Eyevis EOCT 2

High-Speed & Ultra-High Resolution Ultimate OCT Angiography
Serving the Entire Process of Eye Health

Fundus exploration at a glance

Ultra HD

Acquisition image resolution up to 8K

High speed

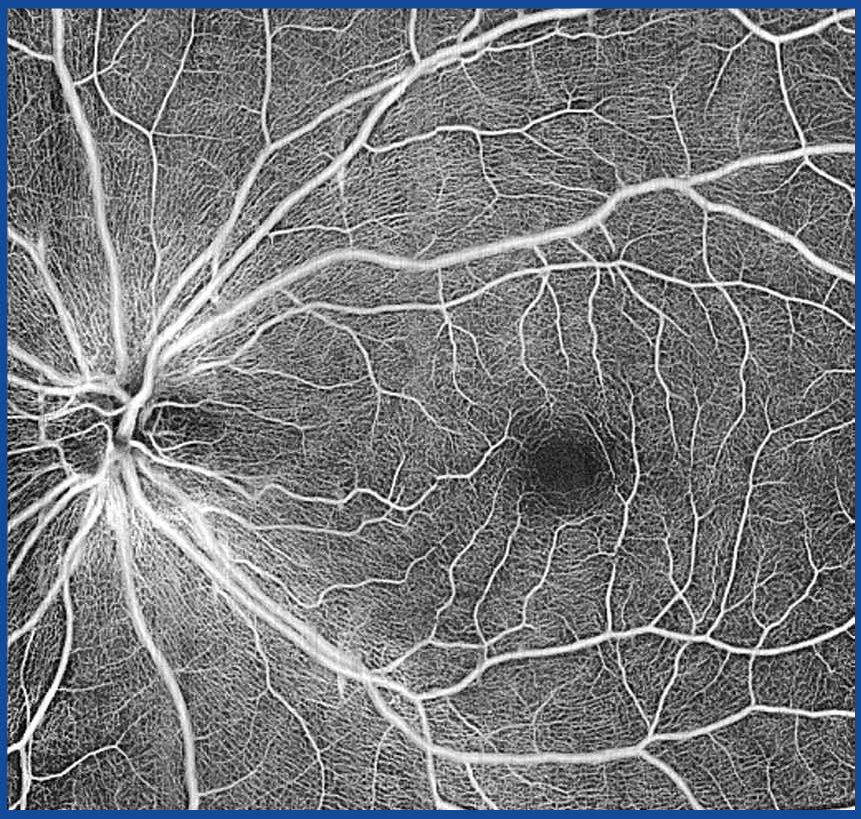
86,000 A scans per second

Intelligence

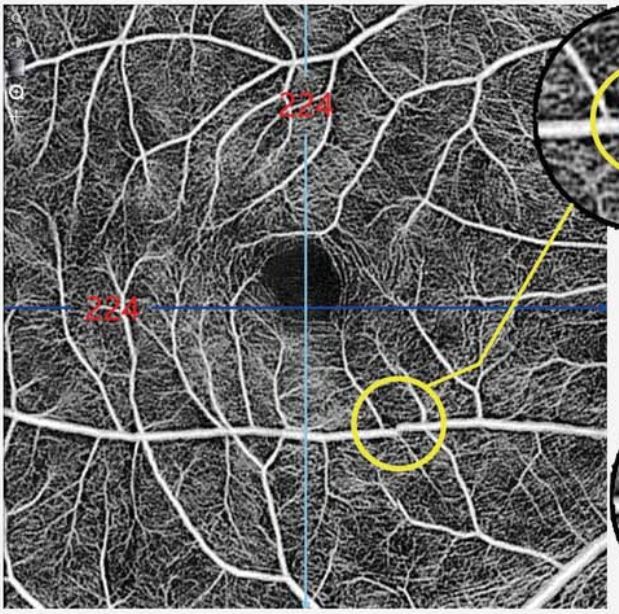
AI-assisted analysis empowers diagnosis

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

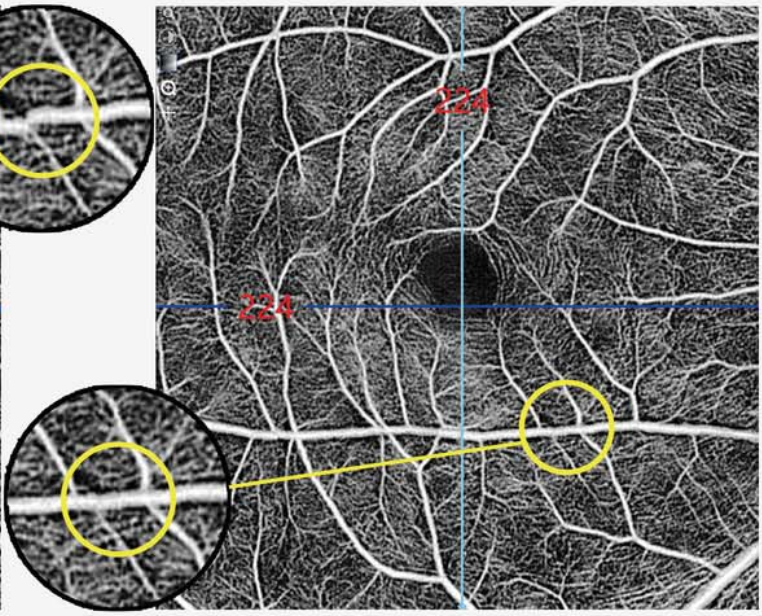
- 9mm X 9mm wide-angle fundus microangiography



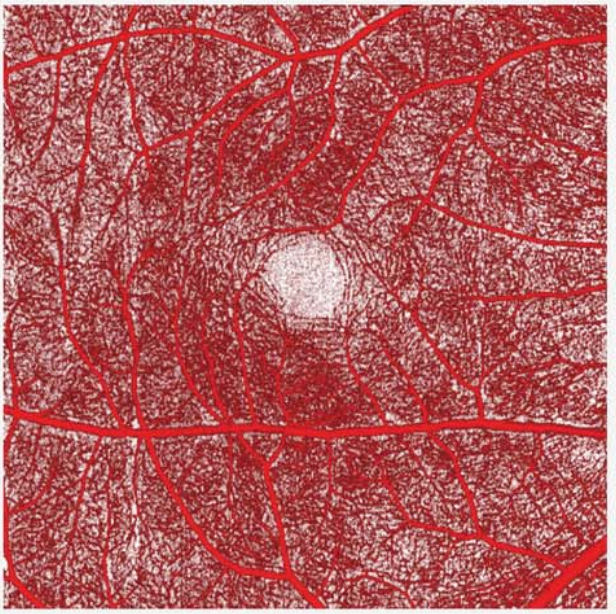
High definition vascular microcirculation imaging · Function integration



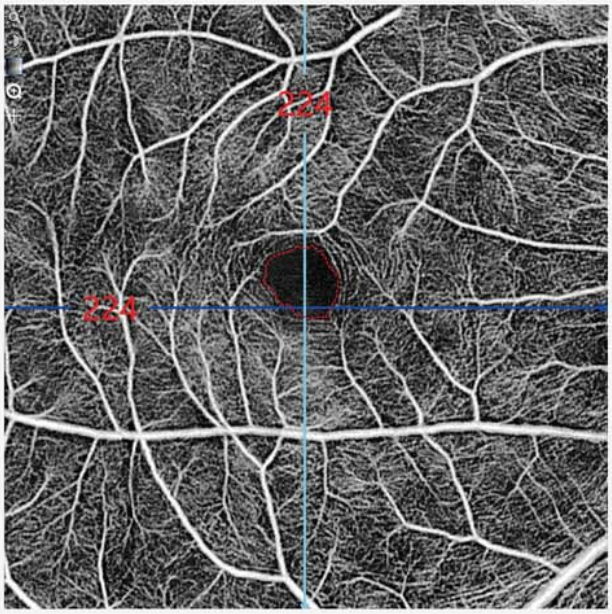
General vessel tracking



Intelligent vessel tracking



Identifying microcirculation

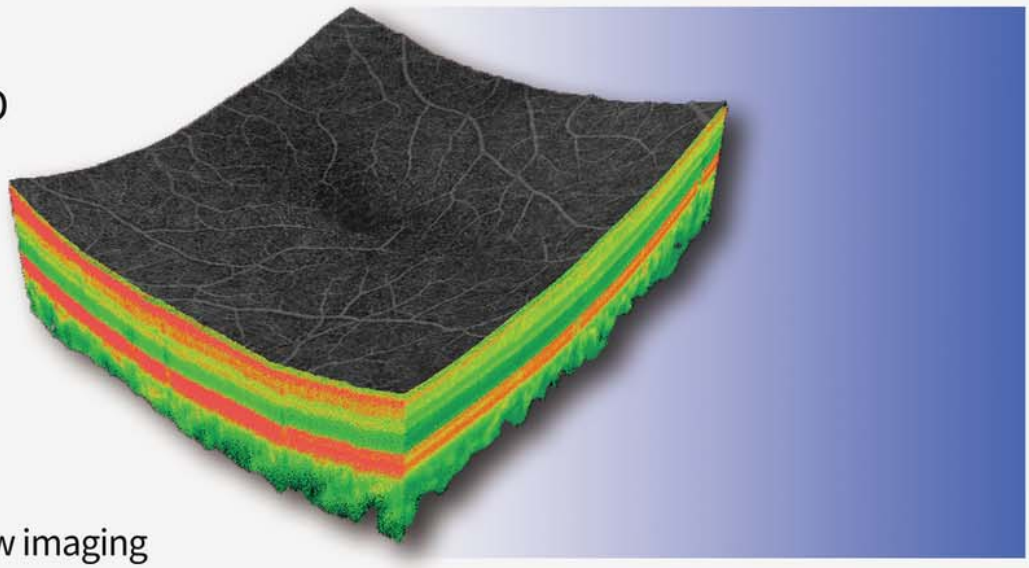


Foveal avascular zone analysis

Visualization of 3D fundus imaging

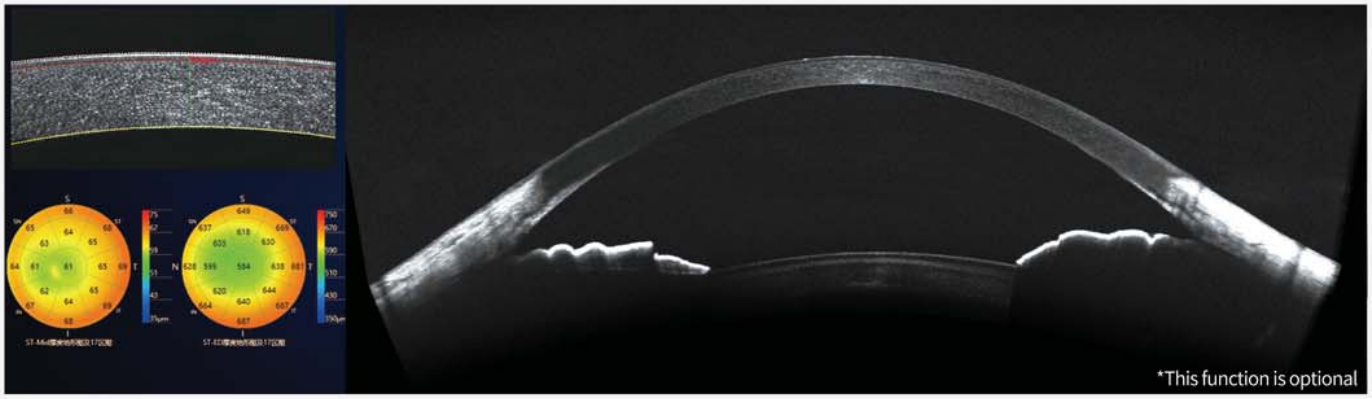
Rich details between layers

High-resolution fundus imaging



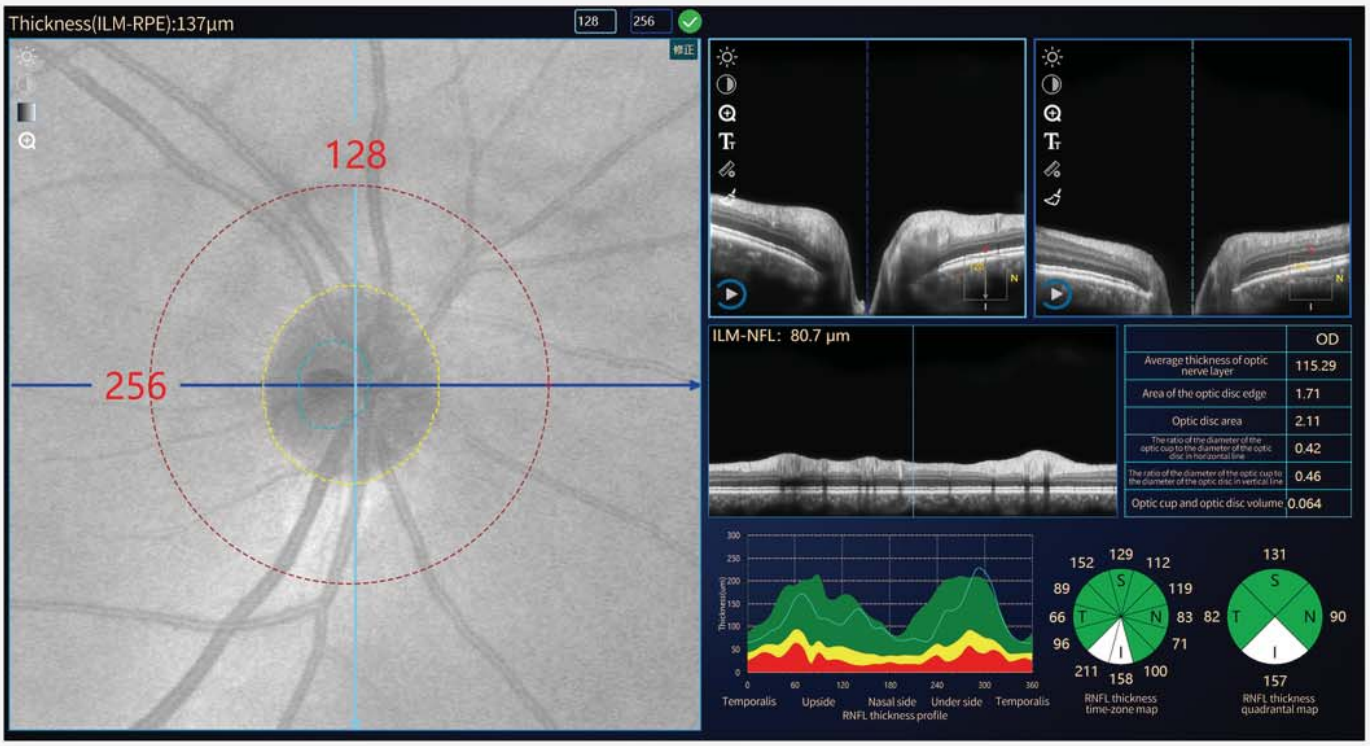
3D fundus blood flow imaging

Anterior segment detection · Accurate measurement

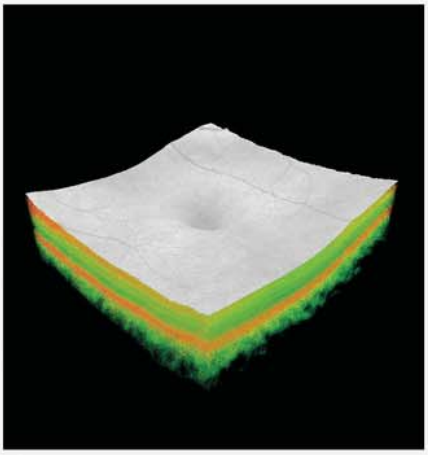


Panoramic anterior segment analysis | Panoramic anterior segment presentation • Corneal thickness map presentation • Corneal dividing line • Thickness measurement presentation

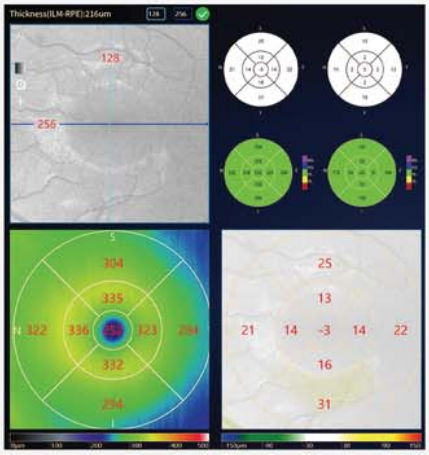
Glaucoma & macula detection · Automatic analysis



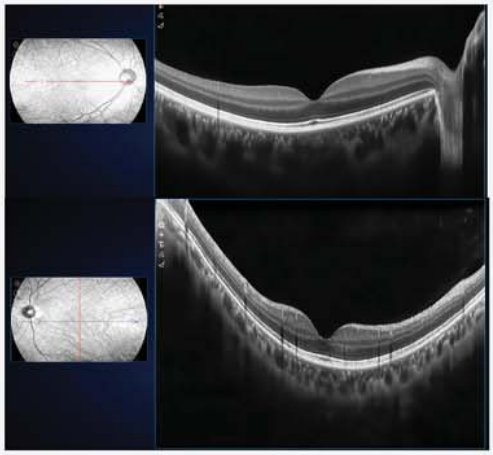
Glaucoma optic disc analysis | Optic disc data analysis • Thickness of RNFL • Thickness time zone • Quadrant chart



3D imaging of macula

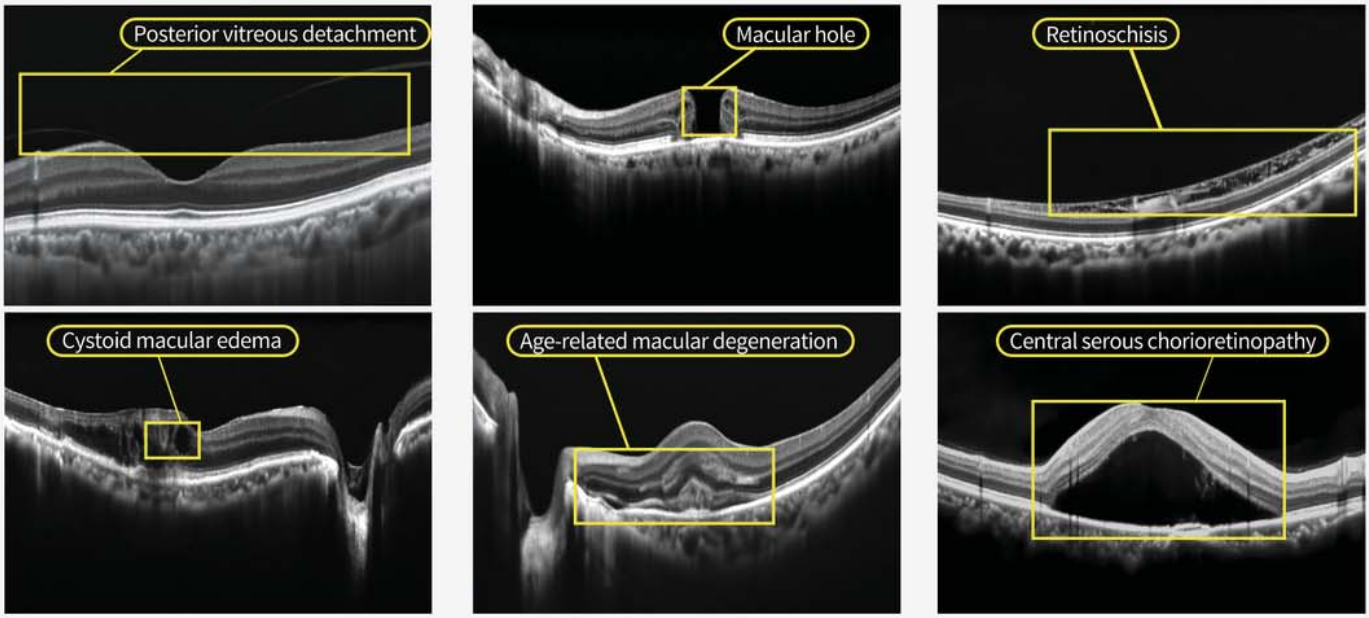


Thickness analysis of macula



Horizontal X-line scanning & cross scanning of macula

AI recognition for eye diseases · Precise localization of eye diseases



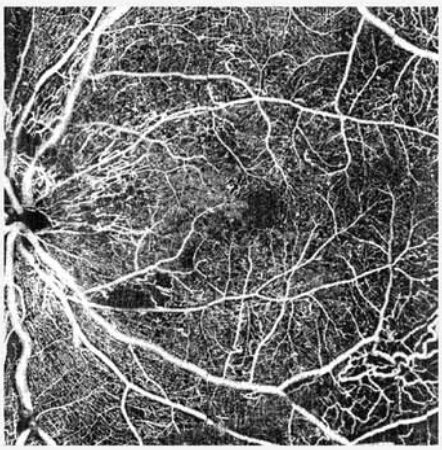
Automatic identification and annotation of fundus anomalies & Precise localization using AI big data model

Future health risk prediction · Comprehensive health assessment · Multi-dimensional information reference

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

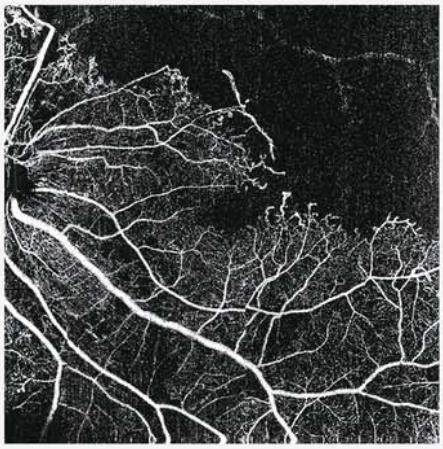
Case maps exhibition

Proliferative diabetic retinopathy

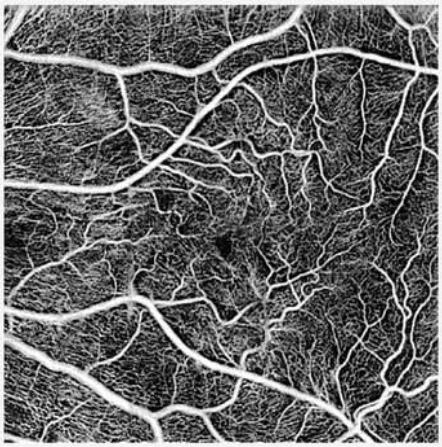


Non proliferative diabetic retinopathy

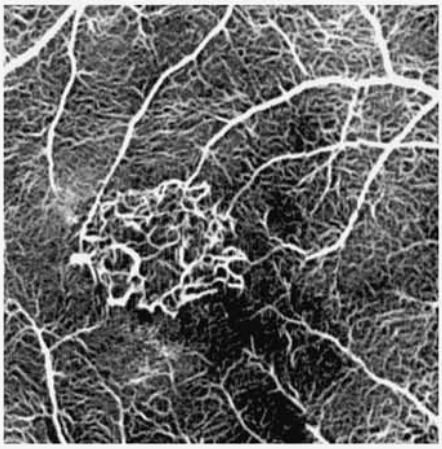
Branch retinal vein occlusion causes macular edema



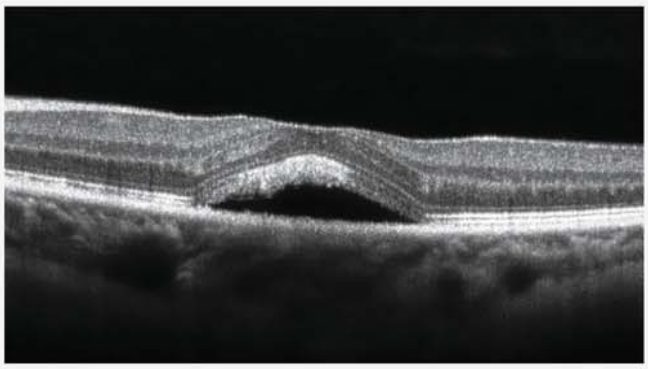
Branch retinal vein occlusion



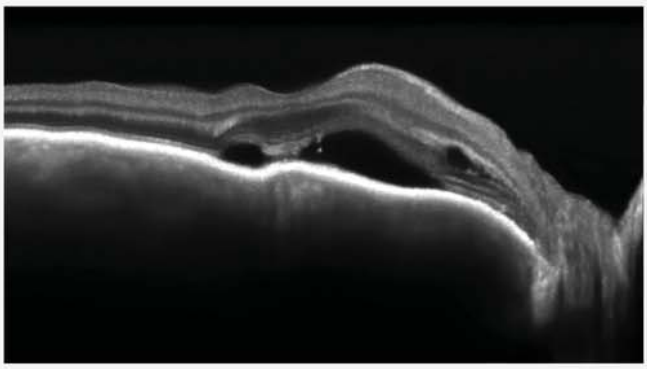
Epimacular membrane



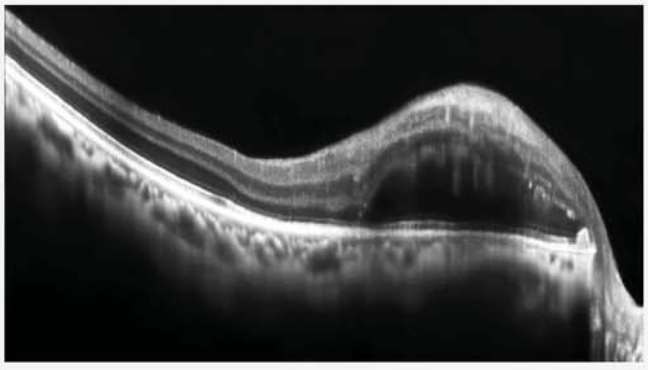
Choroidal neovascularization



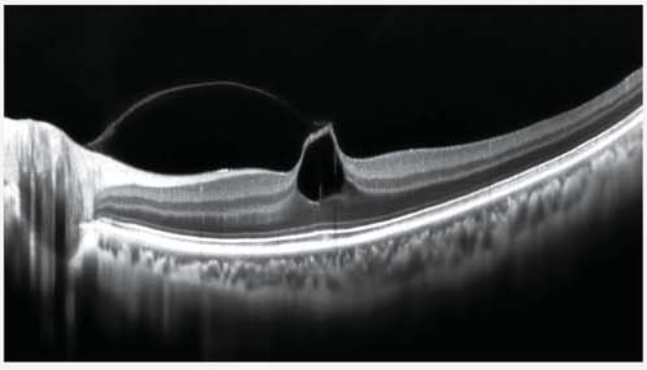
Central serous chorioretinopathy



Uveoencephalitis



Branch retinal vein occlusion



Vitreomacular traction

Technical Specifications - Eyevis EOCT 2

OCT imaging	Methodology	Spectral domain OCT	
	Scan wavelength	840±10 nm	
	Exposure power at pupil	≤600 µW	
	Working Distance	34.9 mm	
	Fixation	Both Internal as well as External	
	Scan speed	≥86kA-scan/sec	
	Posterior SegmentScan	Scan depth	≥3.5 mm
		Axial resolution	≤5µm
		Transverse resolution	≤15µm
	Types of Imaging Options	Raster scan, single scan with adjustable orientation, dense cube scan, circle or radial scan, 3D visualization, macular thickness map	
	Types of Analysis Options	Retinal thickness map-RNFL thickness map with normative database for glaucoma diagnosis, Optical nerve head analysis, optic disc scanning for glaucoma, Progression analysis of RNFL, ONH or 2D, 3D modelling, Enhanced depth imaging for choroidal layer scanning, Fovea to disc alignment, auto disc centration or auto fovea finder, Posterior pole symmetry analysis or combined ganglion cell+IPL and RNFL deviation map for glaucoma diagnosis, Segmentation of different layer of retina RPE elevation analysis or enface image analysis	
	Anterior SegmentScan	Scan depth	≥3.5 mm
		Axial resolution	≤5µm
		Transverse resolution	≤20µm
	Anterior Segment Imaging	Auto central corneal thickness (CCT), Anterior chamber angle view, Cornea view	
	Accuracy measurement	⩽3%	
	Type of Scan	Macular, Optic Disk, HD Scan	
	No of A Scans x B Scan	512 A Scans x 128 B Scan, 200 A Scans x 200B Scans	
	A-Scan Depth	13.5mm	
	Center Wave Length	942 + 10nm	

Technical Specifications - Eyevis EOCT 2

	Light Source	Single SLD
	Type of Imaging	Mono Color
	Picture Angle	45° x 30°
	Minimum Photographable Pupil Diameter	2.00mm
Depth Resolution		3.5mm – 13.5mm
	Vertical Scan Range on Fundus	13.5mm depth, Axial Resolution ≤ 5μm
	Horizontal Scan Range on Fundus	13.5mm depth, Transversal Resolution ≤ 15μm
	Vertical Scan Range on Cornea	3.5mm depth, Axial Resolution ≤ 5μm
	Horizontal Scan Range on Cornea	3.5mm depth, Transversal Resolution ≤ 20μm
Lateral Resolution		Transversal Resolution ≤ 15μm
Fundus imaging	Methodology	Line scanning Ophthalmoscope (pSLO & IR)
	Scan wavelength	942±10 nm
	Exposure power at pupil	≤1500 μW
	Field of view	Width：≥45°
		Height：≥30°
	Frame rate	≥7Hz
Patient interface	Internal fixation focus adjustment	-20D～+20D
Physical Specifications	Dimensions	532H×346W×618D(mm)
	Weight	35kg
Software Operating	CPU	i5
	Hard Disk	1T or above

Technical Specifications - Eyevis EOCT 2

Conditions	Memory	32G or above
	GPU	8G or above
	Display resolution	2560×1440 or above
	Operating System (OS)	Windows 10 and its compatible version
Operating Conditions	Input Voltage	100-240V～
	Frequency	50/60Hz
	Input Power	100VA
	Temperature	10°C to +35°C
	Relative humidity	30% to 90%
	Atmospheric pressure	80 KPa to 106KPa
Storage Conditions	Temperature	-10°C to +55°C
	Relative humidity	10% to 95%
	Atmospheric pressure	70 KPa to 106KPa
Transport Conditions	Temperature	-40°C to +70°C
	Relative humidity	10% to 95%
	Atmospheric pressure	50KPa to 106Kpa
	Vibration, sinusoidal	10Hz to 500 Hz:0,5g
	Shock	30g, duration 6ms
	Bump	10g, duration 6ms
Service lifetime		10 years

Company profile

Eyevis Mediworks Pvt. Ltd. Is backed by national-level distinguished high-level talents and internationally renowned OCT experts. The core research and development team is composed by Ph.D and post-doctors from the University of Washington.

Our teams focus on the R&D and production of cutting-edge ophthalmic optical medical equipments. We are committed to provide multifunctional ophthalmic imaging products assisting diagnosis and treatment. The product lines cover a variety of optical devices for posterior examination and anterior segment examination. The core product is the optical coherence tomography (OCT), which has significant advantages in scanning speed and imaging depth. The imaging performance has reached a world-class level, which is highly competitive. We synergeticly develop cost-effective ophthalmic imaging equipment to promote the broad application of advanced medical equipment in scenarios at all levels. It has significance in ophthalmological diagnosis and treatment in clinical practice.

Eyevis has simultaneously developed OCT/OCTA high-quality imaging system based on ophthalmic artificial intelligence technology and establishment of diagnosis cloud platform. Our products are empowering equipment and doctors with AI technology, establishing an intelligent system for screening and diagnosing eye disease abnormalities and disease types. With the support from AI, Eyevis is promoting the applications of ophthalmic imaging equipments in medical care, physical examination, optometry and other scenarios, so as to serve the overall process of eye healthcare.

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Sight Beyond Limits

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