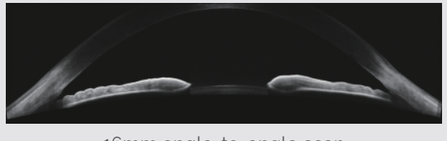
THE QUALITY **YOU CAN COUNT ON**

Mocean 3000, configured with state-of-the-art SLO-OCT imaging systems and the SLO-based eye tracker, is a powerful diagnostic tool for a variety of ocular diseases.

The key advantage of Mocean 3000 is the simultaneous acquisition of cross-sectional OCT imaging and 45 degrees fundus imaging based on Scanning Laser Ophthalmoscope (SLO). It gives you an overview of the retina so you can easily locate the lesion area before acquisition. Moreover, the eye tracker based on SLO can minimize the artifacts caused by eye drift and micro saccades, which gives you more confidence in practice.



45° real-time SLO imaging



16mm angle-to-angle scan

SLO + EYE TRACKING

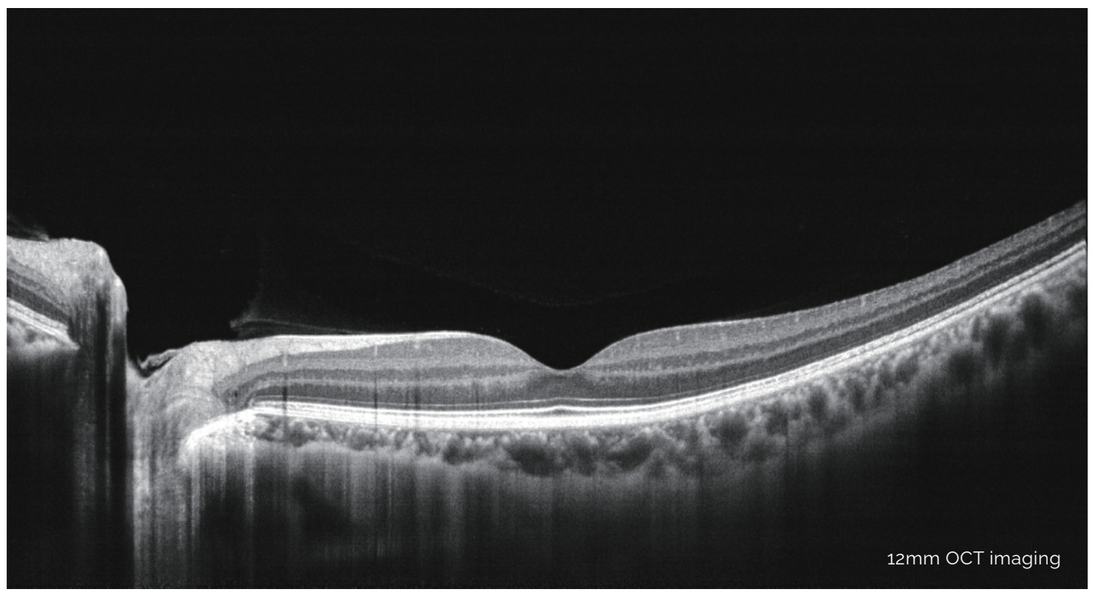
- 45° wide range live SLO imaging
- Ultra fine quality retinal imaging using averaging technique
- SLO-based real-time retinal tracking effectively reduces artifacts caused by eye movement

HD OCT IMAGING

- Micron-level resolution for views of the macula and optic nerve head
- 3mm scan depth shows better details of the vitreous, retina and choroid
- Up to 50 images averaging

ANTERIOR SEGMENT

- 16mm angle-to-angle imaging
- Corneal pachymetry and angle analysis
- Epithelial thickness analysis

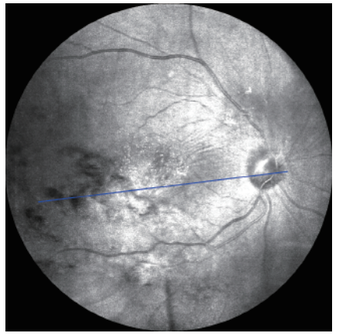


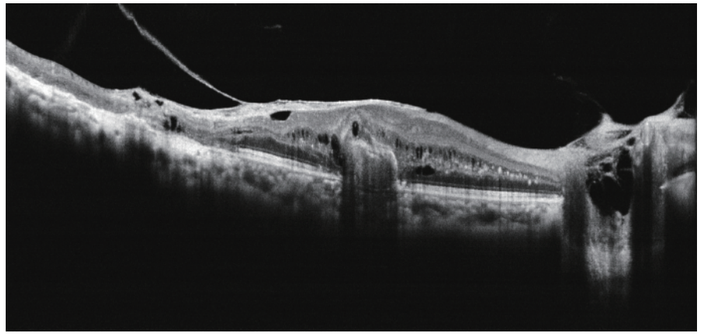
12mm OCT imaging

MACULA

Macula HD Line

High definition OCT imaging reveals hidden pathological changes

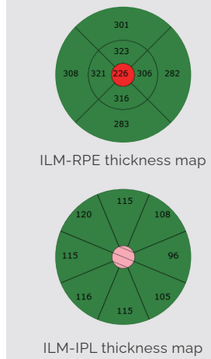




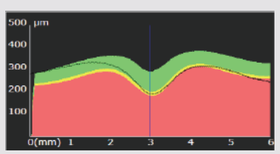
* OCT scan range can be switched between 6 mm and 12 mm

Macula Radial Line

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

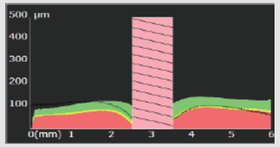


ILM-RPE thickness map



ILM/RPE thickness profile

ILM-IPL thickness map

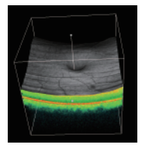


ILM/IPL thickness profile

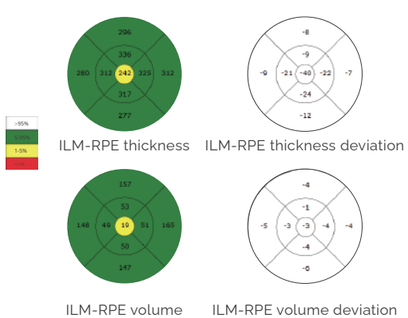
Informative reports

Macula Cube

Assessment of retinal thickness in 6x6mm area



3D view



ILM-RPE thickness

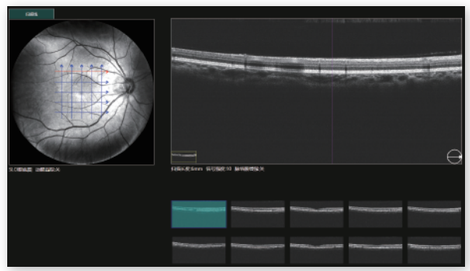
ILM-RPE thickness deviation

ILM-RPE volume

ILM-RPE volume deviation

Macula Multi Lines

Multiple HD cross-sectional images acquisition



GLAUCOMA

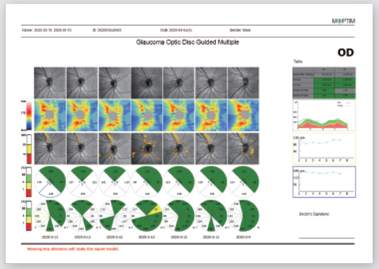
Glaucoma (Macular)

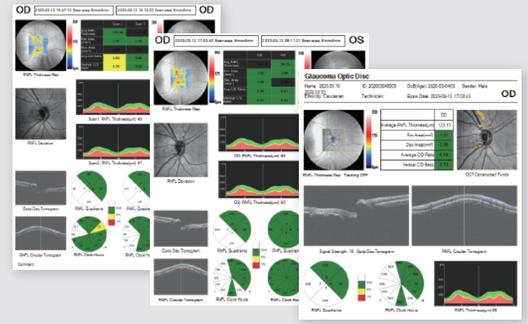
- ILM-IPL thickness analysis for early diagnosis of glaucoma
- Precise follow-up analysis powered by eye tracking

Glaucoma (Disc)

- RNFL analysis
- Cup-disk analysis

Informative Reports

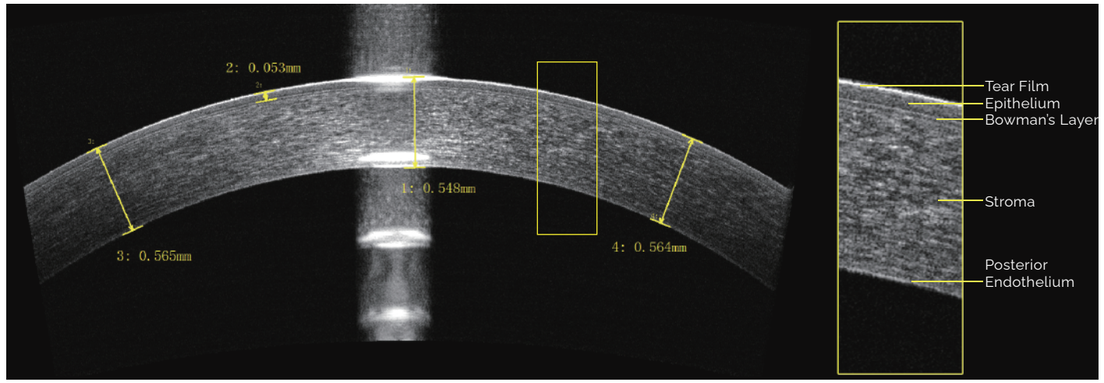




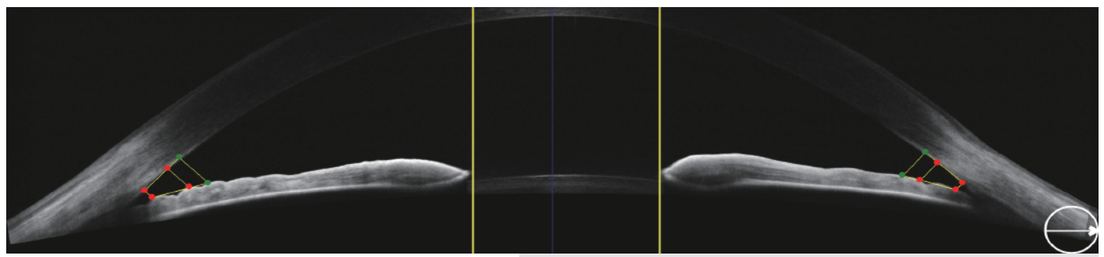
ANTERIOR SEGMENT

Anterior HD Line

High definition OCT imaging of the cornea enables clear visualization of the cornea segmentation

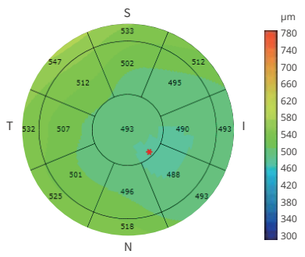


16mm wide angle-to-angle view and automatic angle analysis

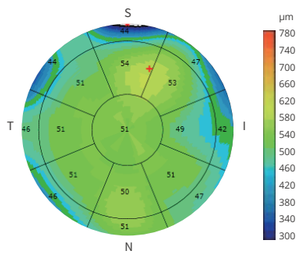


Nasal	AOD500	AOD750	TISA500	TISA750	Theta500	Theta750
	0.345mm	0.545mm	0.108mm²	0.236mm²	27.9°	32.2°
Temporal	AOD500	AOD750	TISA500	TISA750	Theta500	Theta750
	0.494mm²	0.726mm²	0.16mm²	0.327mm²	25.8°	38.7°

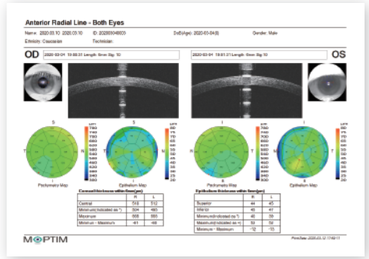
Anterior Radial Line



Pachymetry

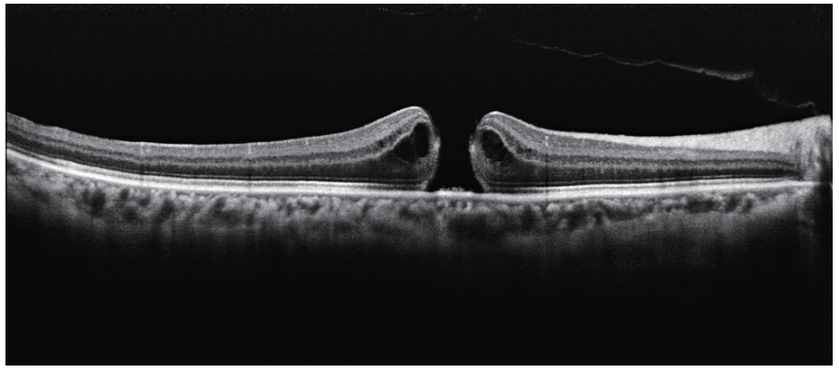


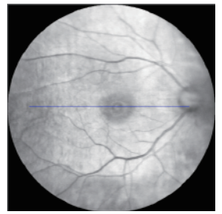
Epithelial thickness map



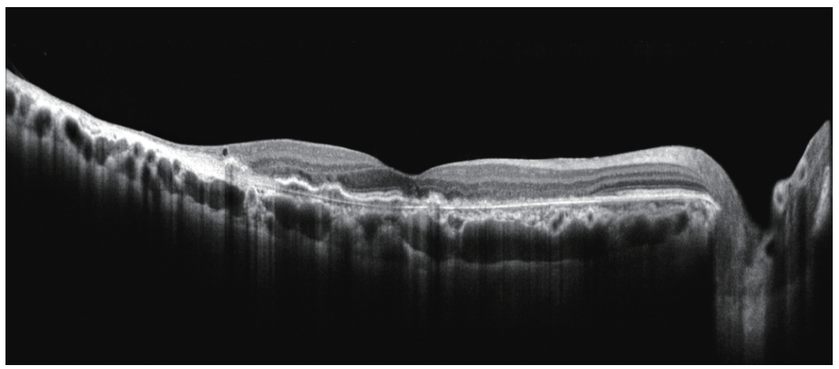
CLINICAL IMAGES

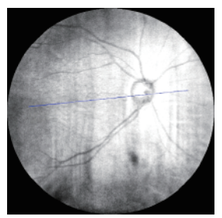
Macular Hole



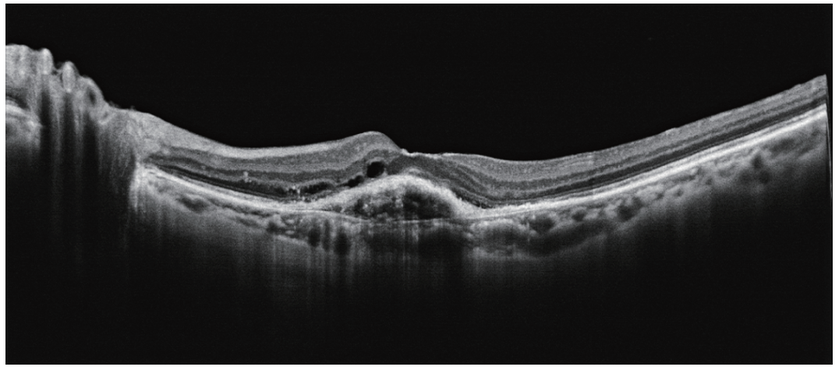


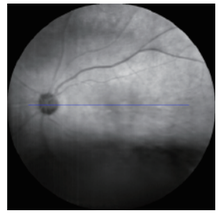
Dry AMD





Wet AMD





SPECIFICATIONS

OCT IMAGING	
Methodology	Spectral domain OCT
Optical source	Super luminescent diode (SLD), 840 nm
Axial resolution (optical)	5 microns (optical), 3.6 microns (digital)
Transverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	3 mm
Diopter range	- 20 to + 20 diopters
Scan patterns	Macular: HD line scan (6 / 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 / 16mm), 6-line radial scan
FUNDUS IMAGING	
Methodology	Line scanning laser ophthalmoscopy (LSLO)
Minimum pupil diameter	3.0 mm
Field of view	45±1 degrees
ELECTRICAL AND PHYSICAL	
Weight	30.5 kg
Dimension	532 mm (L) x 360 mm (W) x 540 mm (H)
Source voltage	AC 100 - 240 V, 50 Hz - 60 Hz
Power input	90 VA

*Specifications are subject to change due to product improvement.

MOPTIM®

CE 0123

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