



Velite C3000

120,000 A-scan/s High-Speed & Ultra-High Resolution Ultimate OCT Angiography
Serving the Entire Process of Eye Health

Fundus exploration at a glance

[8K]

Ultra HD

Acquisition image resolution
up to 8K

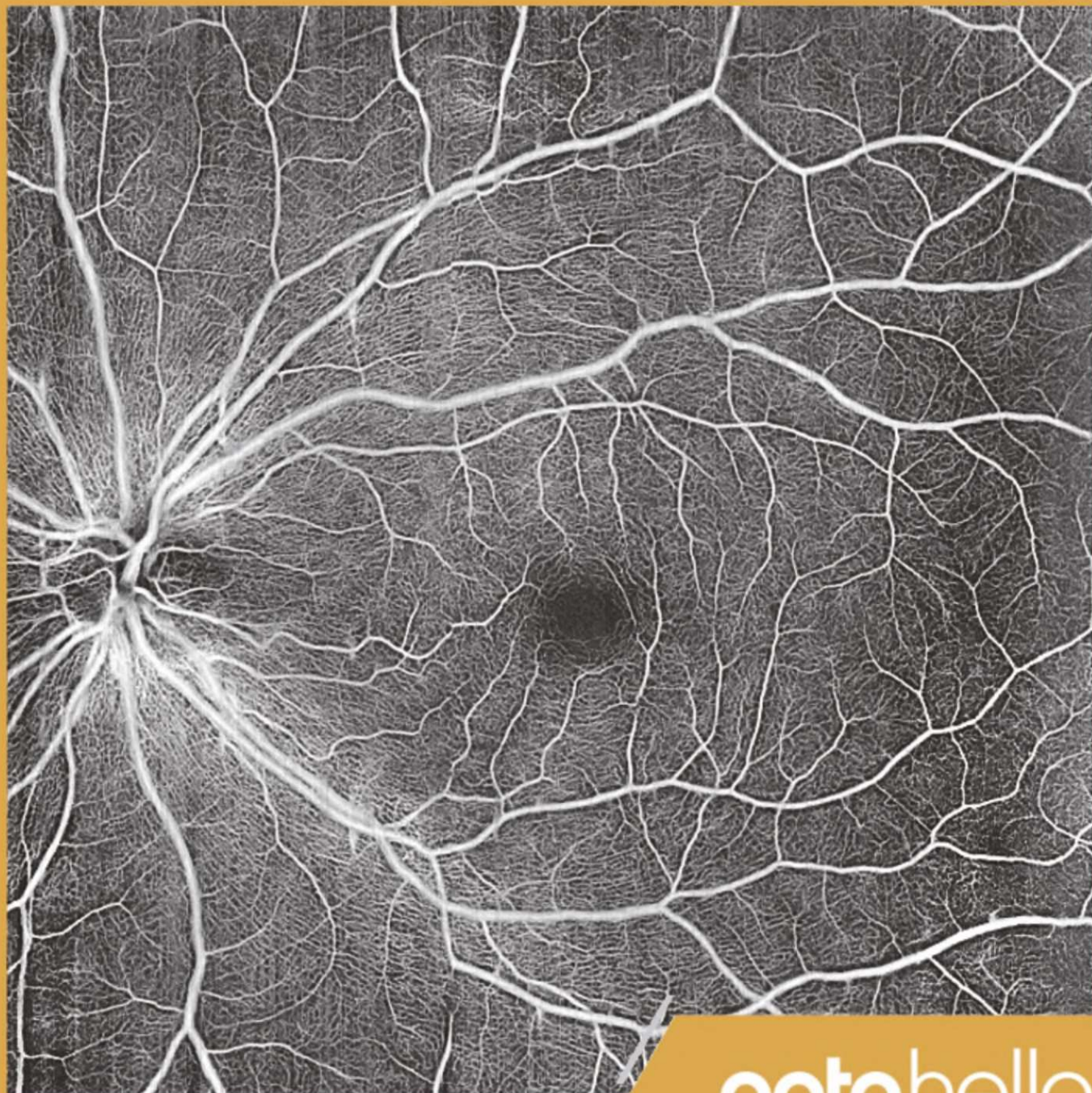


High speed

120000 A-scans per second

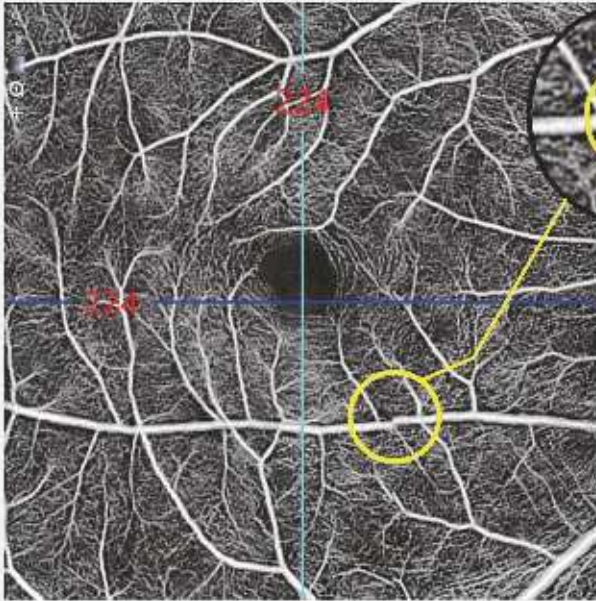
Ultra-high resolution, wide-angle imaging
Clear visualization of ocular fundus vessels

■ 12mm x 12mm wide-angle fundus microangiography

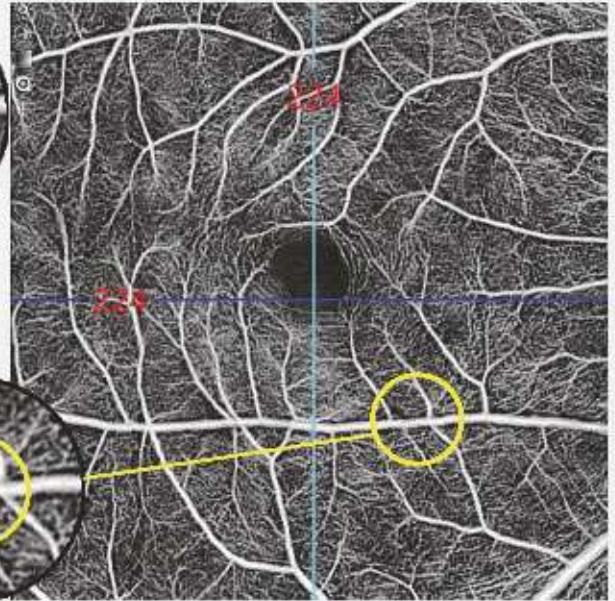


optohellas
Worldwide Representation Platform

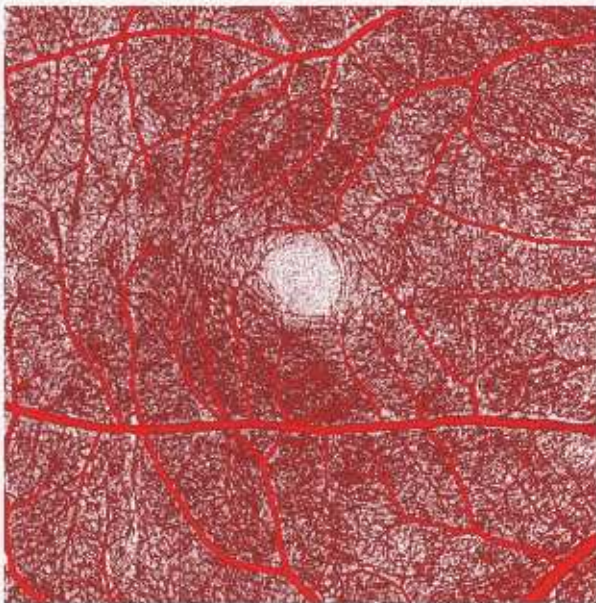
High definition vascular microcirculation imaging · Function integration



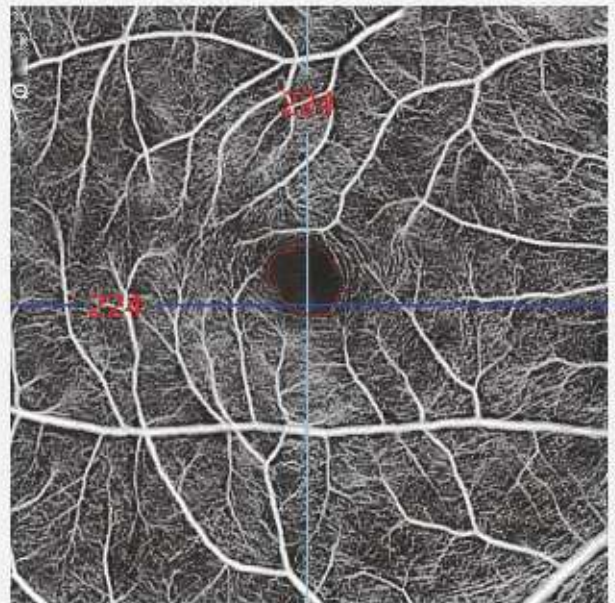
■ General vessel tracking



■ Intelligent vessel tracking



■ Identifying microcirculation



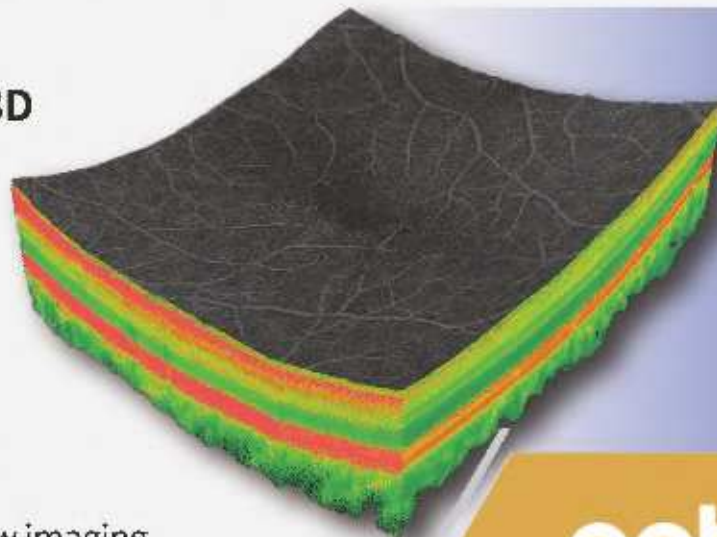
■ Foveal avascular zone analysis

Visualization of 3D fundus imaging

Rich details between layers

High-resolution fundus imaging

■ 3D fundus blood flow imaging

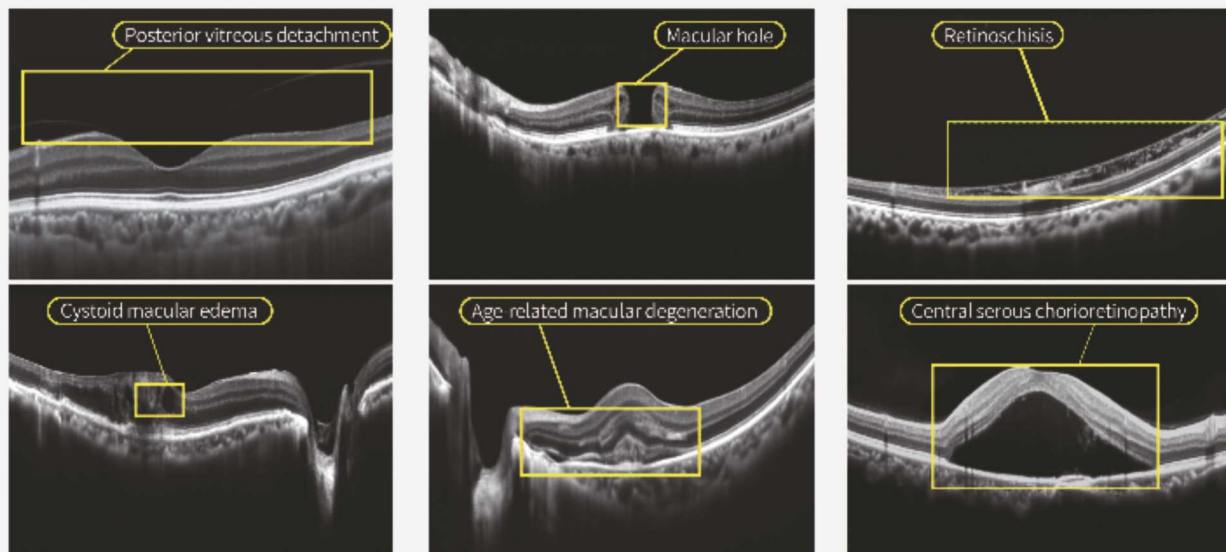


AI diagnosis, one-click enabling optometry detection / eye disease screening

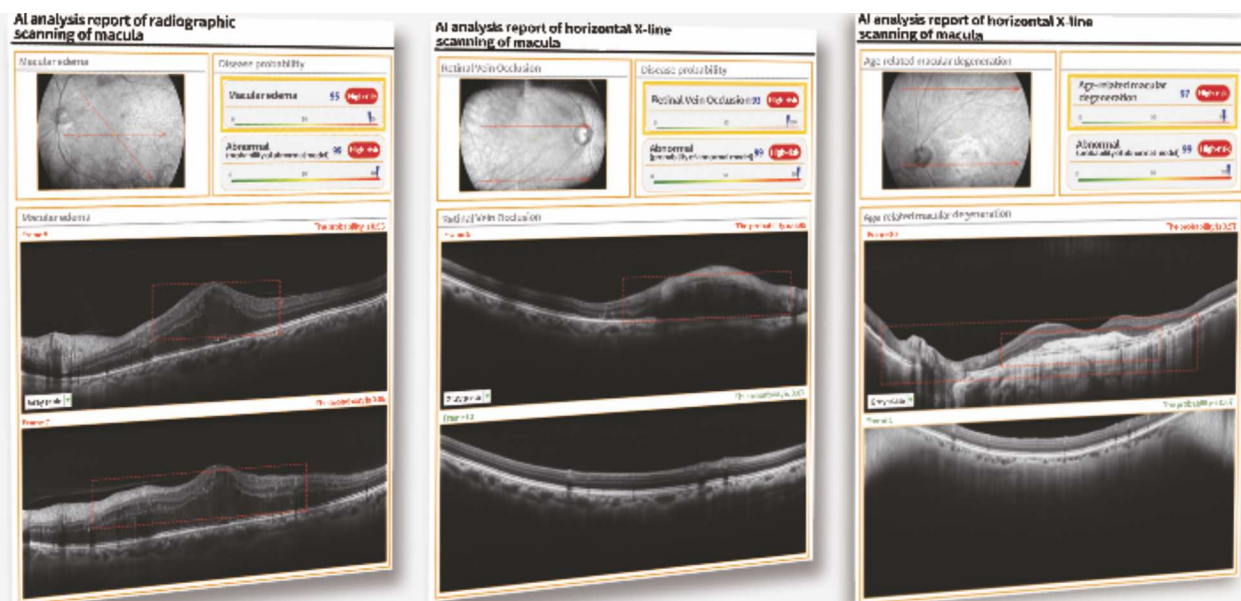
WRMT OCT provides artificial intelligence disease screening systems. The systems can facilitate rapid fundus screening at the basic optometry center and improve diagnostic efficiency and accuracy. The systems can issue the diagnosis report with one button, with the accuracy of up to 97%. The systems are suitable for primary healthcare and optometry industries. At the same time the AI Diagnosis Cloud Platform is built to realize data linkage

97% /Accuracy

Data source: From over 10,000 people real scene test



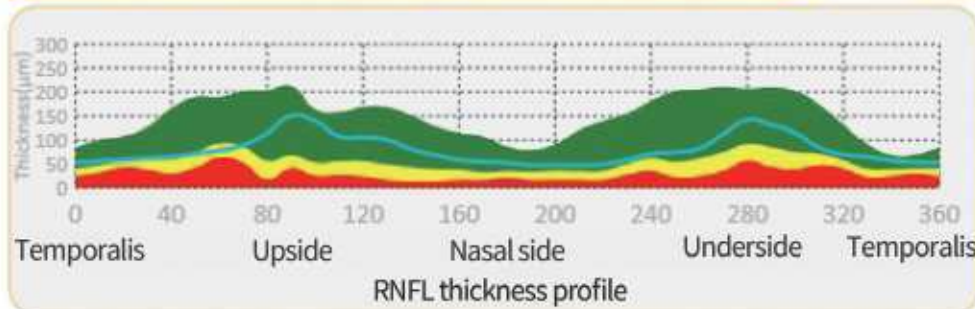
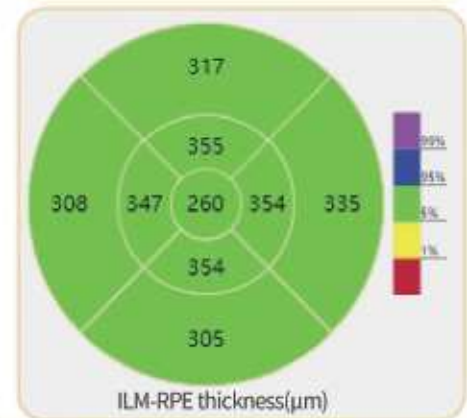
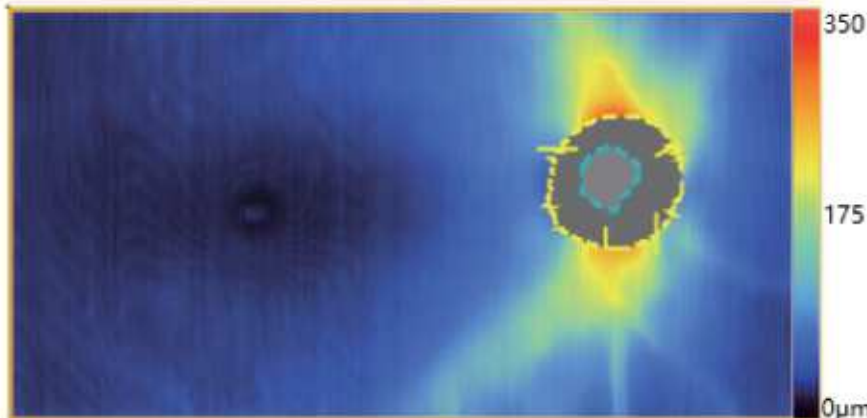
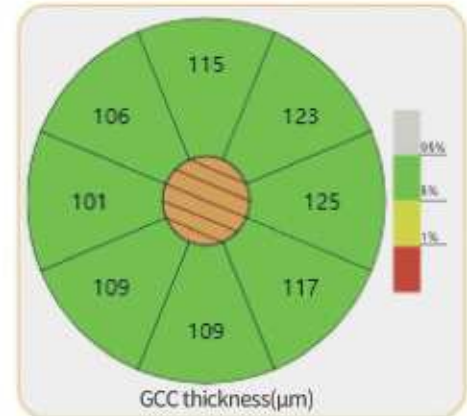
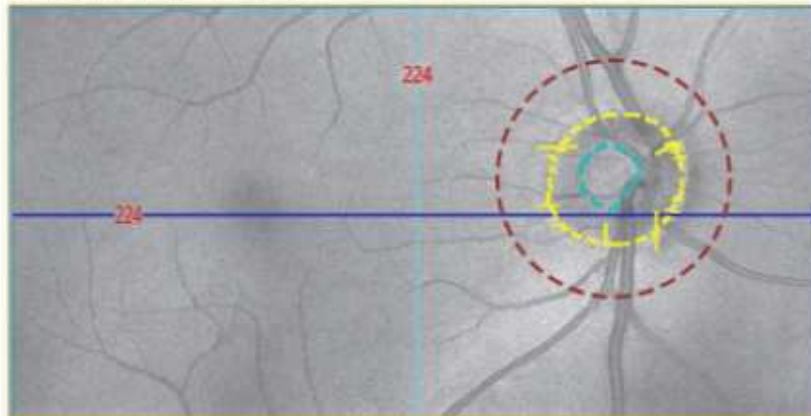
Automatic identification and annotation of fundus anomalies & Precise localization using AI big data model



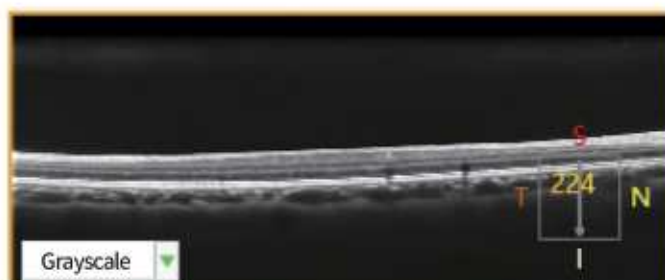
Automatic generation of AI diagnostic analysis reports · Improvement in the efficiency and accuracy of ophthalmic screening

Glaucoma detection pattern

Thickness value(ILM-RPE):339 μ m



	OD
Average thickness of optic nerve layer	80.00 μ m
Area of the optic disc edge	2.45mm ²
Optic disc Area	3.04mm ²
The ratio of the diameter of the optic cup to the diameter of the optic disc in horizontal line	0.45
The ratio of the diameter of the optic cup to the diameter of the optic disc in vertical line	0.49
Optic cup and optic disc volume	0.113mm ³



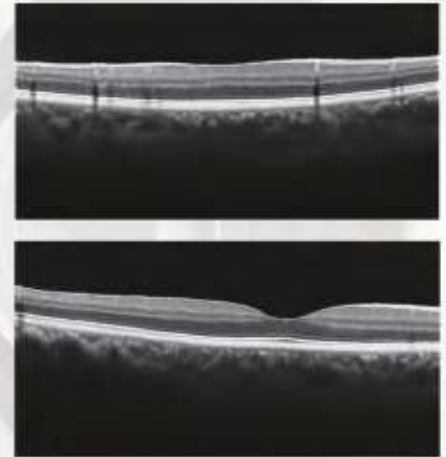
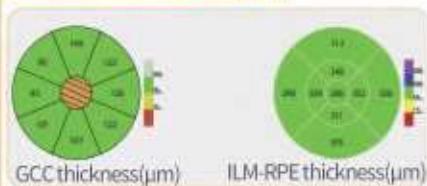
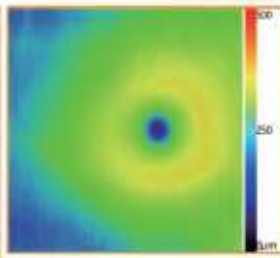
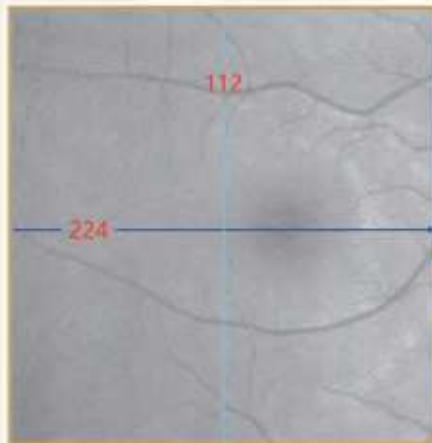
Comprehensive analysis report on macular disc in glaucoma

Macula detection mode

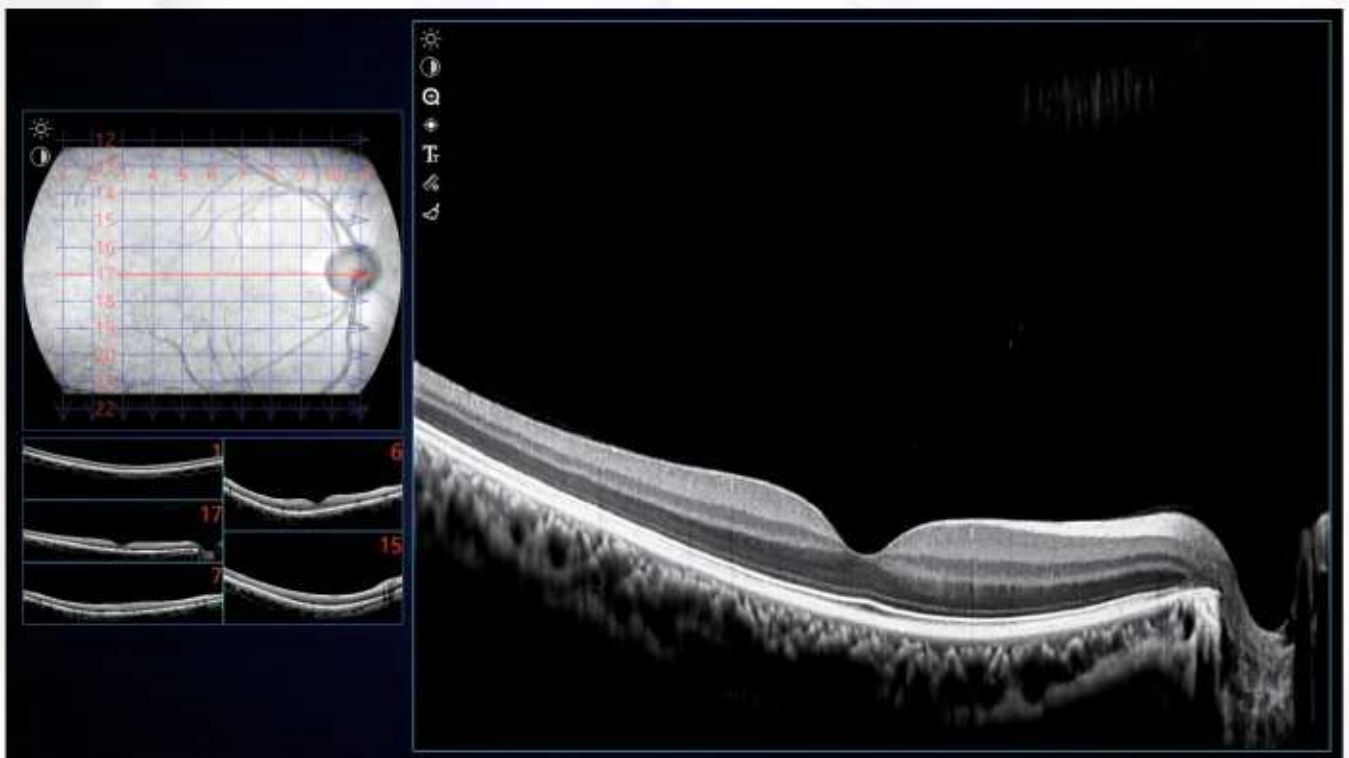
3D visualization,
automatic thickness
analysis

Clear stratification,
without any loss of detail

Multi-line scanning mode
more comprehensive scope



3D scanning analysis of macula



Macular grille scanning analysis

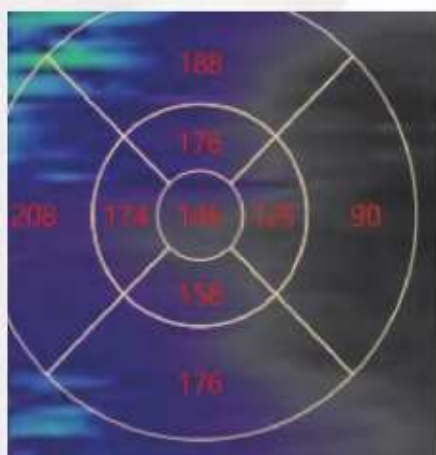
Automatic stratification measurement of choroid membrane (Myopia developmental intervention precision testing)

Automatic thickness measurement, no manual layering required

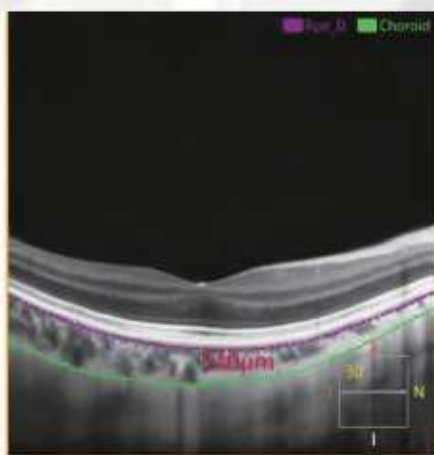
OCT functions include multiple scanning modes such as line scanning, grid scanning, and three-dimensional scanning. Macular fovea choroidal thickness (SFCT), choroidal subarachnoid thickness map and mean choroidal thickness in the macular region can be measured.

Thickness monitoring before and after myopia prevention and control

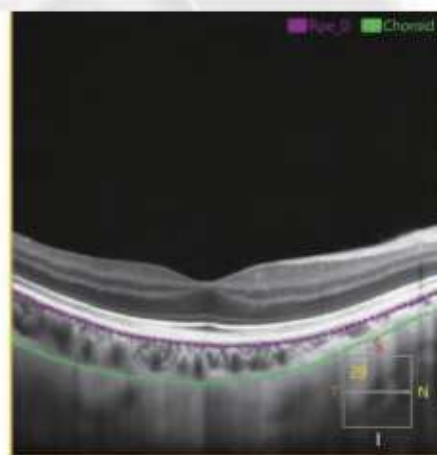
Choroidal thickness is directly related to myopia. The higher the diopter, the thinner the choroidal thickness. Measuring choroidal thickness through OCT can effectively evaluate the therapeutic effect of myopia prevention and control measures. Such as evaluating the effect of corneal reshaping lenses, functional lenses, low concentration atropine, and feed light meter on changing choroidal thickness.



Choroidal thickness(μm)



Macular fovea choroidal thickness:140μm

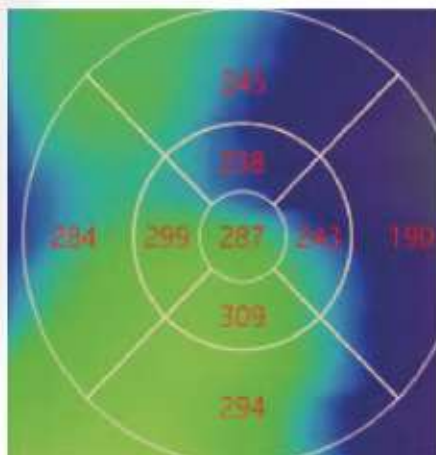


Report of high myopia choroid

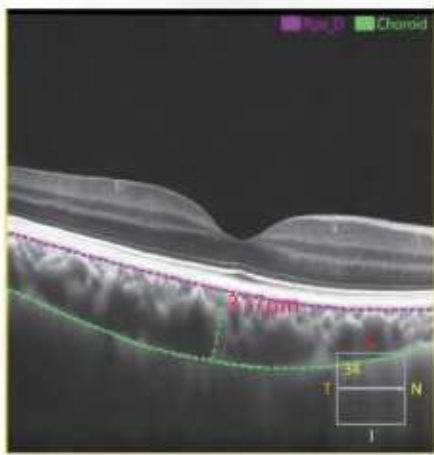
Autofocus, less inspection time and easier operation

AI layering, automatic calculation of choroidal thickness

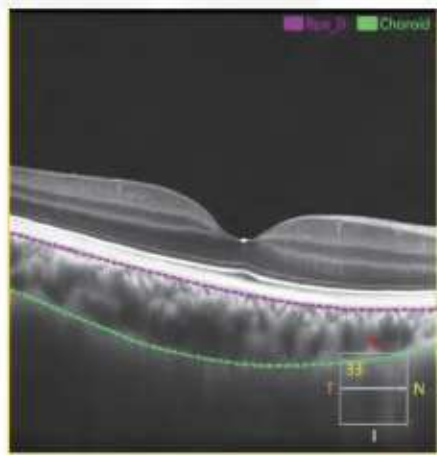
Automatic presentation of choroidal thickness and distribution map



Choroidal thickness(μm)



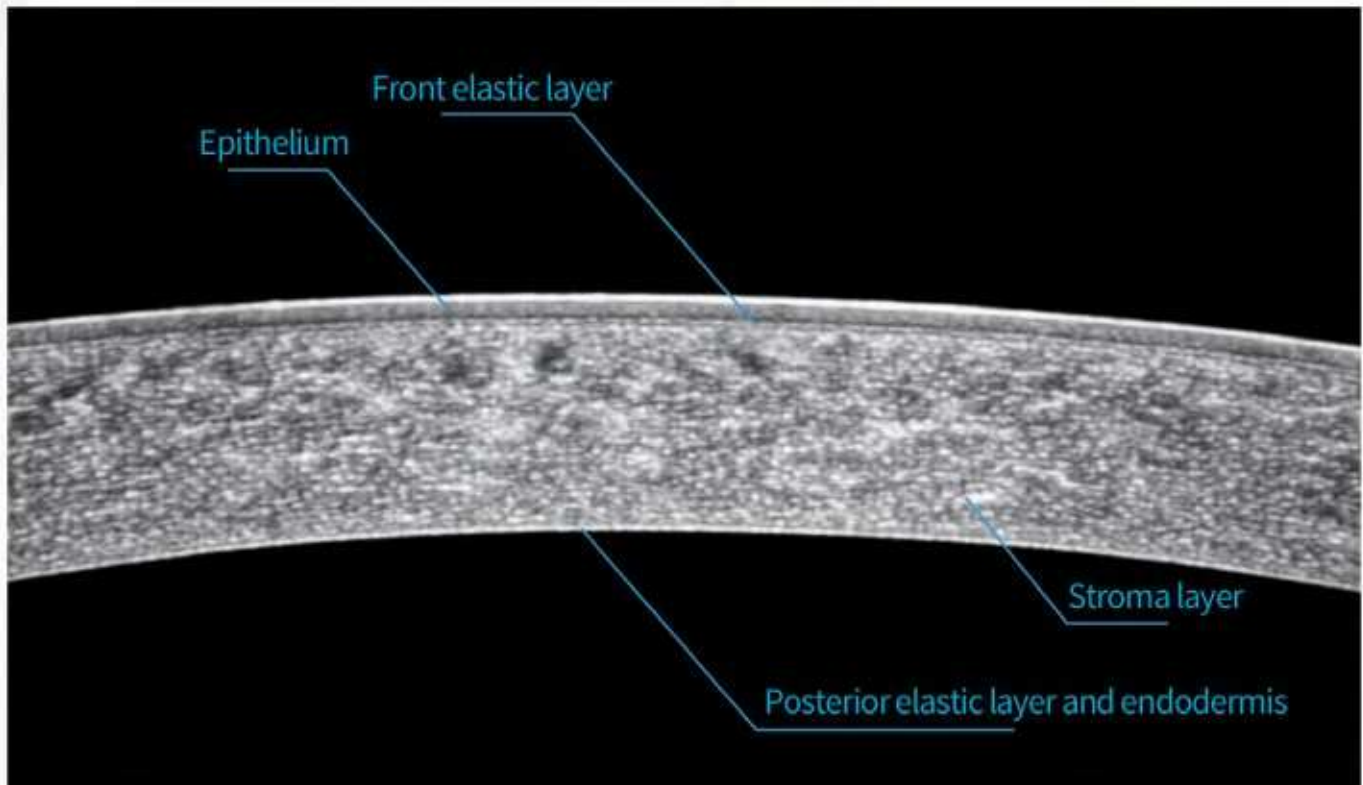
Macular fovea choroidal thickness:317μm



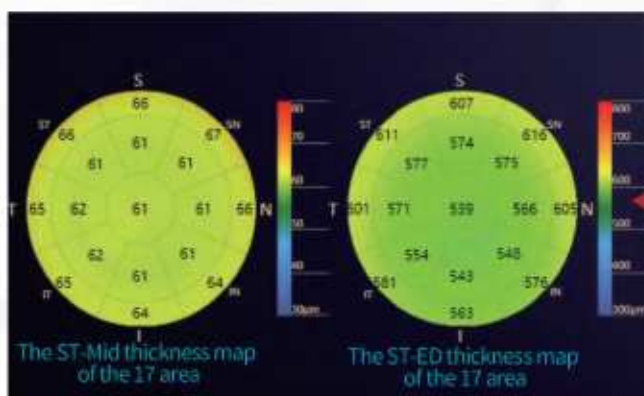
Choroidal detection interface for non myopic individuals

Anterior segment measurement

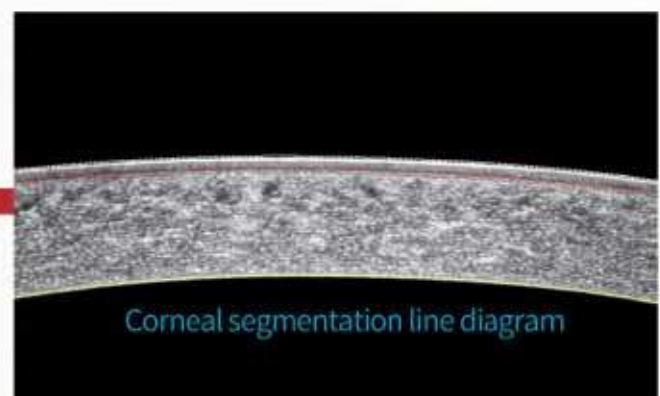
Automatic measurement of corneal thickness, quantification of anterior chamber angle



Layered diagram of corneal structure



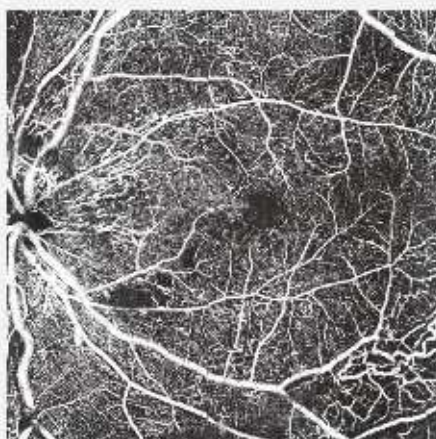
Corneal scan



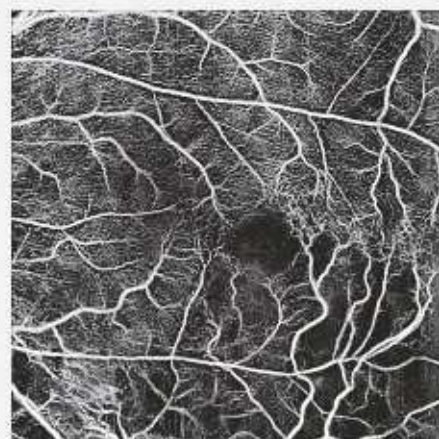
Case maps exhibition



■ Proliferative diabetic retinopathy



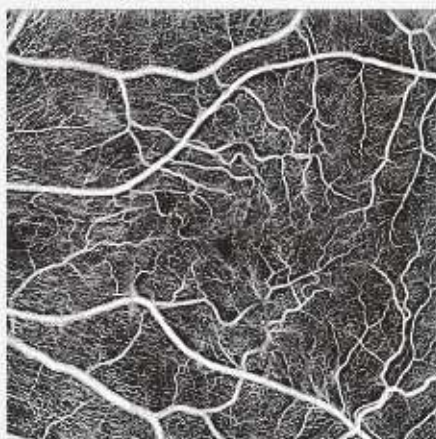
■ Non proliferative diabetic retinopathy



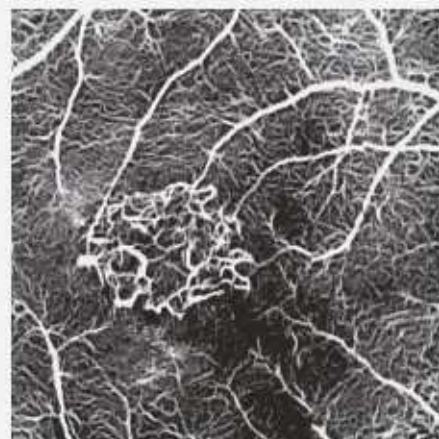
■ Branch retinal vein occlusion causes macular edema



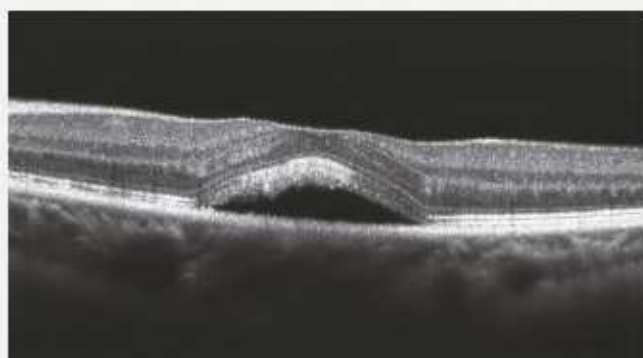
■ Branch retinal vein occlusion



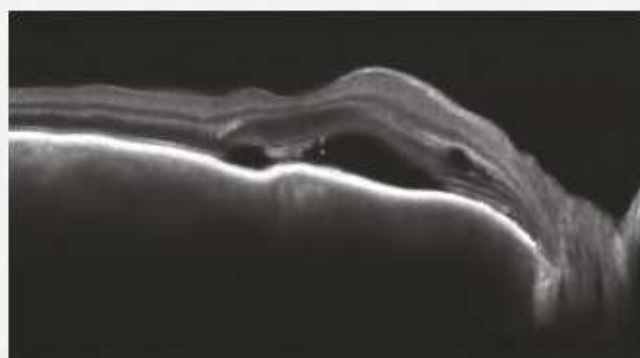
■ Epimacular membrane



■ Choroidal neovascularization



■ Central serous chorioretinopathy



■ Uveoencephalitis



■ Branch retinal vein occlusion



■ Vitreomacular traction

Technical Specifications

OCT IMAGING

- Methodology: Spectral domain OCT
- Optical source: Super luminescent diode (SLD), 840 nm
- Scan speed: 120,000 A-scans/s
- Axial resolution (optical): 5 microns
- Transverse resolution (optical): 15 microns
- A-scan depth: 3.5µm minimum
- Diopter range: - 20 to + 20 diopters
- Scan patterns: Macular: Line scan, Raster scan, Grid scan, 3D scan (6 mm x 6 mm and 9 mm x 9 mm), 8-line radial scan, Disc: 3D scan (6 mm x 6 mm)
- Anterior: Line scan, 32-line radial scan, 3D cornea scan (9 mm x 9 mm)

FUNDUS IMAGING

- Methodology: Line scanning laser ophthalmoscopy (LSLO)
- Minimum pupil diameter: 3.0 mm
- Field of view: 36 degrees horizontal - 30 degrees vertical

OCTA MODULE (OPTIONAL)

- Scanning volume/area
- 3mm x 3mm
- 6mm x 6mm
- 8mm x 8mm
- 12mm x 12mm

Segmentation options

- Retina, Vitreous Retina Interface(VRI), Superficial, Deep, Avascular, Choriocapillaris, Choroid, Density, Density superficial, Density Deep, Custom
- Quantitative analysis
- Density analysis, FAZ analysis

ELECTRICAL AND PHYSICAL

- Weight: 35 kg
- Dimensions: 615 mm (L) x 346 mm (W) x 548 mm (H)
- Source voltage: AC 100 - 240 V
- Frequency: 50 Hz - 60 Hz
- Power input: 10 VA

A glance into the future

As a medical equipment distributor, Opto Hellas focuses on delivering products of unique quality. We believe that by educating our customers, innovative technologies will no longer pose as obstacles to the market but provide unique tools to operate in a modern era. That is why our goal is to help those who seek for uncanny results and high-end technologies.

As we continue to grow in new markets, we aim to enrich Opto Hellas's network, influence manufactures to create equipment tailored to the needs of the market and of course continue to provide cutting edge technologies to an ever-growing medical market!

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COMPANY INFO

Opto Hellas is one of the largest suppliers of medical instruments, implants and consumables in Europe and is constantly expanding to new and challenging markets. Our customer base which we refer to as 'the Opto family' consist of ophthalmologists, orthopedics, dermatologists and medical institutes. We aim to serve those that seek for superior customer service and innovative products, to better their working environment and day to day operations.

Opto Hellas is constantly evolving with the help of technology and the rapid growth of international medical markets, but we never forget our path that led us to where we are today. We focus on the needs of our customers and constantly try to support them whenever they are in need and wherever they are located.