



## Optical Coherence Tomography

### 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)
Transverse 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; EDI function
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	532 mm (L) x 360 mm (W) x 540 mm (H)
Source voltage	AC 100 - 240 V
Frequency	50 Hz - 60 Hz
Power input	90 VA

Specifications subject to change without notice.

Technology Research and Development:  
Shenzhen Moptim Imaging Technique Co.,Ltd. [www.moptim.com](http://www.moptim.com)  
Manufacturer:  
Shenzhen Certainn Technology Co.,Ltd. [www.certainn.com](http://www.certainn.com)  
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**Mscean**<sup>™</sup> 3000 / 3000 plus



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Mocean 3000 on Youtube



# Mocean™ 3000/3000 plus

Optical Coherence Tomography

## REDEFINE the quality of entry level OCT

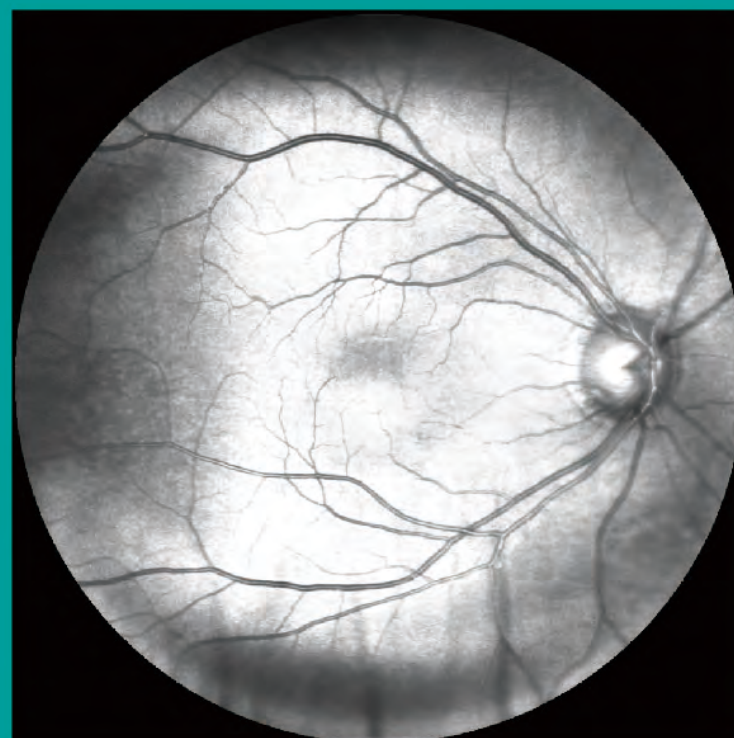
Moptim, as a Chinese leading Medical **OPT**ical **IM**aging technology company with 12 years' OCT R&D experience, is proud to introduce Mocean 3000/3000 plus, an intelligent OCT/LSO combined system with ultra fine image quality, comprehensive analysis function, remarkable user interface and reliable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



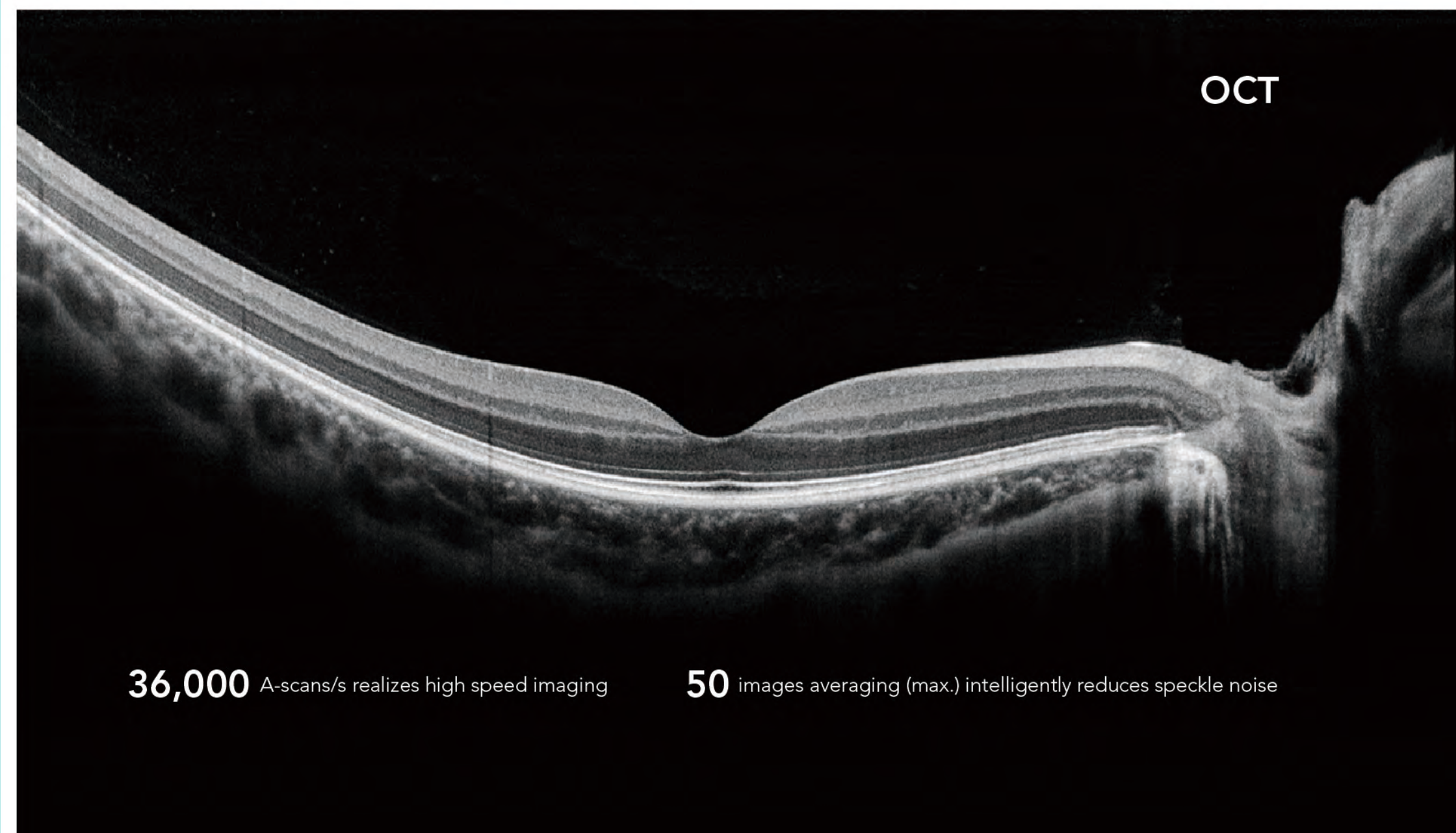
## HIGH SPEED & HIGH QUALITY

### LSO

Equipped with LSO (Line Scanning Ophthalmoscopy), MOcean 3000 provides simultaneously high quality fundus image, 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 noise



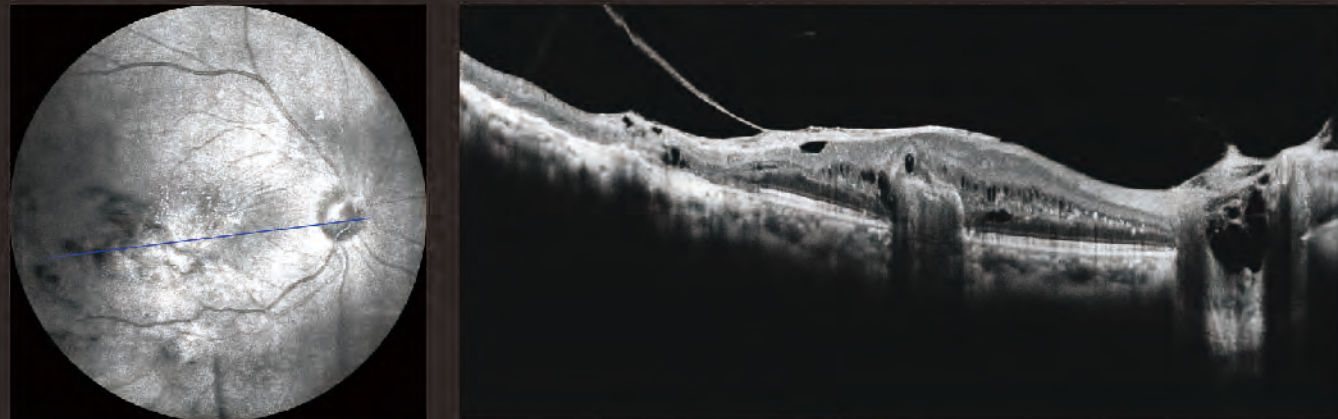
# MACULA

# GLAUCOMA

# ANTERIOR SEGMENT

## Macular HD line

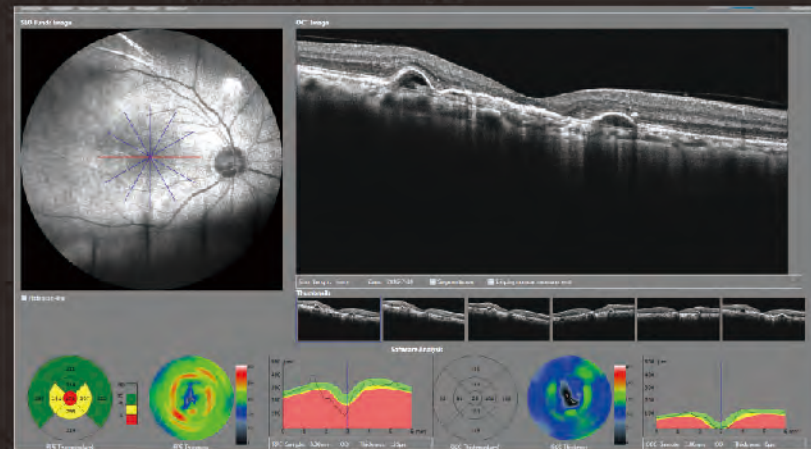
High definition OCT imaging reveals hidden pathological changes



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

## Macular Six-line Radial

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

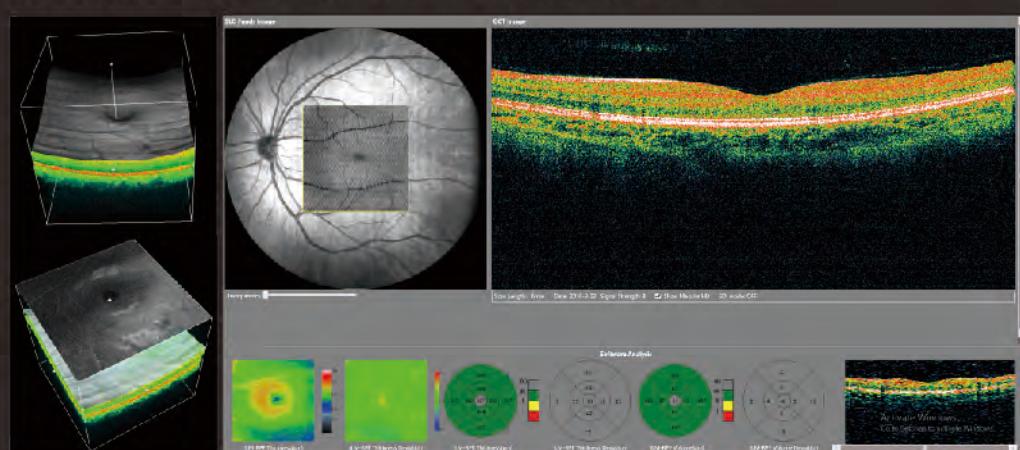


### Software Analysis

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

## Macular Cube

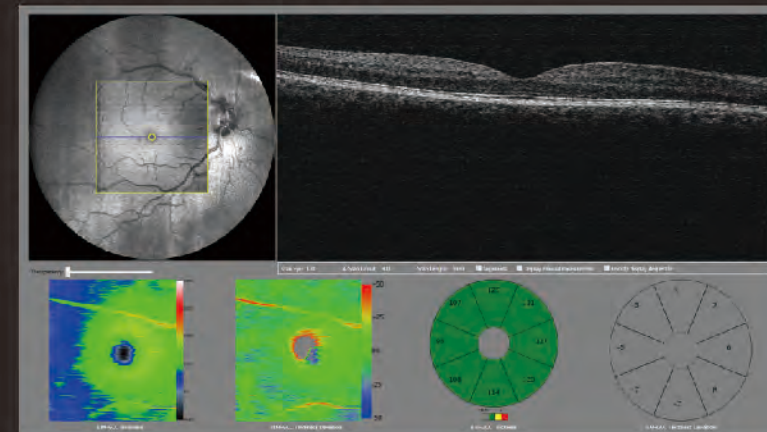
A point-by-point assessment of retinal thickness with a 500 x 100 dense cube



### Software Analysis

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

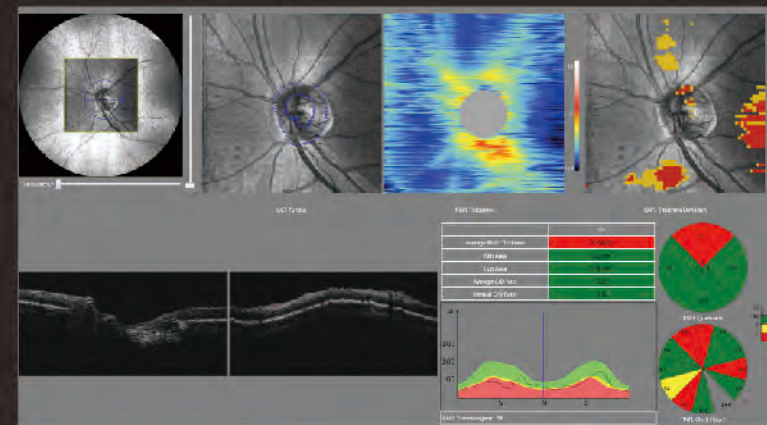
## Glaucoma (Macular)



### Software Analysis

- Ganglion cell analysis
- Progression analysis

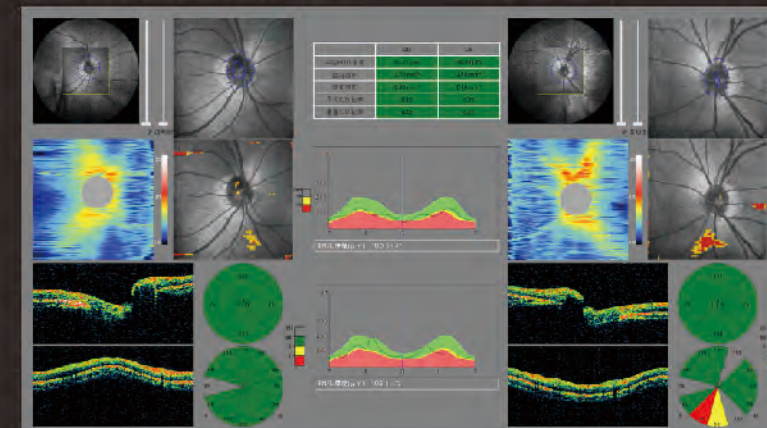
## Glaucoma (Disc)



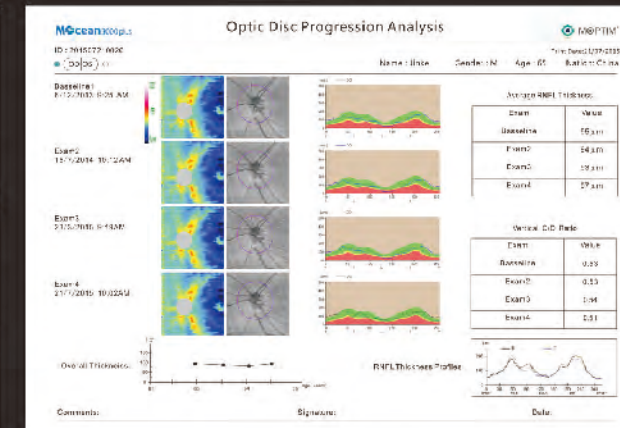
### Software Analysis

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

## Informative Report



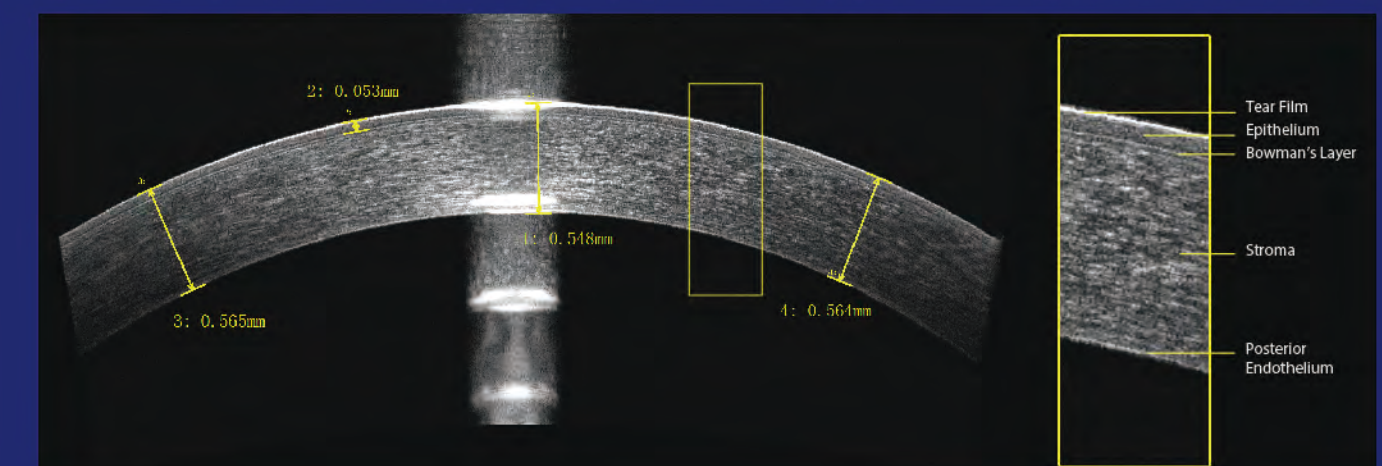
OU comparative analysis



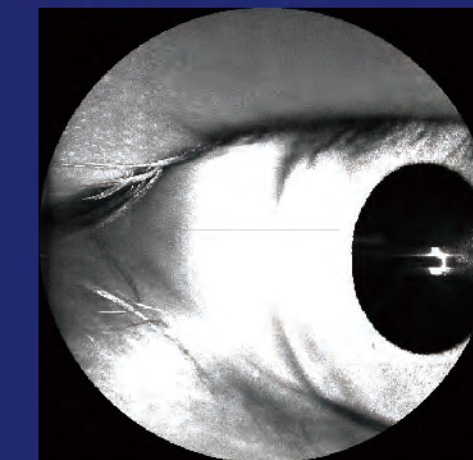
Progression analysis report

## Anterior HD line

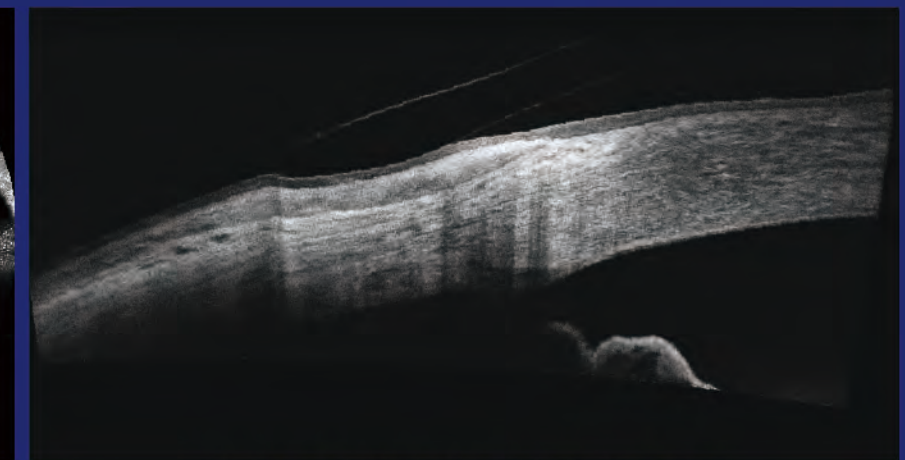
High-definition OCT imaging of the cornea enables localization of the Bowman's layer, the interface between corneal stroma and epithelium



## Anterior Chamber Angle



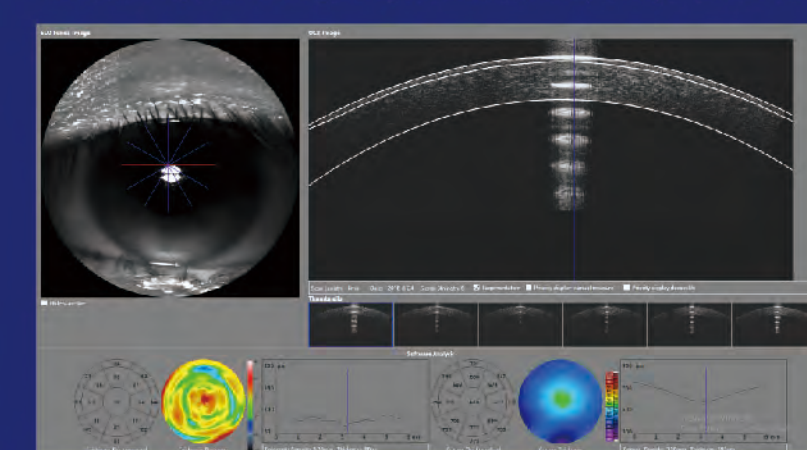
\* Manual measurement is available



Application in examining mini Scлера contact lenses

## 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
- Epithelium-Bowman's layer thickness analysis



# EDI FUNCTION

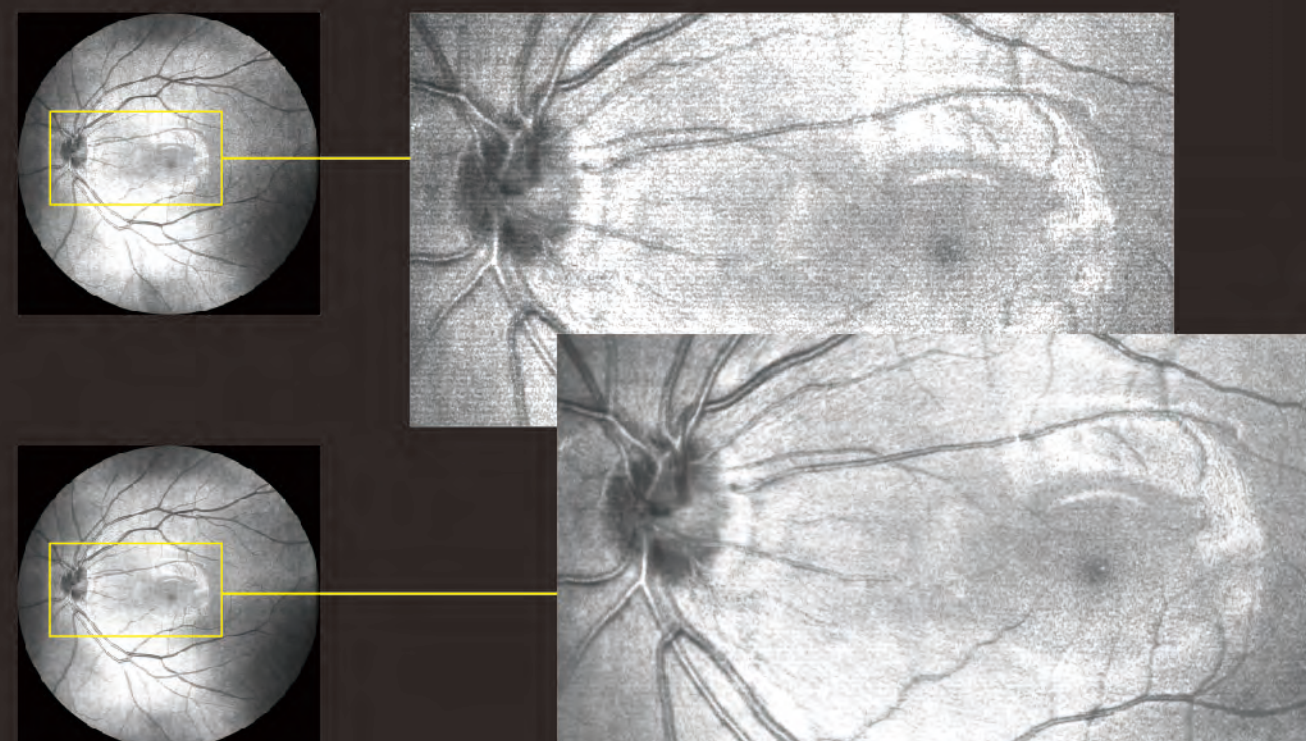
## EDI

Enhanced Depth Imaging unveils more choroidal details



## LSO

50 images averaging (max.) intelligently reduces speckle noise



# IMAGE GALLERY

