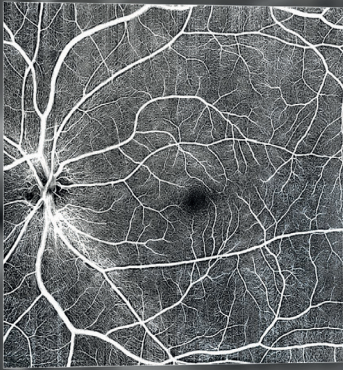


eyeΦos 1k™

eyeΦos 1k™

EyeΦos 1K is designed in Europe by Optohellas manufactured by WRMT and sets the new gold standards in OCT-AI devices.

Angiography



Wide-angle high-definition fundus microangiography

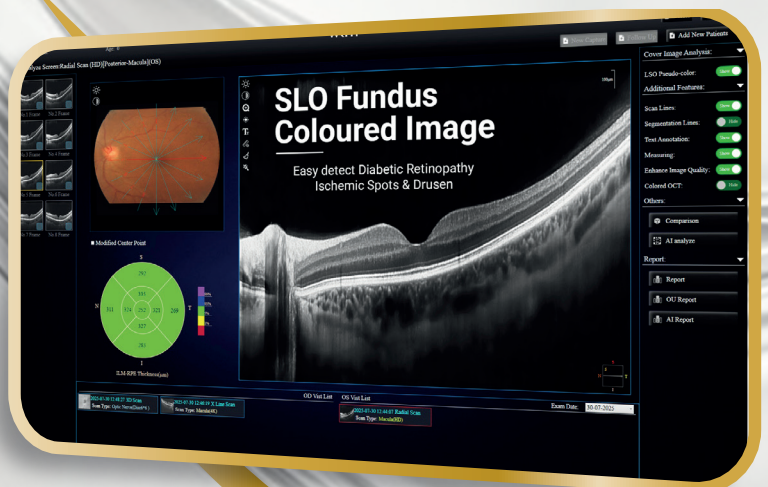
6mm x 6mm wide-angle fundus blood flow imaging
Automatic algorithm noise reduction
Clearly visible in fundus

It is the most advanced SLO 4K/8K resolution Widefield OCT/OCTA on the market today.

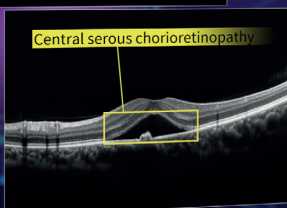
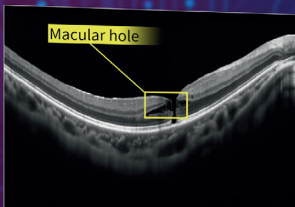
With Premium Software, cutting edge hardware beyond imagination and AI Algorithms delivers in posterior and anterior, repeatable high-precision results.

EyeΦos 1K is an all-in-one system with Integrated Artificial Intelligence (Value for Money).

Coloured SLO Fundus



Artificial Intelligence

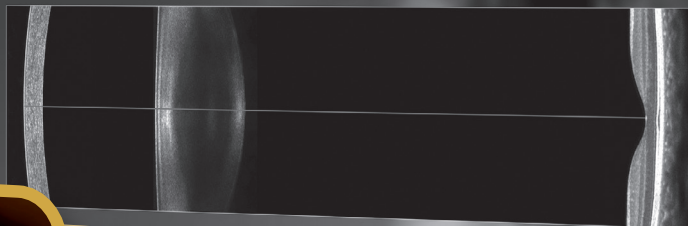


AI recognition for eye diseases

AI accurately identifies common fundus abnormalities
Accelerating primary care development

SLO Biometry Module

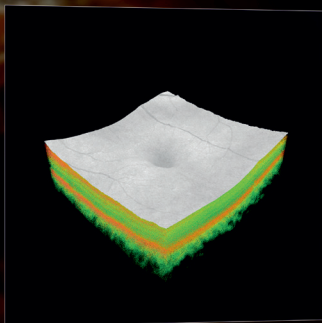
Clear visualization of biometry
Measurement of axial length



Macula

3D imaging of macula

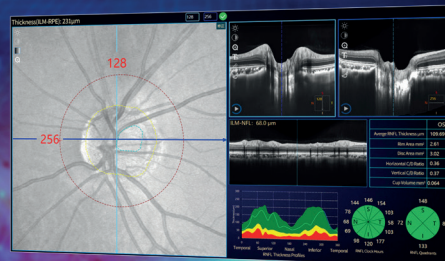
Multi-line scanning mode function
Multidimensional evaluation and analysis



Optic Nerve

Glaucoma optic disc analysis

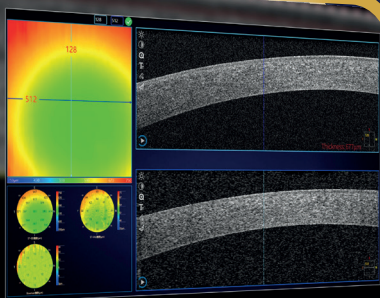
Optic disc data analysis
Thickness of RNFL
Thickness time zone



Anterior

Cornea measurement Comprehensive analysis

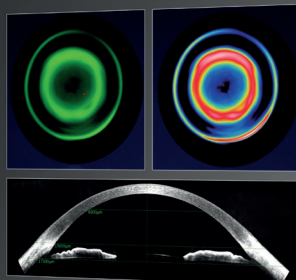
Corneal thickness diagram
Comprehensive analysis of corneal



CL/Digital Fitting

Contact lens digital fitting

New digital fitting solution
Bring a more convenient experience





Specification

OCT IMAGING

- Methodology: Spectral domain OCT
- Optical source: Super luminescent diode (SLD), 840 nm
- Scan speed: 90,000 A-scans/s
- Axial resolution (optical): 5 microns
- Transverse resolution (optical): 15 microns
- A-scan depth: 3.5 μ m 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: 2.0 mm
- Field of view: 36 degrees horizontal - 30 degrees vertical

OCTA MODULE (OPTIONAL)

- Scanning volume/area
- 3mm x 3mm 320 x 320 A-scans
- 6mm x 6mm 448 x 448 A-scans

Segmentation options

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

Specification

BIOMETRY MODULE (OPTIONAL)

- Axial length: 12-40mm
- Radius of curvature of the cornea: 4-12mm
- Keratoconus 28.1-84.4KD
- Axial angle: 0-180°
- Pupil diameter: 0.5-13.6mm
- Corneal diameter (white-to-white distance): 6-17mm
- Anterior chamber depth (anatomy): 0.7-8mm
- Lens thickness: 0.5-10.0mm
- Corneal thickness: 0.2-1.4mm
- IOL calculation formula, including: SRK/T, Haigis, Hoffer Q, Holladay 1, (Link to Online Barrett Universal II formula)

ELECTRICAL, PHYSICAL & OTHER

- DICOM Compatible (PACS & Worklist)
- 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

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