



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:
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MOPTIM[®]
ASPIRING TO SEE MORE



Optical Coherence Tomography

Mocean[™] 3000 / 3000 plus



Discover more about
Mocean 3000 on Youtube

Mocean™ 3000/3000 plus

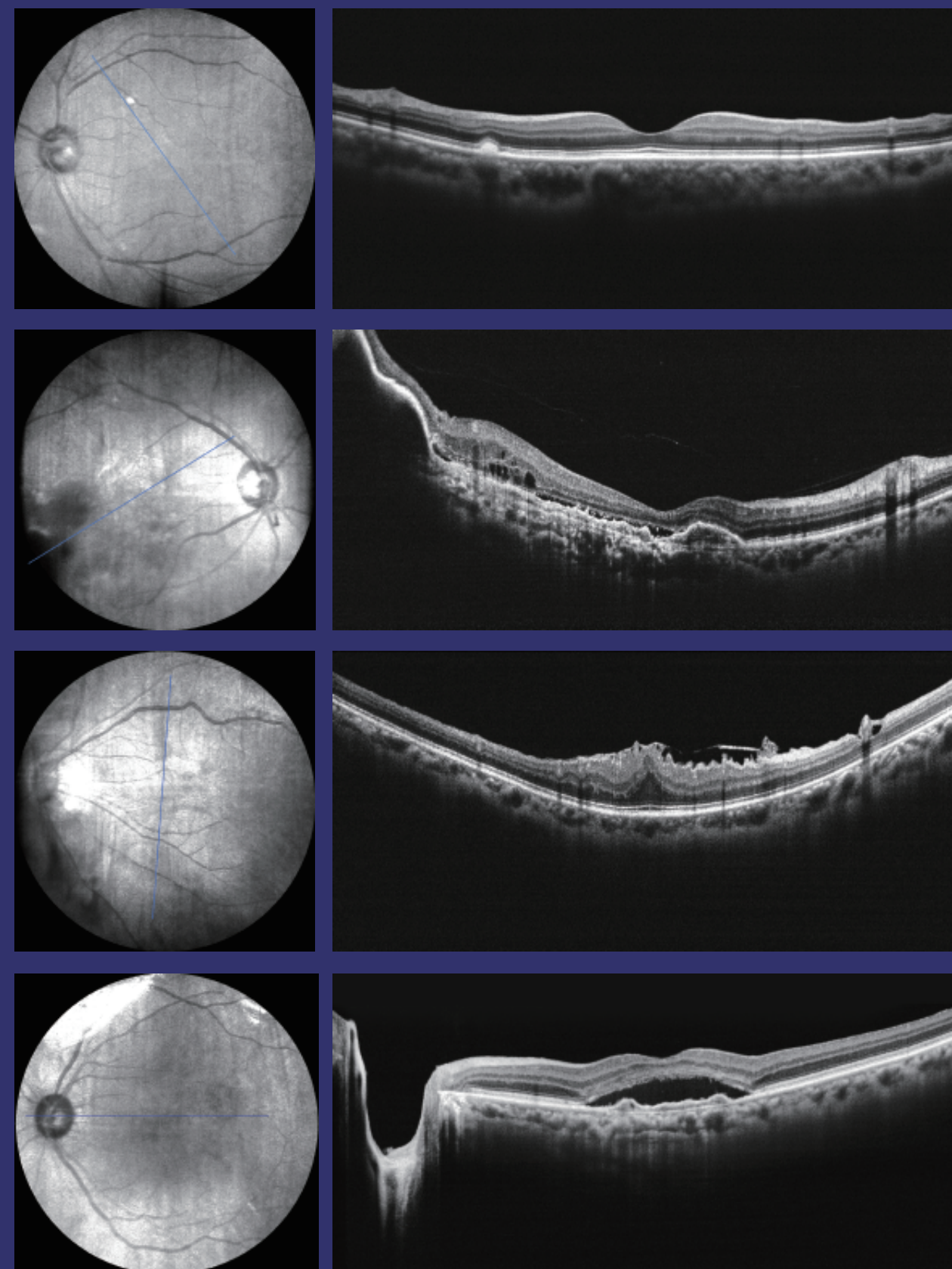
Optical Coherence Tomography

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.

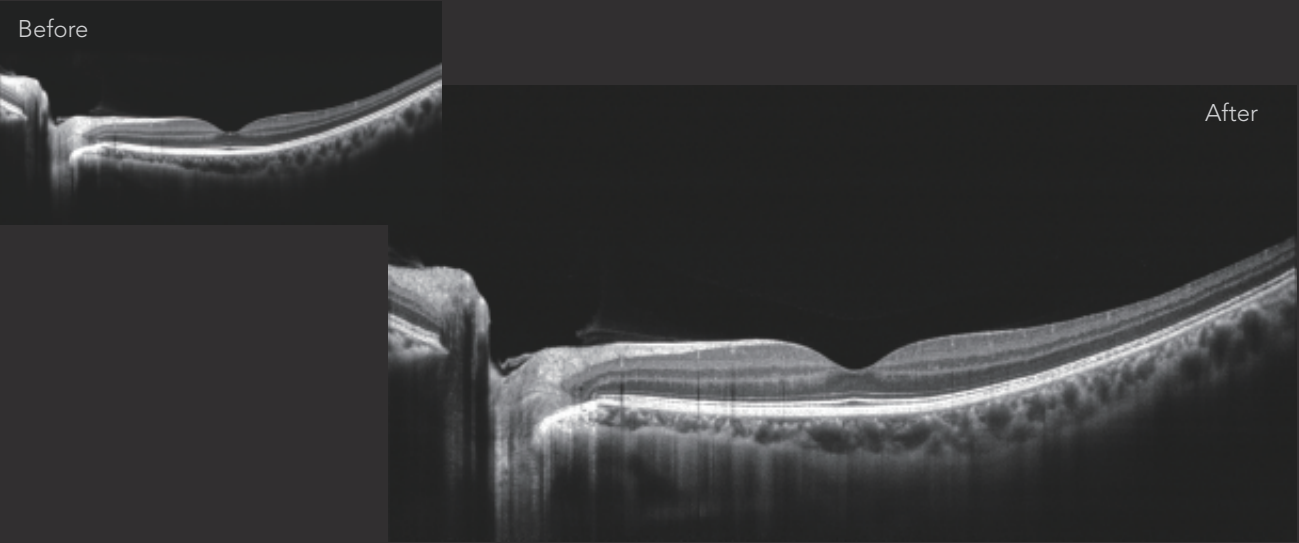


IMAGE GALLERY

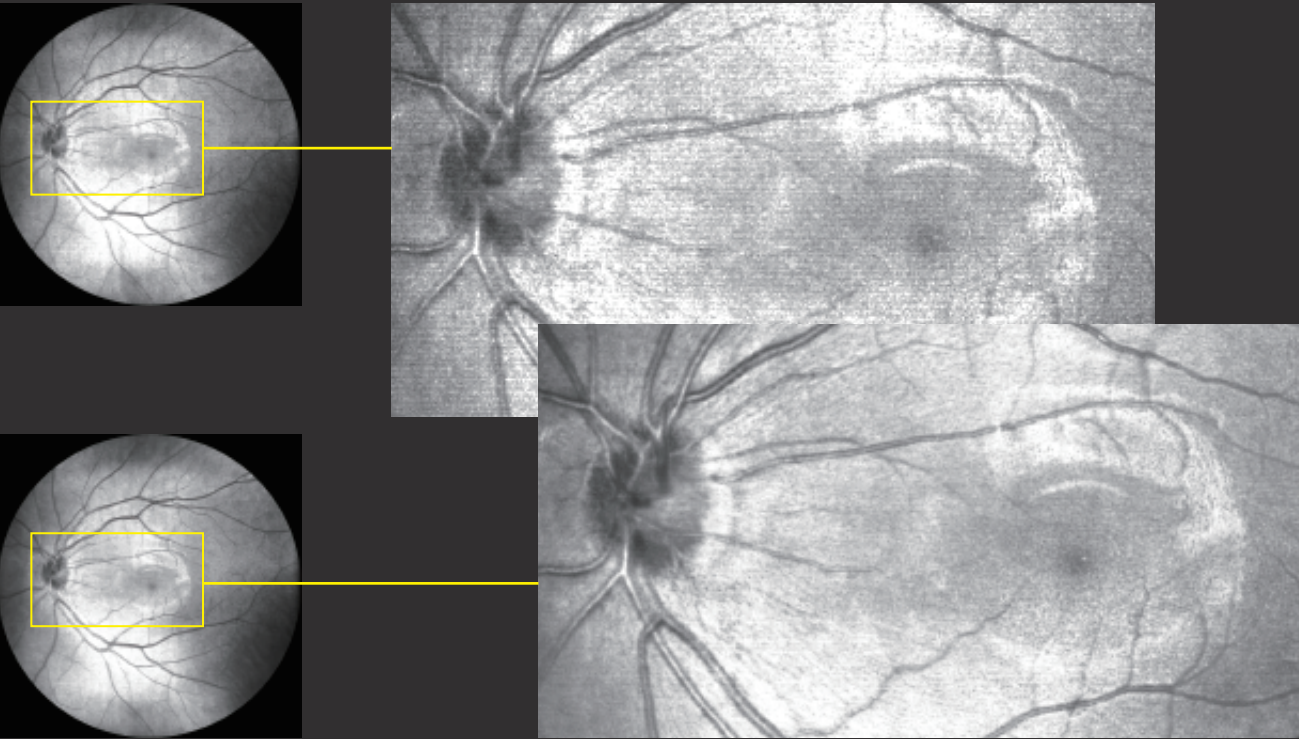


EDI FUNCTION

EDI
Enhanced Depth Imaging unveils more choroidal details



LSO
50 images averaging (max.) intelligently reduces speckle noise

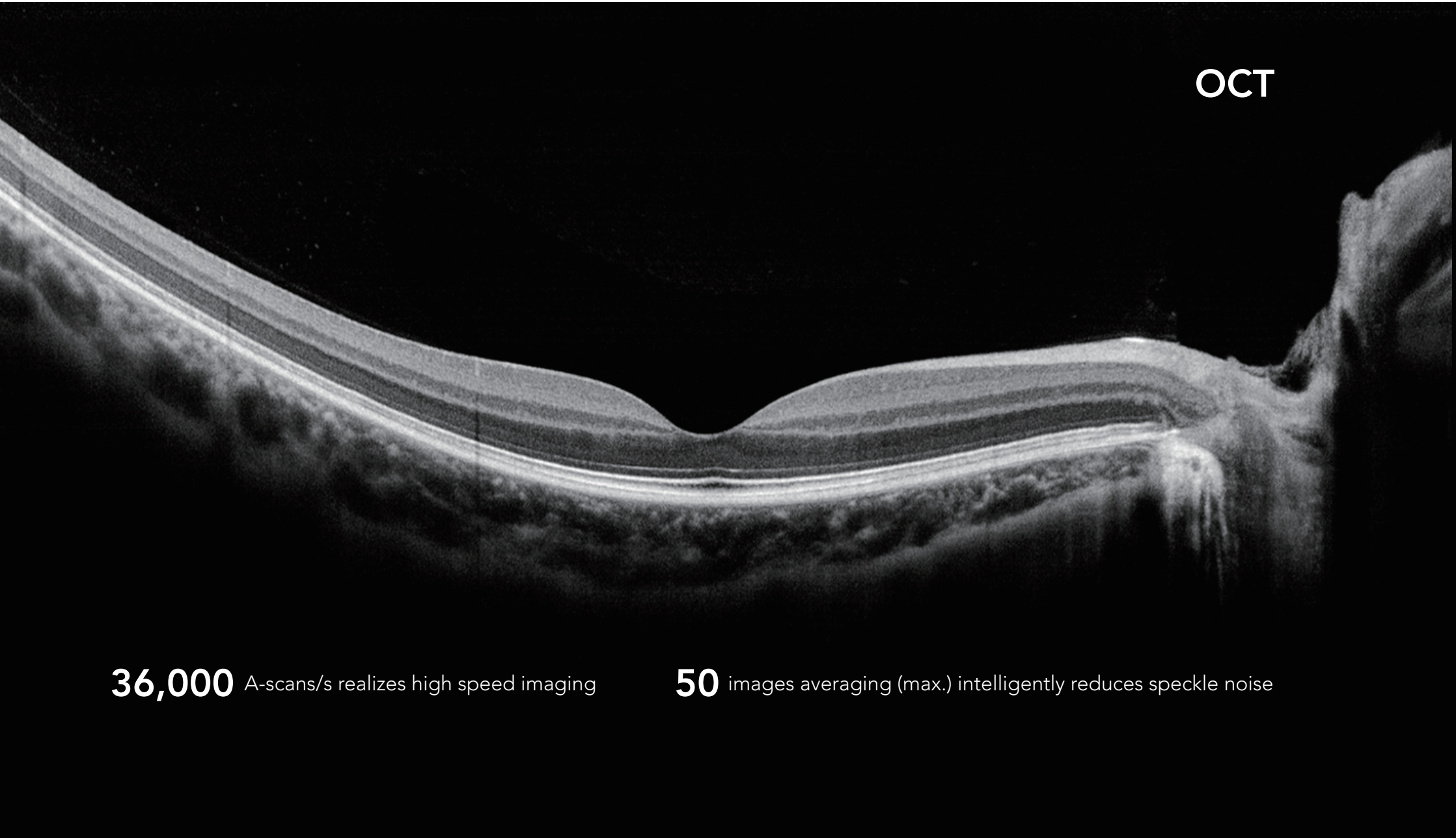


HIGH SPEED & HIGH QUALITY

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

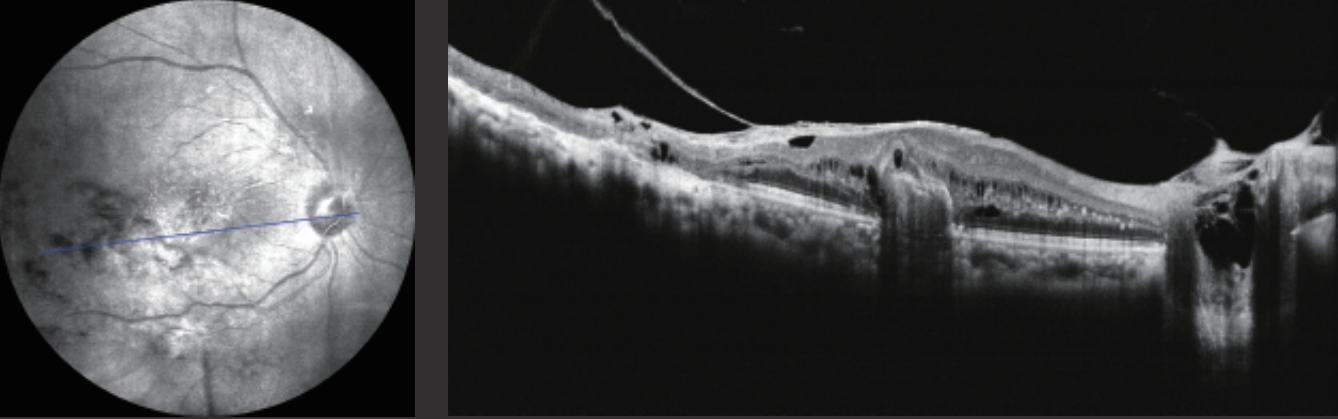


36,000 A-scans/s realizes high speed imaging **50** images averaging (max.) intelligently reduces speckle noise

MACULA

Macular HD line

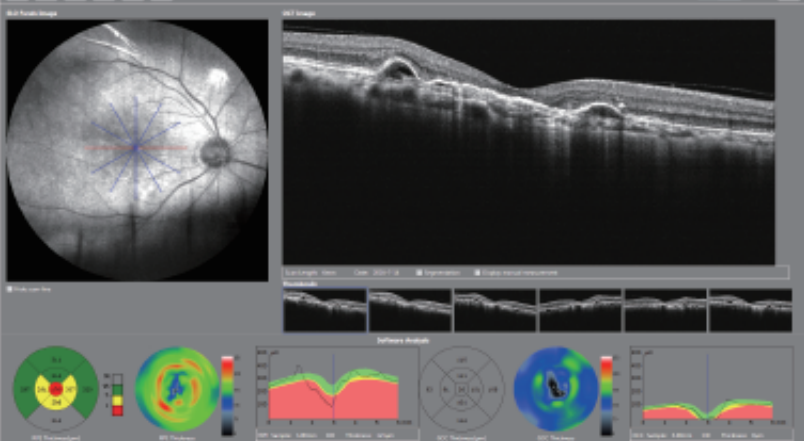
High definition OCT imaging reveals hidden pathological changes



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

Macular Six-line Radial

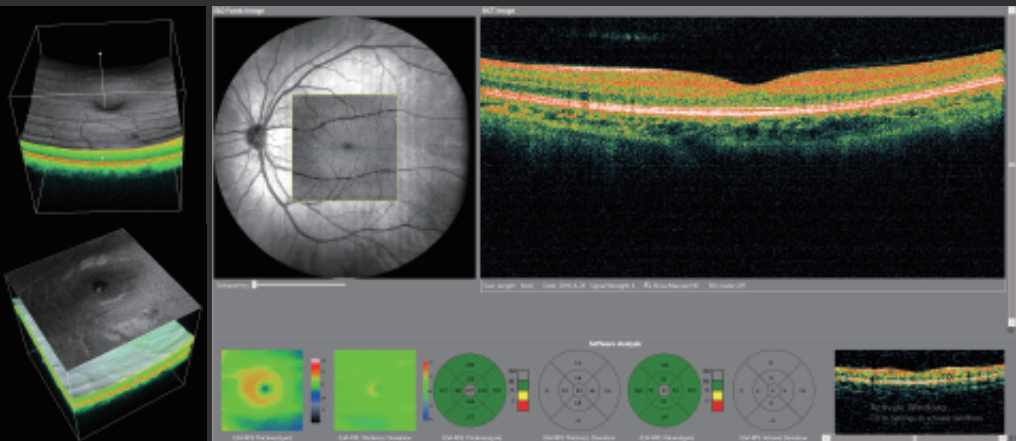
Having a glimpse of the retina via HD imaging and quick data analysis



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

Macular Cube

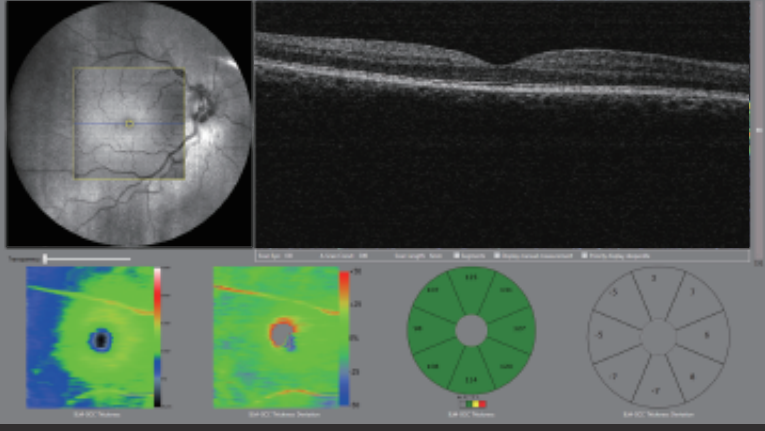
A point-by-point assessment of retinal thickness with a 500 x 100 dense cube



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

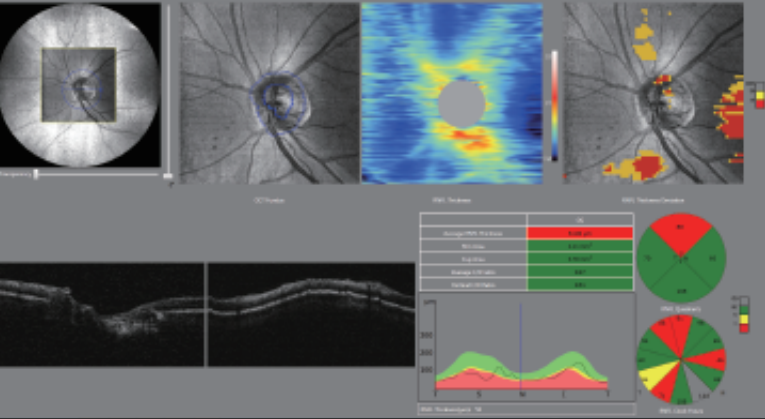
GLAUCOMA

Glaucoma (Macular)



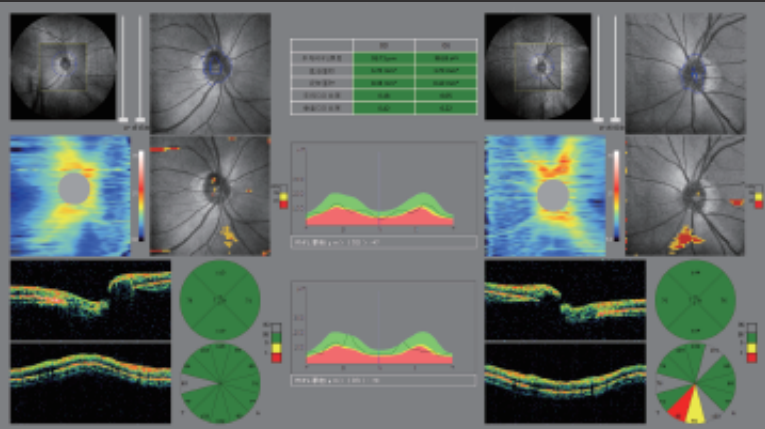
- Software Analysis
- Ganglion cell analysis
 - Progression analysis

Glaucoma (Disc)



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

Informative Report



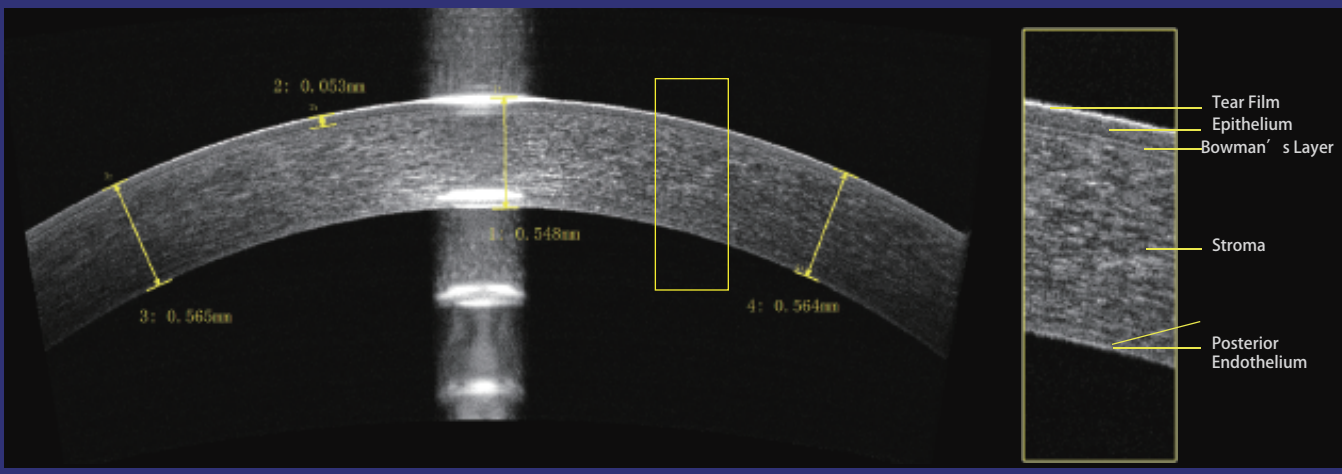
OU comparative analysis

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.

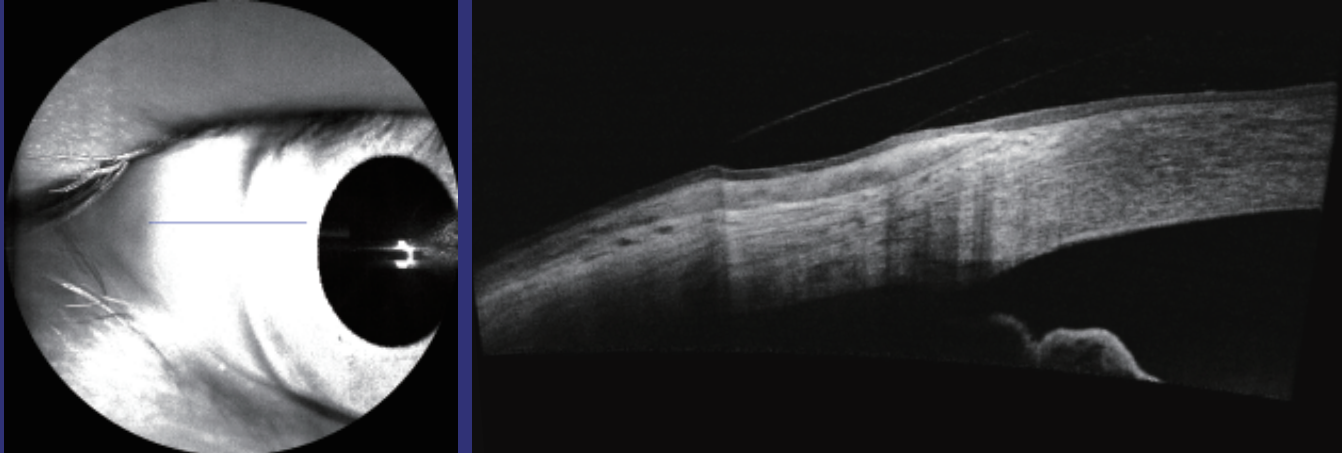
ANTERIOR SEGMENT

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

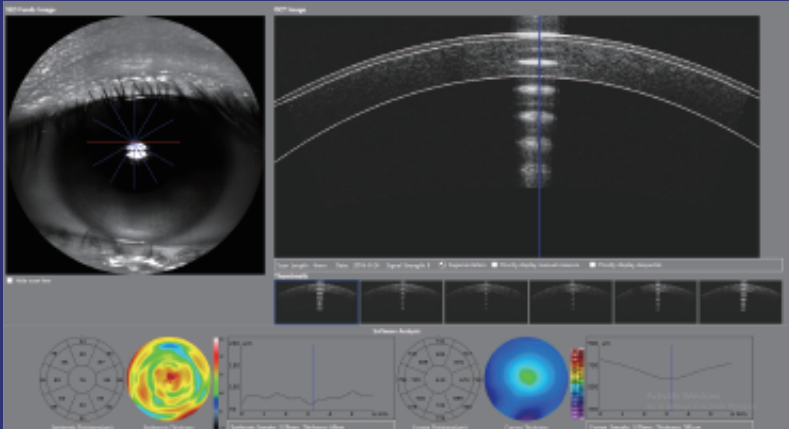


* Manual measurement is available

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