

M<sup>o</sup>PTIM

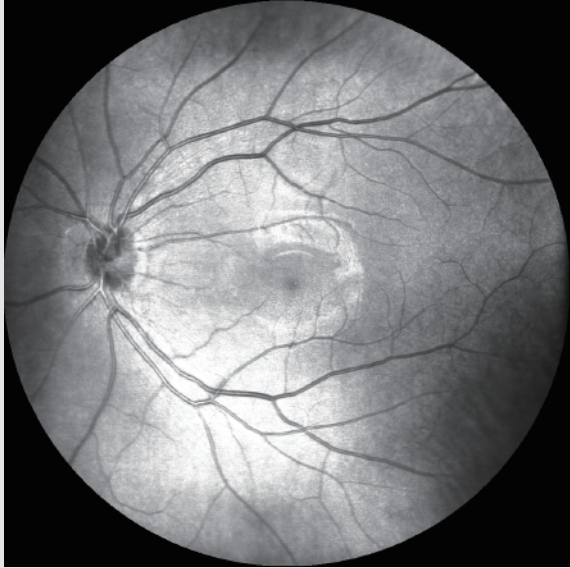


Optical Coherence Tomographer

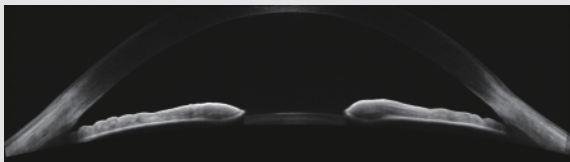
**Mscan**<sup>®</sup> 4000

# Mocean<sup>®</sup> 4000 SLO-OCT

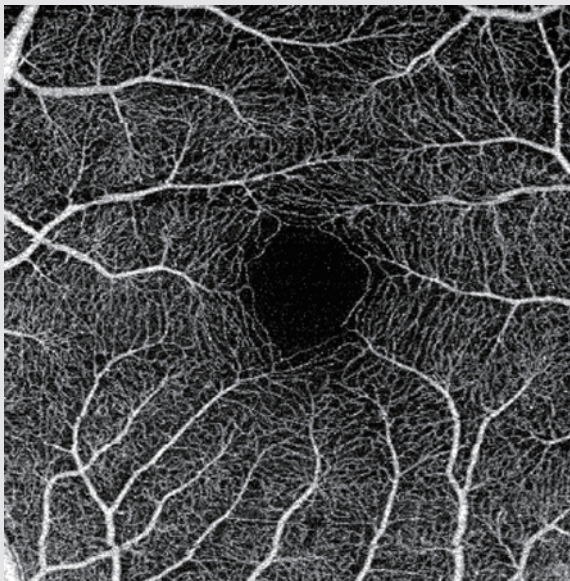
## PREMIUM OCT FOR ADVANCED PRACTICE



45° real-time SLO imaging



16mm angle-to-angle scan



3x3mm VASCAN OCTA imaging (optional)

The Mocean 4000, 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 the Mocean 4000 is the wide range real-time fundus imaging based on Scanning Laser Ophthalmoscope (SLO) technology. With an overview of the retina, it allows user to locate the lesion area easily before acquisition. Moreover, the eye tracker helps to reduce the artifacts caused by eye movements. It performs 100 times tracking per second with 10 microns tracking accuracy and more than 95% success rate, which brings you more confidence in practice.

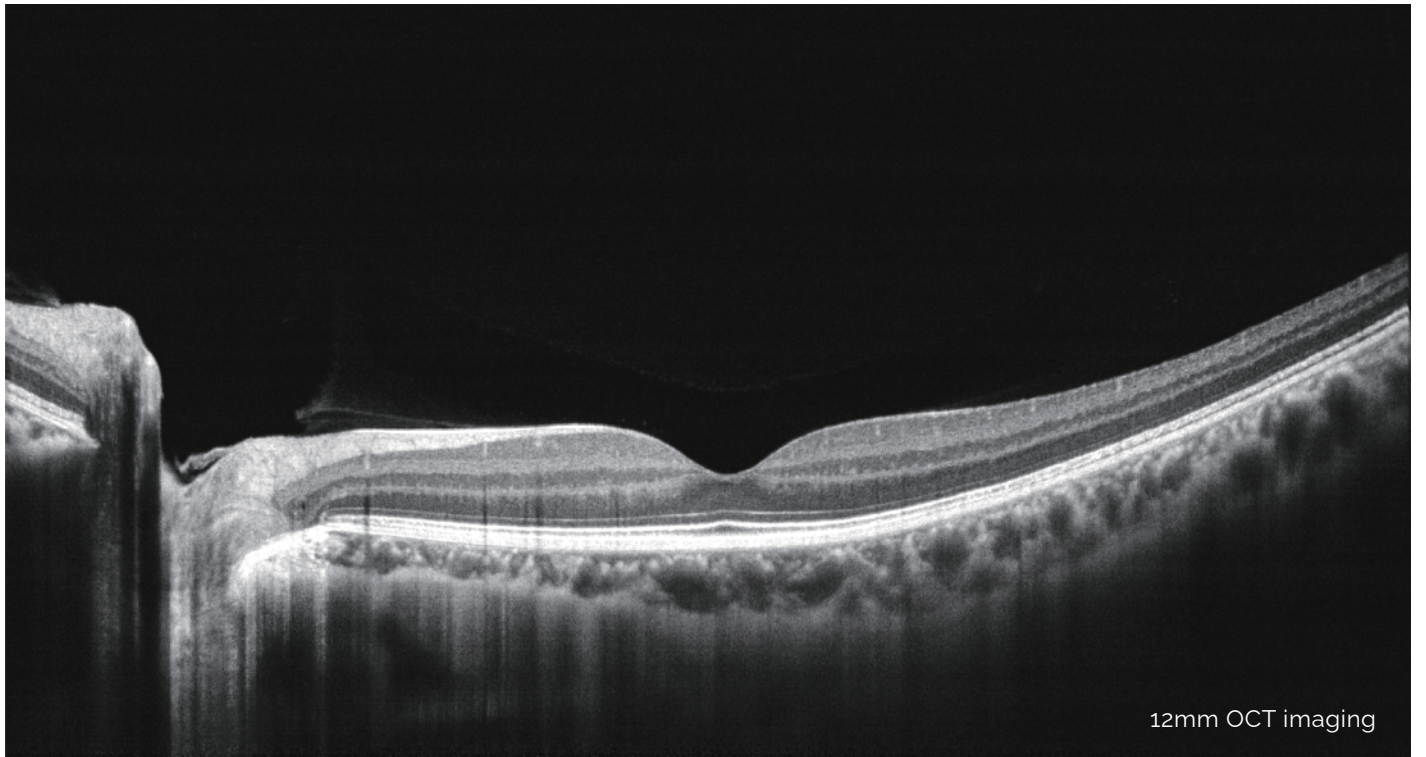
### SLO + EYE TRACKING

- 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

- High scanning speed at 80,000 A-scans/s
- 3mm scan depth shows better details of the vitreous, retina and choroid
- 6-16 mm scan range
- Up to 100 images averaging
- Upgrade to VASCAN OCTA analysis (optional)



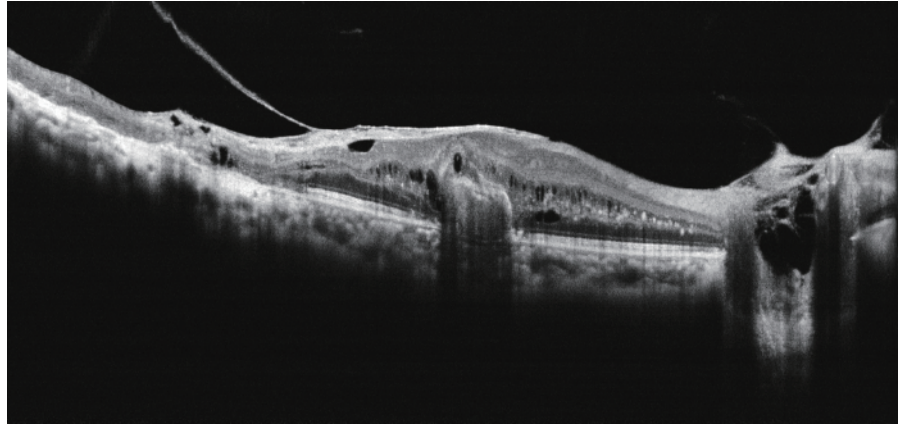
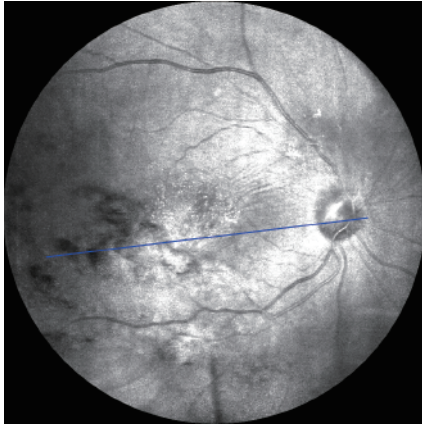


12mm OCT imaging

# MACULA

## Macula HD Line

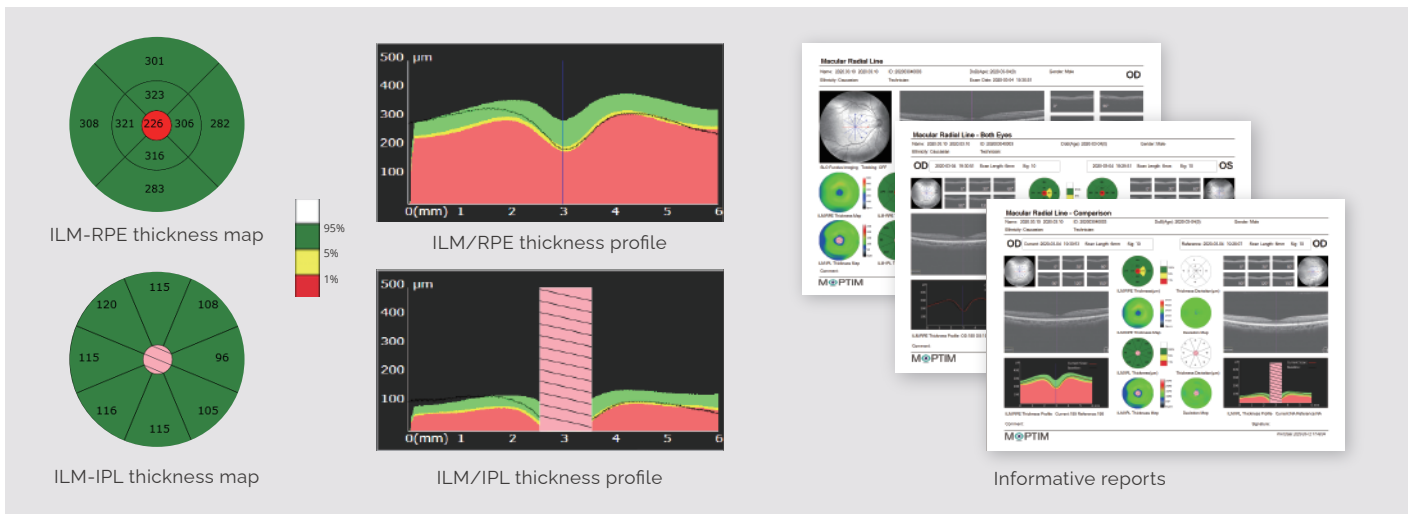
High definition OCT imaging reveals hidden pathological changes



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

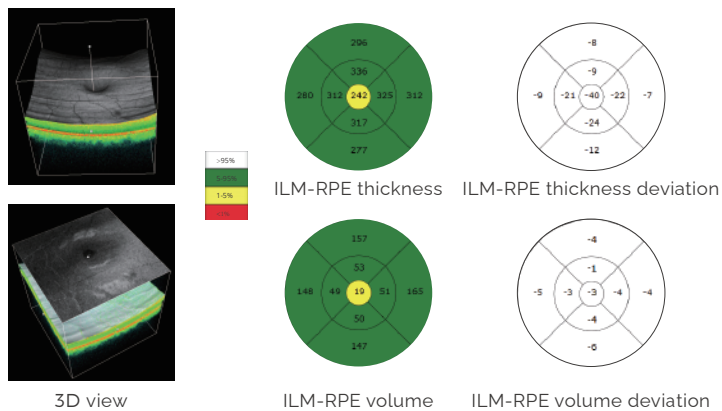
## Macula Radial Line

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



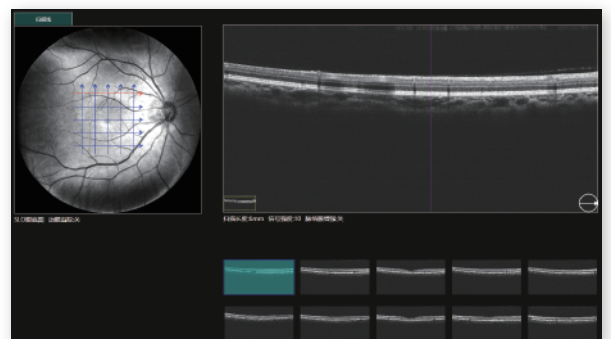
## Macula Cube

Assessment of retinal thickness in 6x6mm area



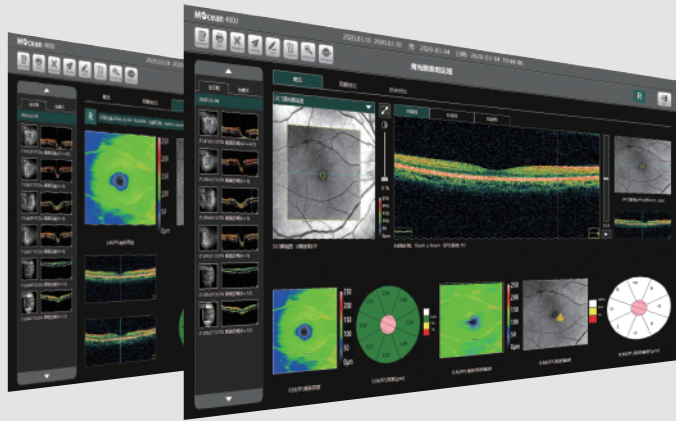
## Macula Multi Lines

Multiple HD cross-sectional images acquisition





# GLAUCOMA



## Glaucoma (Macular)

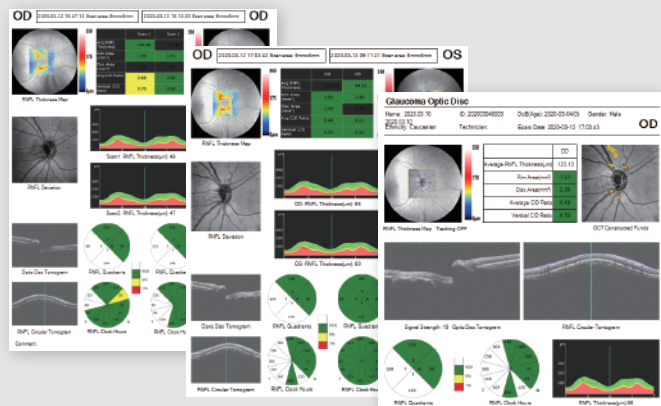
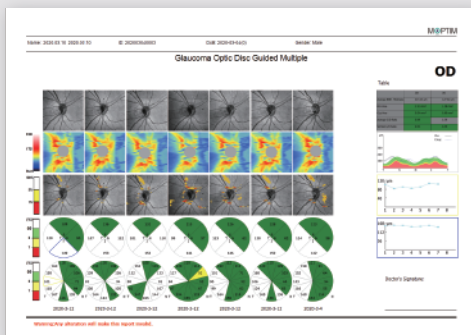
- ILM-IPL thickness analysis for early diagnosis of glaucoma
- Precise follow-up analysis powered by eye tracking

## Glaucoma (Disc)

- RNFL analysis
- Cup-disk analysis



## Reports





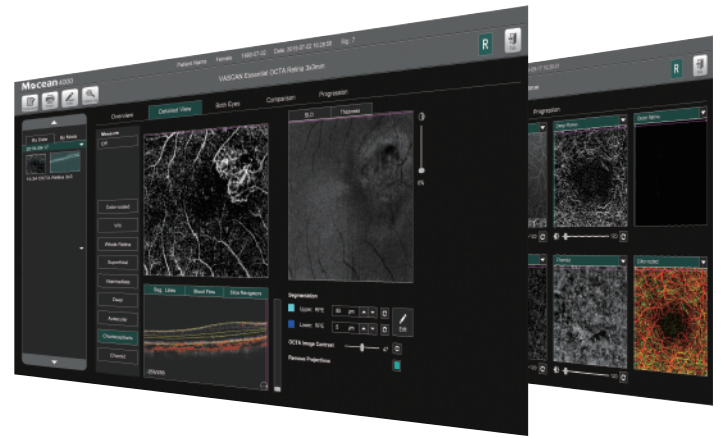


# VASCAN® OCT ANGIOGRAPHY (OPTIONAL)



## Macular Area

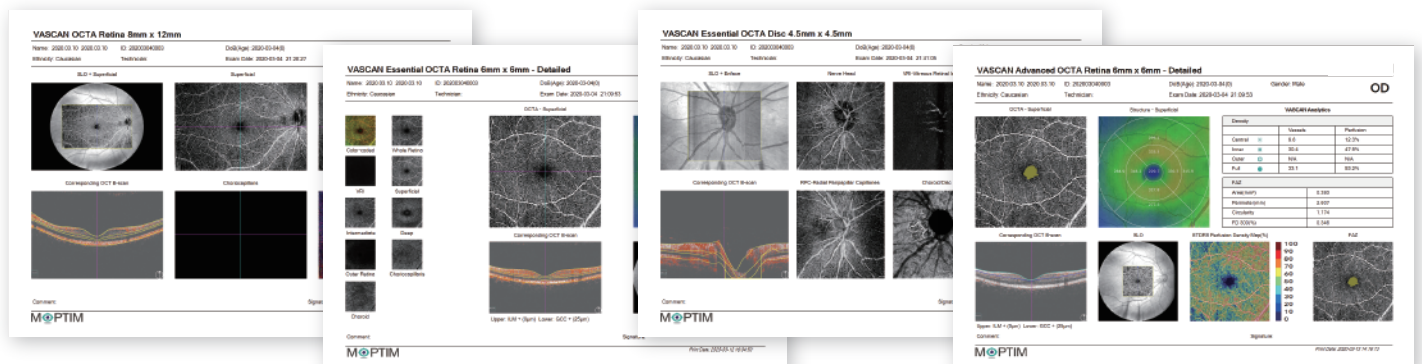
Scan area	Density
3 mm x 3 mm	256 x 256
6 mm x 6 mm	512 x 512
8 mm x 8 mm	512 x 512
12 mm x 8 mm	540 x 360



## Optic Disc Area

Scan area	Density
4.5 mm x 4.5 mm	512 x 512
6 mm x 6 mm	512 x 512

## Reports



# SPECIFICATIONS

OCT IMAGING																							
Methodology	Spectral domain OCT																						
Optical source	Super luminescent diode (SLD), 840 nm																						
Scan speed	80,000 A-scans/s																						
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																						
VASCAN™ OCTA MODULE (OPTIONAL)																							
	<table border="1"> <thead> <tr> <th></th> <th colspan="2">VASCAN Advance</th> <th colspan="2">VASCAN Essential</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Scanning volume/area</td> <td>3mm x 3mm</td> <td>256 x 256 A-scans</td> <td>3mm x 3mm</td> <td>256 x 256 A-scans</td> </tr> <tr> <td>6mm x 6mm</td> <td>360 x 360 A-scans</td> <td>12mm x 8 mm</td> <td>540 x 360 A-scans</td> </tr> <tr> <td>8mm x 8mm</td> <td>360 x 360 A-scans</td> <td></td> <td></td> </tr> <tr> <td>12mm x 8 mm</td> <td>540 x 360 A-scans</td> <td></td> <td></td> </tr> </tbody> </table>		VASCAN Advance		VASCAN Essential		Scanning volume/area	3mm x 3mm	256 x 256 A-scans	3mm x 3mm	256 x 256 A-scans	6mm x 6mm	360 x 360 A-scans	12mm x 8 mm	540 x 360 A-scans	8mm x 8mm	360 x 360 A-scans			12mm x 8 mm	540 x 360 A-scans		
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	12mm x 8 mm	540 x 360 A-scans																					
Algorithm	C-OMAG																						
Segmentation options	Encoded, vitreousretina intrerface(VRI), superfcial retina, deepfcial retinal, outer retina, choriocapillaris, chorioid, custom																						
Quantitative analysis	Yes	Not 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, 50 Hz - 60 Hz																						
Power input	90 VA																						

Specifications are subject to change due to product improvement.



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