



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	2.1 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 laser ophthalmoscopy (LSLO)
Minimum pupil diameter	3.0 mm
Field of view	45 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	30.5 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
Manufacturer:
Shenzhen Certainn Technology Co.,Ltd. www.certainn.com
Bldg. 2-C, Section 2, GOTO Digital Technology Park, No.137 Bulan Rd.,
Buji Subdistrict, Longgang District, Shenzhen 518112, P.R. China
sales@moptim.cn



Miscean[™] 3000/3000 plus



Discover more about
Mocean 3000 on Youtube

Mocean™ 3000/3000 plus

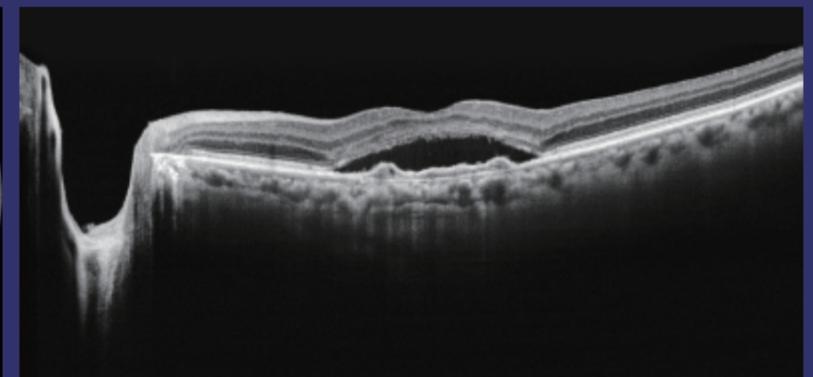
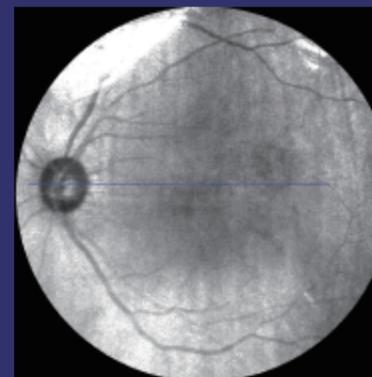
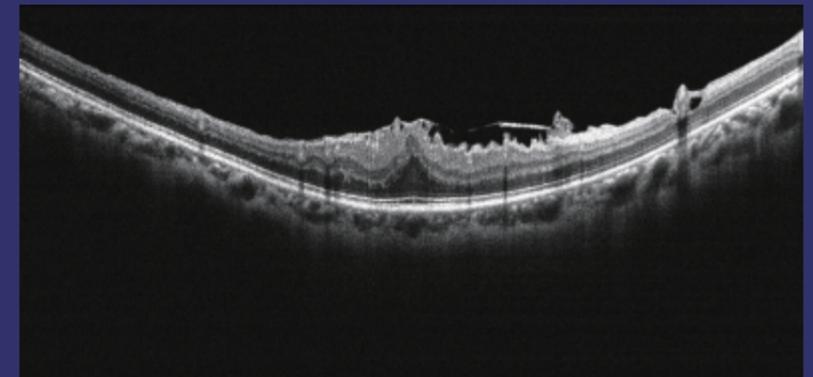
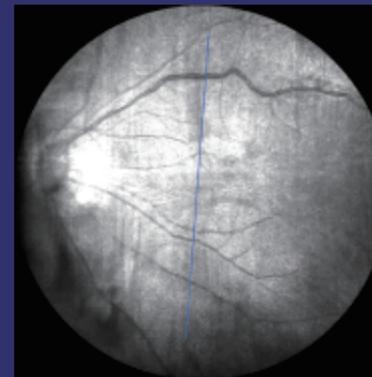
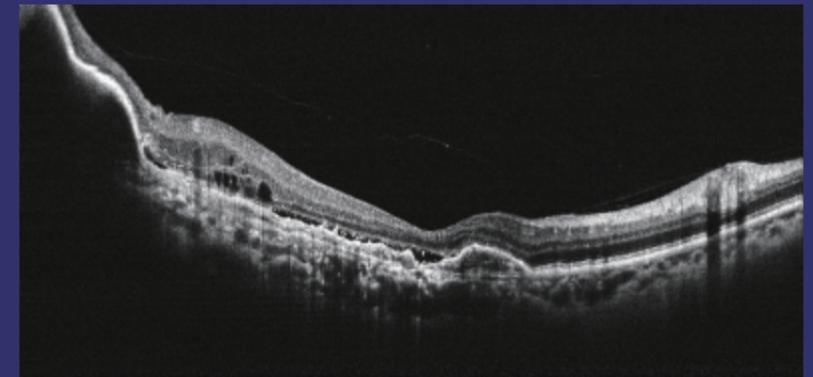
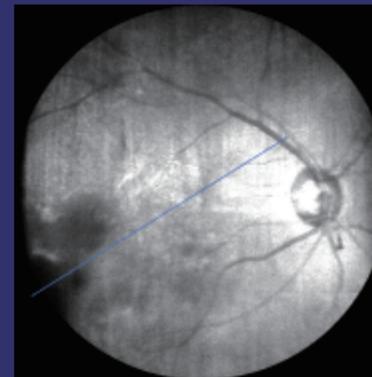
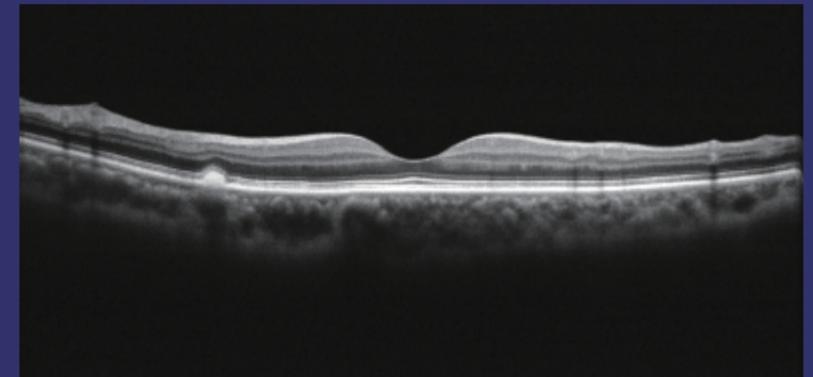
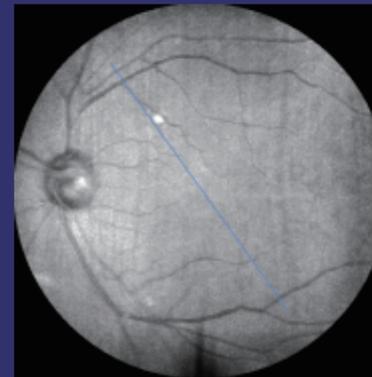
Optical Coherence Tomography

REDEFINE the quality of entry level OCT

Moptim, as a Chinese leading **Medical OPTical IMaging** technology company with 13 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.



IMAGE GALLERY

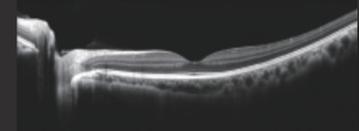


EDI FUNCTION

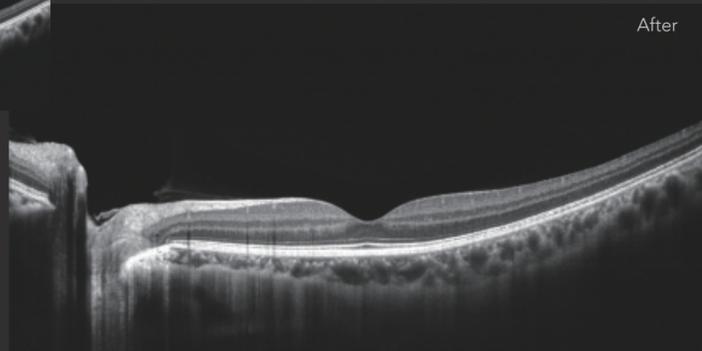
EDI

Enhanced Depth Imaging unveils more choroidal details

Before

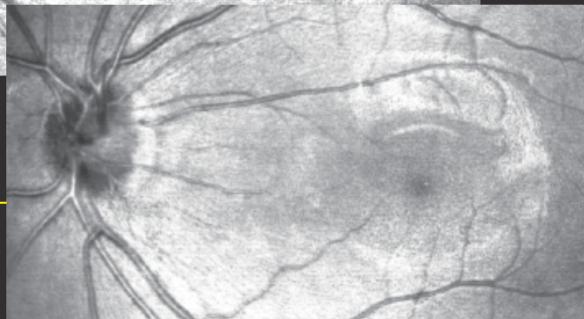
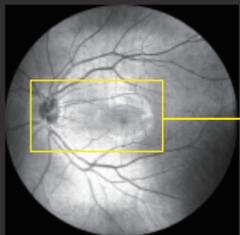
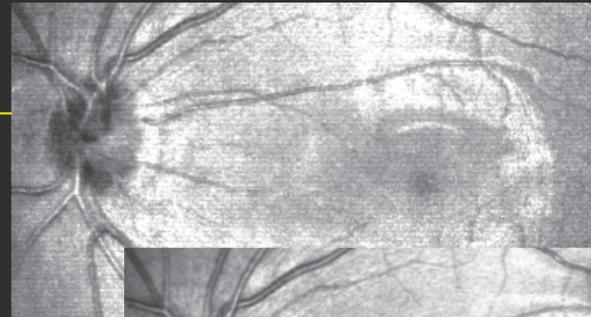
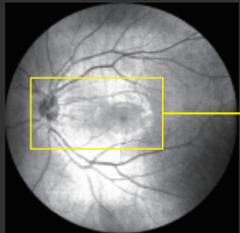


After



LSO

50 images averaging (max.) intelligently reduces speckle noise



HIGH SPEED & HIGH QUALITY

LSO

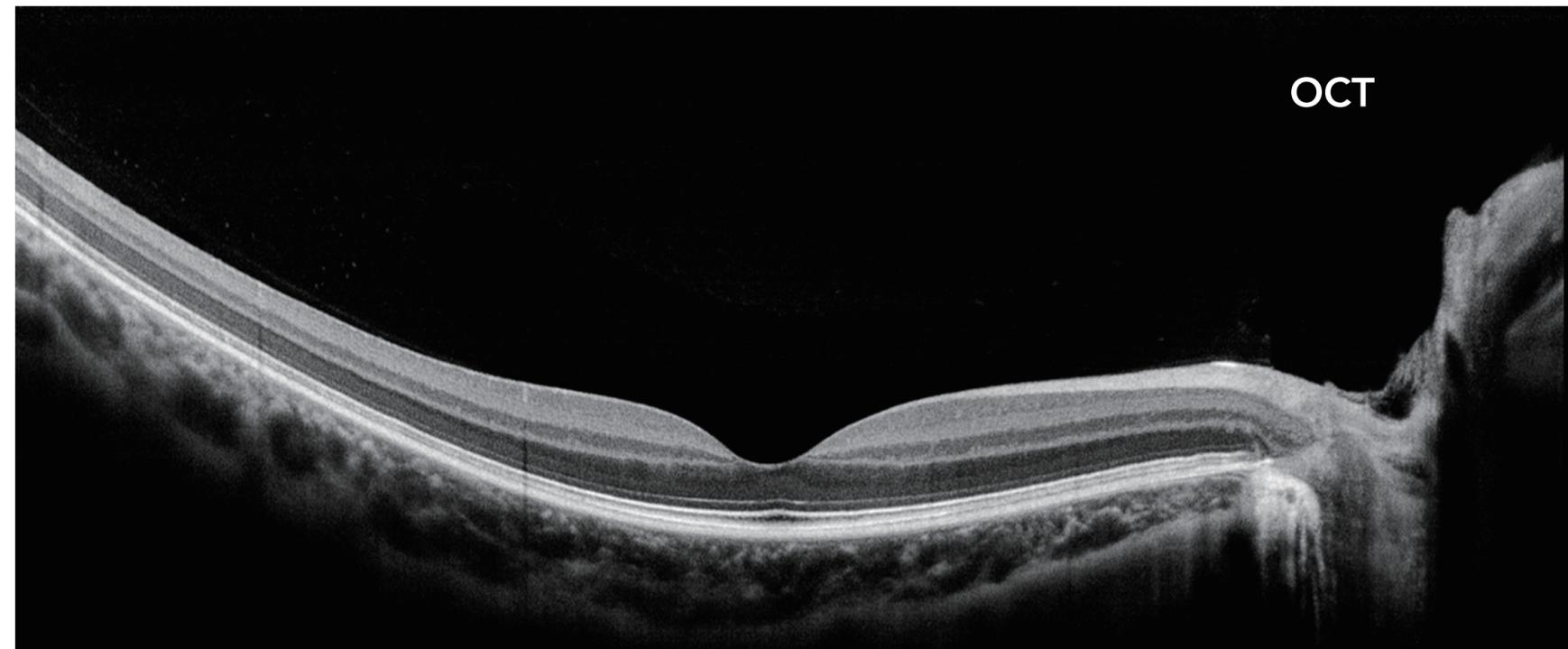
Equipped with LSO (Line Scanning Ophthalmoscopy), Mocean 3000 provides simultaneously high quality fundus image, which is easy for physicians to localize the lesion.



Real-time widefield LSO image



OCT



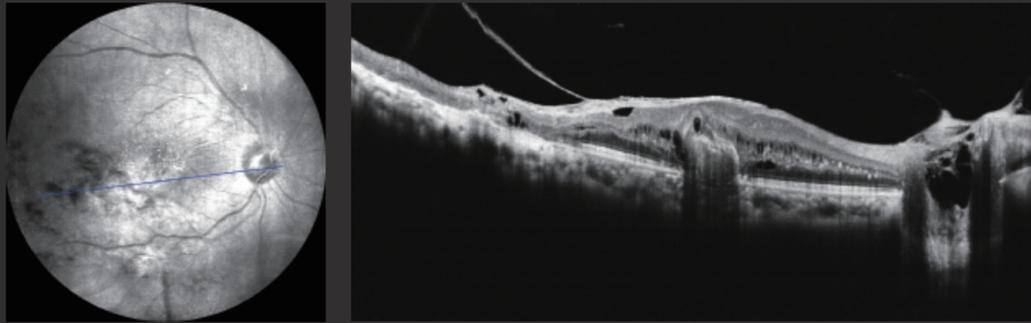
36,000 A-scans/s realizes high speed imaging

50 images averaging (max.) intelligently reduces speckle noise

MACULA

Macular HD line

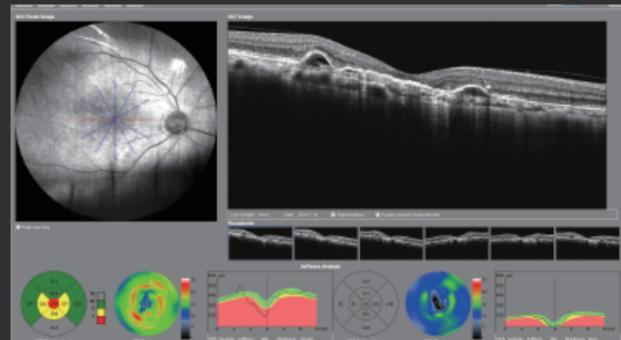
High definition OCT imaging reveals hidden pathological changes



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

Macular Six-line Radial

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

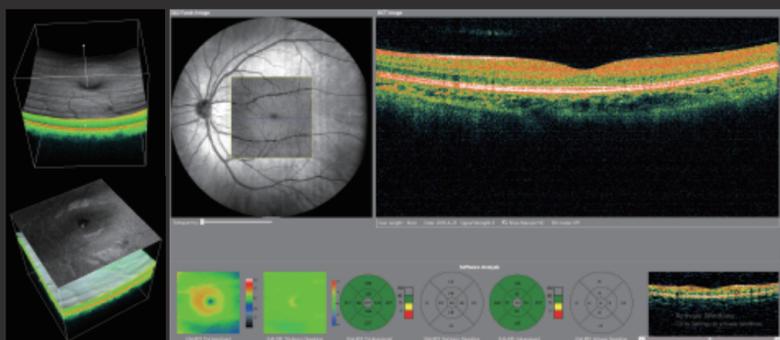


Software Analysis

- 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



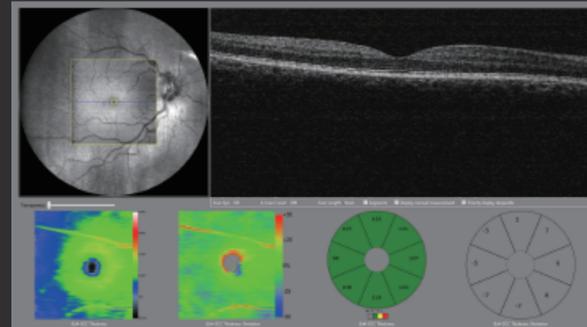
Software Analysis

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

GLAUCOMA

For comprehensive glaucoma analysis, Mocean 3000/3000 Plus 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.

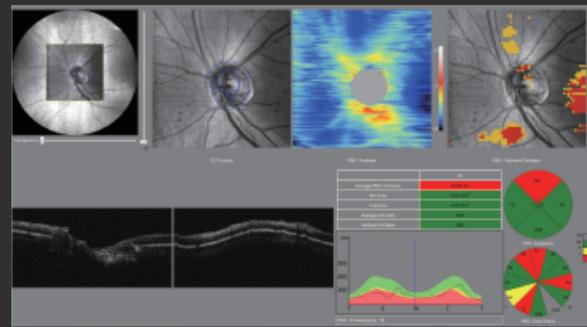
Glaucoma (Macular)



Software Analysis

- Ganglion cell analysis
- Progression analysis

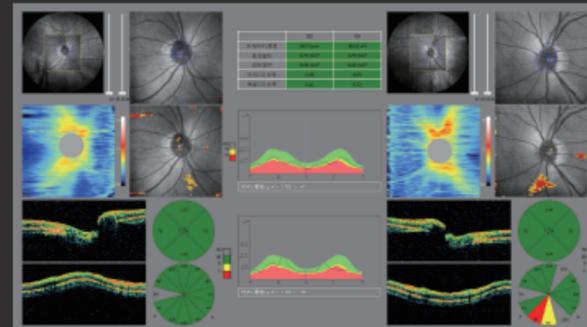
Glaucoma (Disc)



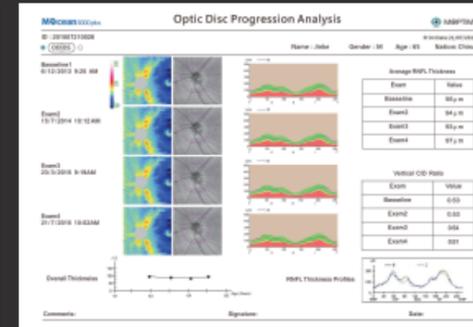
Software Analysis

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

Informative Report



OU comparative analysis

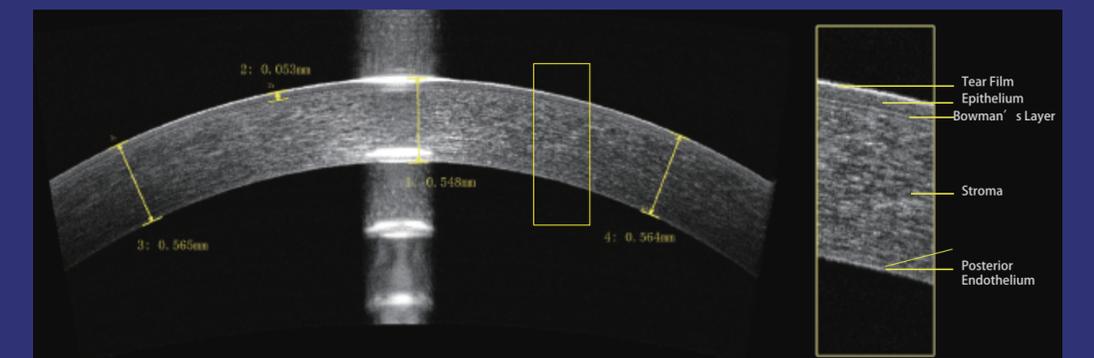


Progression analysis report

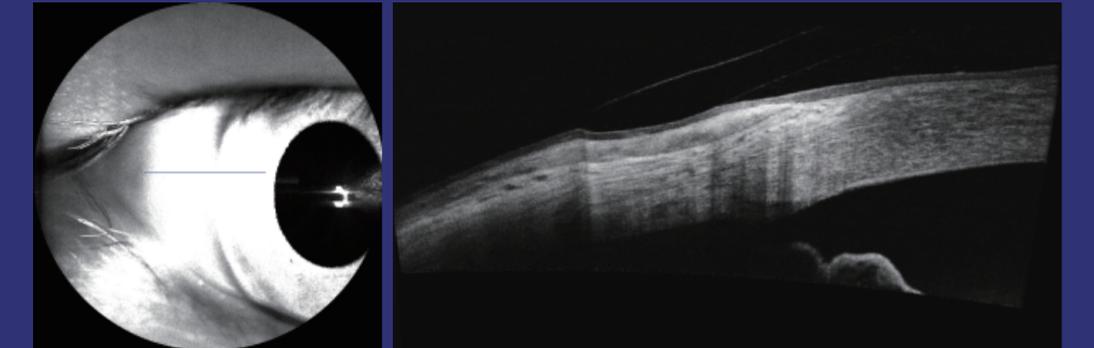
ANTERIOR SEGMENT

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

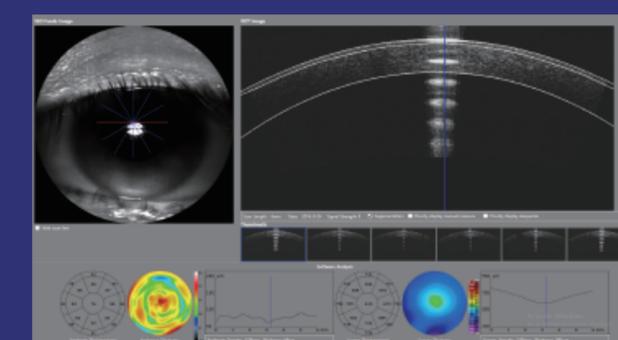


* Manual measurement is available

Application in examining mini Scamera 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