SPECIFICATIONS

OCT IMAGING	
Methodology	Spectral domain OCT
Optical source	Super luminescent diode (SLD), 840 nm
Scan speed	36,000 A-scans/s
Axial resolution (optical)	5 microns (optical), 2.7 microns (digital)
Tranverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	2.3 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 Disc: 3D scan (6 mm x 6 mm) Anterior: HD line scan (6 mm), 6-line radial scan

FUNDUS IMAGING	
Methodology	Line scanning ophthalmoscopy (LSO)
Frame rate	10 fps
Minimum pupil diameter	3.0 mm
Field of view	47 degrees

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

ELECTRICAL AND PHYSICAL	
Weight	29 kg
Dimension	450 mm (L) x 250 mm (W) x 450 mm (H)
Source voltage	AC 100 - 240 V
Frequency	50 Hz - 60 Hz
Power input	90 VA

Specifications subject to change without notice

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Redefine the quality of entry level OCT

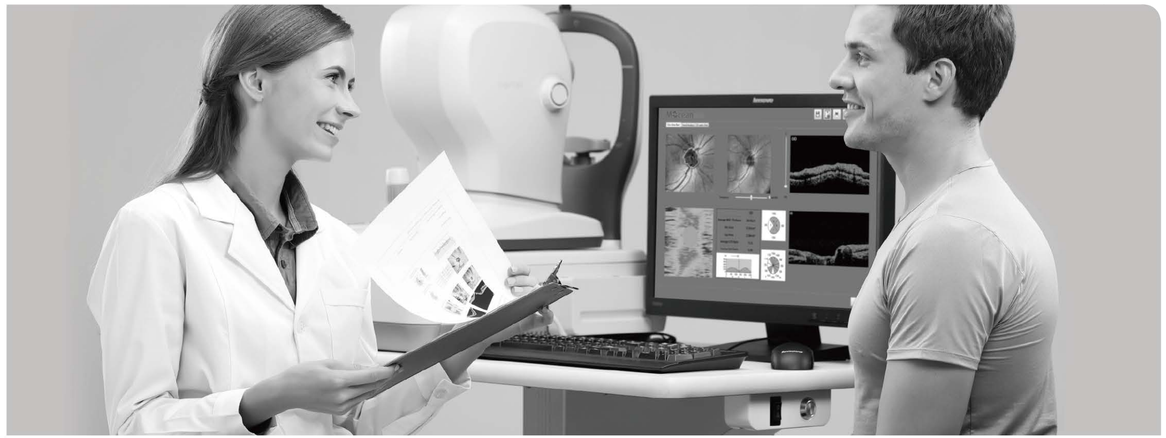
Moptim, as a Chinese leading **M**edical **OPT**ical **IM**aging technology company with 12 years' OCT R&D experience, is proud to introduce MOcean 3000/3000 plus, an intelligent OCT/LSO combined system with ultra fine image quality, comprehensive analysis function, remarkable user interface and reliable quality.

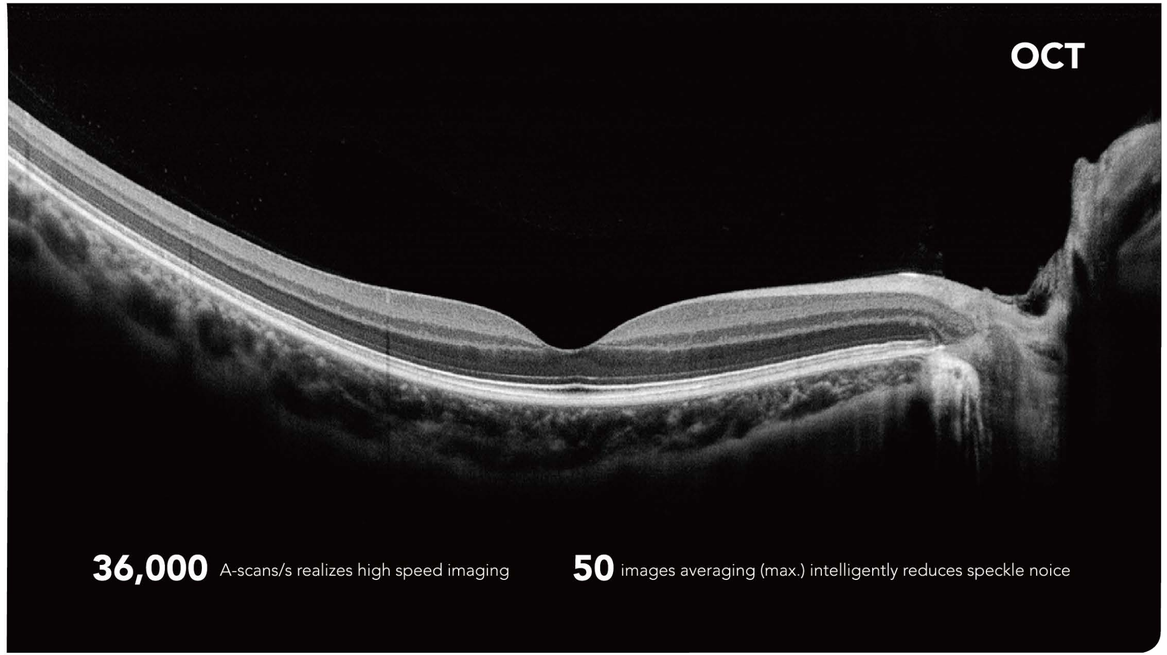
HIGH SPEED & HIGH QUALITY

LSO

Equipped with LSO (Line Scanning Ophthalmoscopy) , MOcean 3000 provides simultaneously high quality fundus imaging, which is easy for physicians to localize the lesion.

Real-time widefield LSO image





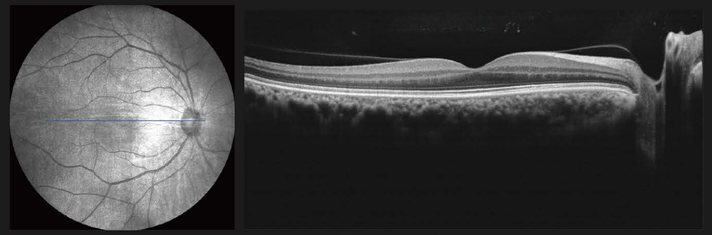
36,000 A-scans/s realizes high speed imaging

50 images averaging (max.) intelligently reduces speckle noice

MACULA

Macular HD line

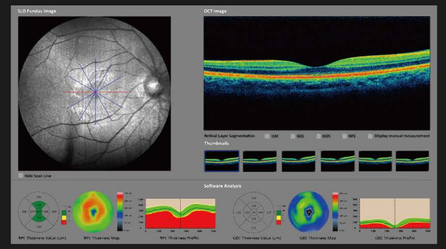
High definition OCT imaging reveals small lesions



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

Macular Six-line Radial

Having a glimpse of the retina with HD imaging and quick data analysis

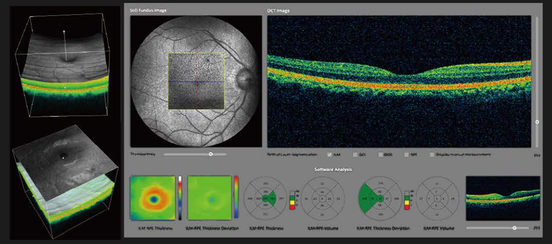


Software Analysis

- Retinal thickness analysis
- Ganglion cell analysis
- High definition OCT imaging with 5 images averaging

Macular Cube

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



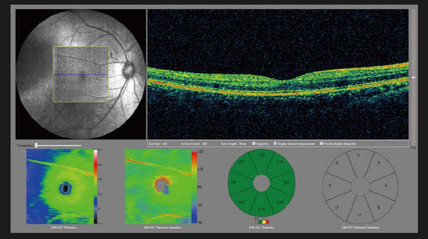
Software Analysis

- Retinal thickness analysis
- Progression analysis
- 3D view
- *En-face* analysis

GLAUCOMA

For comprehensive glaucoma analysis, MOcean 3000/3000 Plus offers two scan modes: glaucoma cube scan in macular area and glaucoma cube scan in disc area. Evenly distributed sampling rate with 200 x 200 A-scans provides reliable information for early glaucoma detection and management.

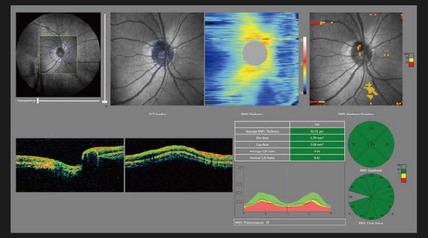
Glaucoma (Macular)



Software Analysis

- Ganglion cell analysis
- Progression analysis

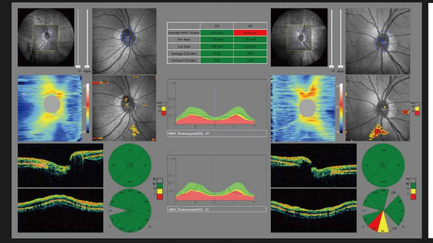
Glaucoma (Disc)



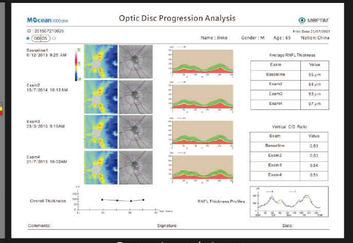
Software Analysis

- RNFL analysis
- Cup-disk analysis
- Calculation circle and circle scan tomogram
- Progression analysis
- OU comparative analysis

Informative Report



OU comparative analysis

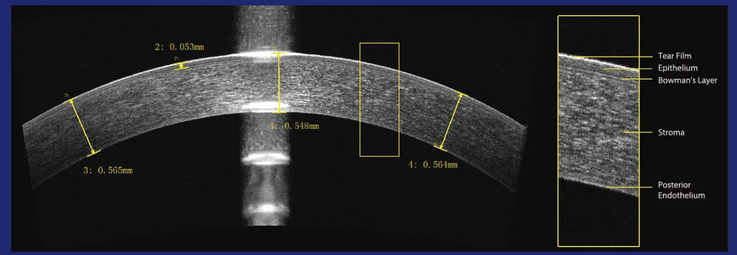


Progression analysis report

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

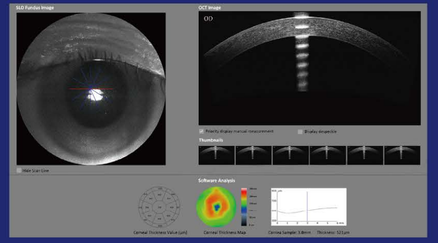


Anterior Chamber Angle

* Manual measurement is available

Anterior Six-line Radial

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



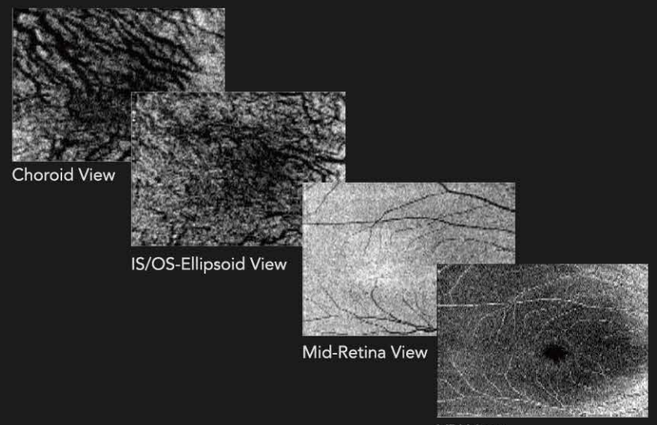
Software Analysis

- Corneal pachymetry
- Manual measurement

PERMIUM FUNCTIONS

En-Face Analysis

En-face OCT provides notable ability to precisely localize lesions within specific subretinal layers.

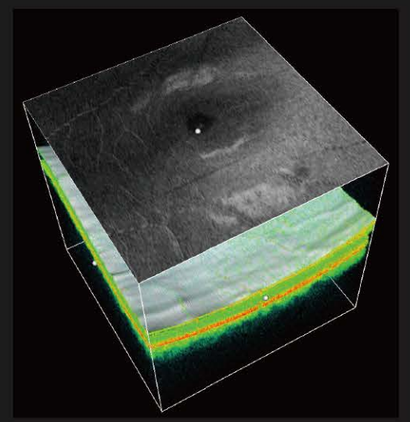


Choroid View

IS/OS-Ellipsoid View

Mid-Retina View

VRI View



3D *En-face* View

Network System

Remote Analysis System

Moptim provides a remote viewer software for displaying, enhancing, analyzing and saving digital images obtained with MOcaen 3000/ 3000 Plus.

Image Acquisition

Patient takes an OCT scan in the scan room.

Remote Diagnosis System

Customer scan are reviewed remotely by specialists at Big Picture Eye Health for over 45 eye pathologies.

The software immediately generates a customer report, including educational content and specialist referral if needed.

**This optional module, which is developed and operated by Big Picture Eye Health, can be connected to MOcean 3000 seamlessly.*

BIG PICTURE
Eye Health

IMAGE GALLERY