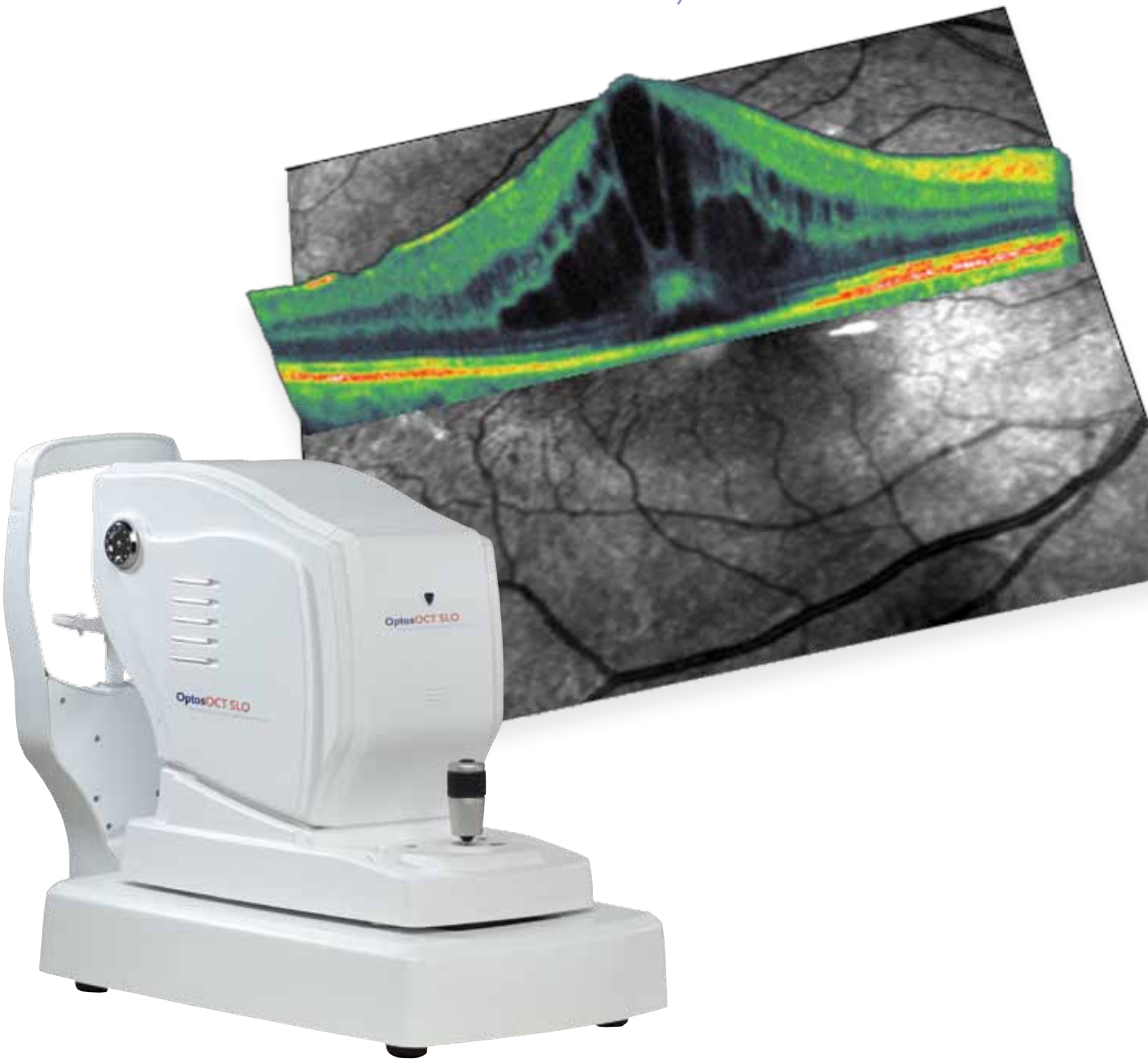
OptosOCT SLO

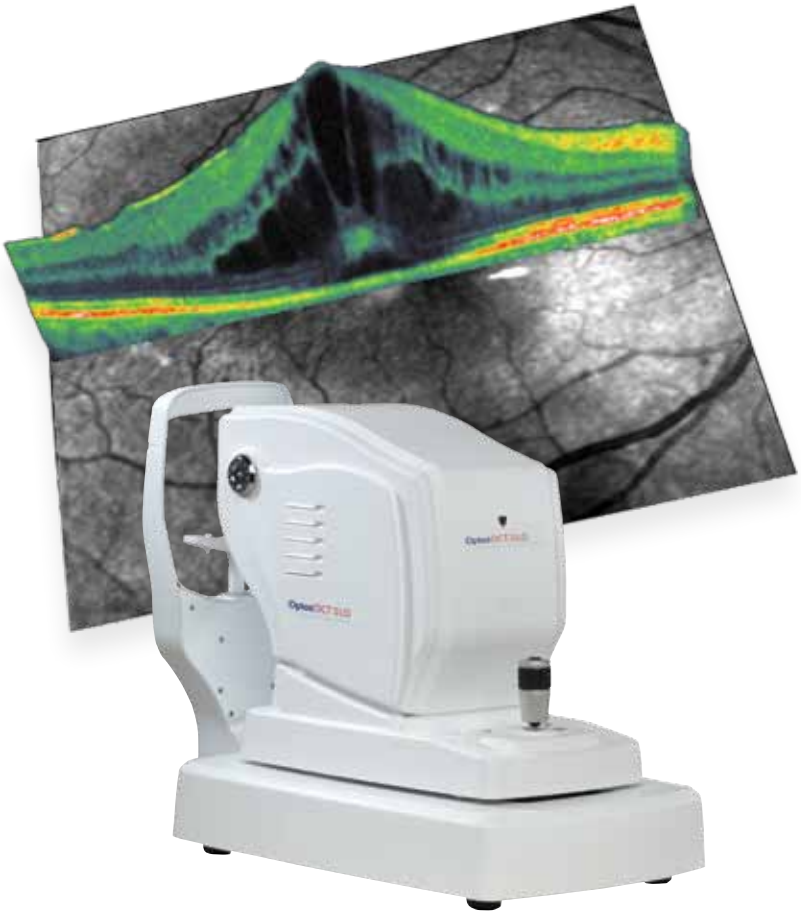
Retina Glaucoma Cornea Analysis



optos®

Building *The* Retina Company

The **Optos** OCT SLO is the product of more than a decade of innovation in the field of combination imaging.

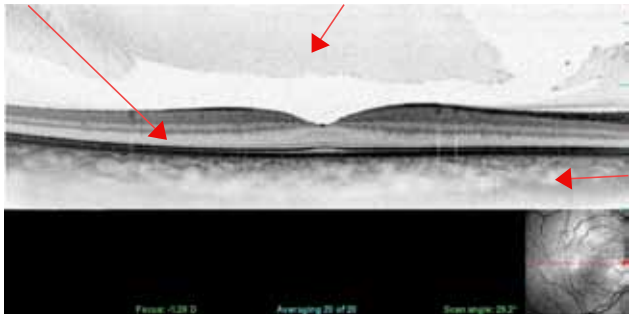


High Sensitivity and **Reliability** for **better Patient Care**

Instantaneous Localization

- **Simplifies scanning**
- **Increases patient throughput**
- **Strengthens operator confidence**
- **High repeatability**

Normal Eye – SLO and OCT of Native Format



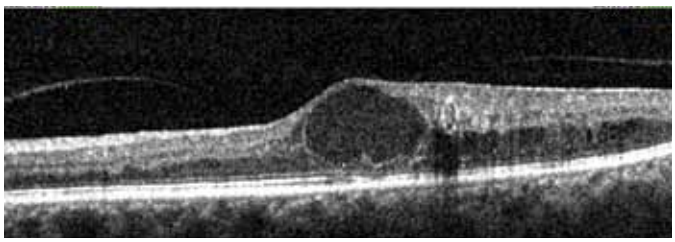
Normal eye – Inverted image showing high resolution vitreous, inner retina layer and choroid

OptosOCT SLO

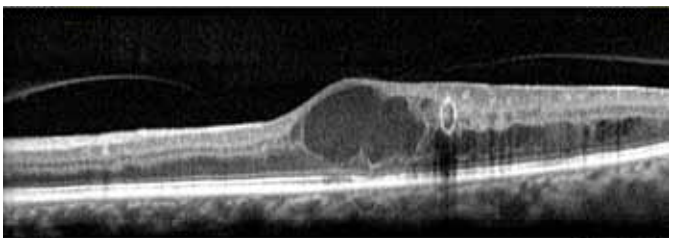
Retina Glaucoma Cornea Analysis

Phenomenal Image Quality – enhanced Imaging Mode

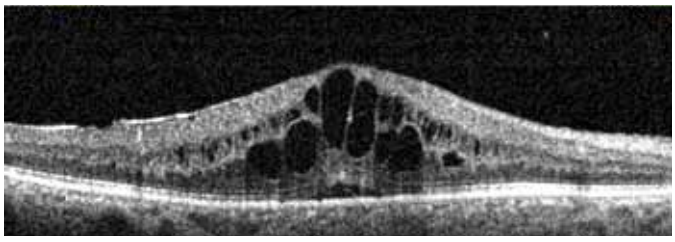
- **Inner retinal layer definition**
- **Finer vitreo-retinal interface distinction**
- **Ultra-high resolution images**
- **Enhanced clarification of details**



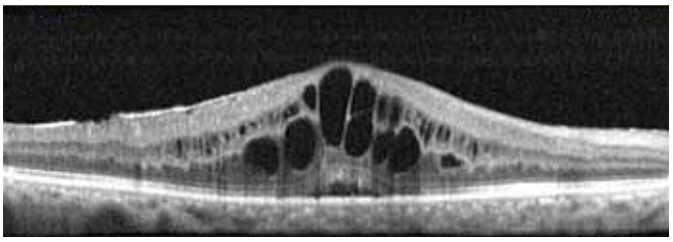
Cystoid Macula Edema – Native Format



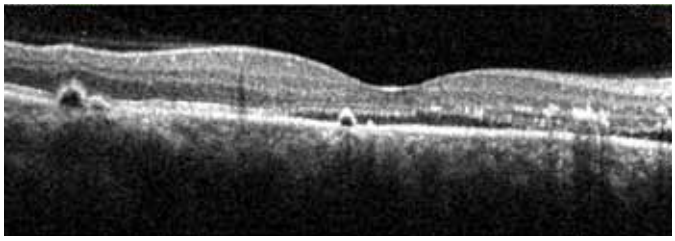
Cystoid Macula Edema – Enhanced Imaging Mode



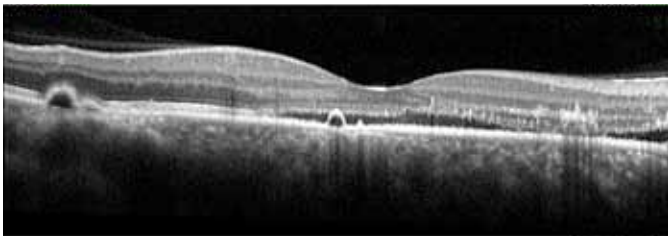
Cystoid Macula Edema – Native Format



Cystoid Macula Edema – Enhanced Imaging Mode



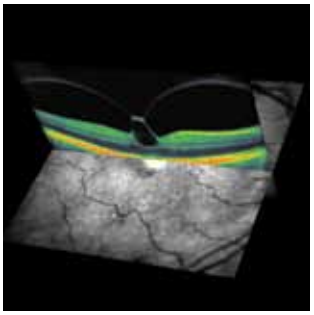
Central Serous Retinopathy – Native Format



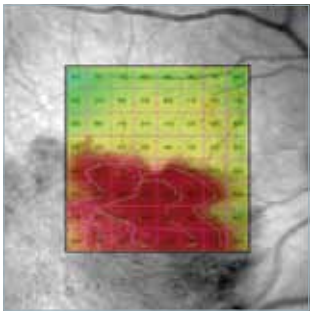
Central Serous Retinopathy – Enhanced Imaging Mode

Comprehensive Diagnostic Capabilities

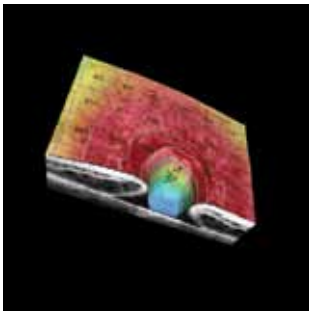
The **Optos** OCT SLO provides quantitative analysis which enables improved monitoring of disease progression or regression. Even the smallest changes can be recorded for more informed diagnosis.



For every OCT Scan there is a corresponding SLO image automatically captured in real-time.



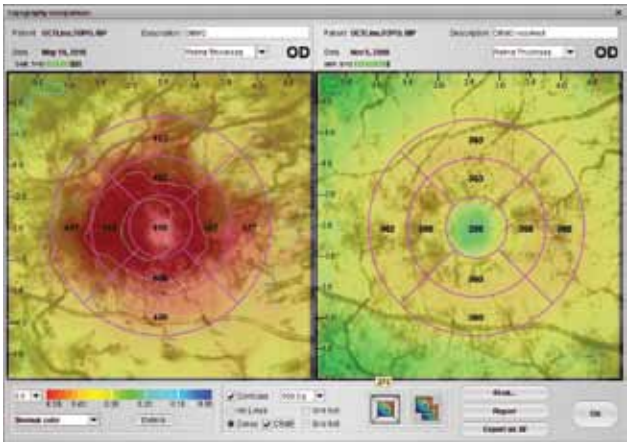
The topographical map can be placed over the SLO retinal image for exact positioning. Serial topographies are instantly aligned.



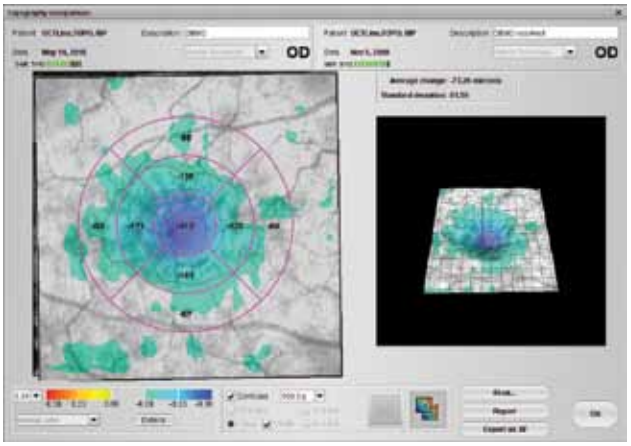
Detailed topographical area and volume maps are created and displayed in a fully interactive and easy to use review application.

Reliable Patient Monitoring

The **Optos** OCT SLO's advanced diagnostic tests measure and record the progression of retinal disease and the effects of today's new and emerging therapies.

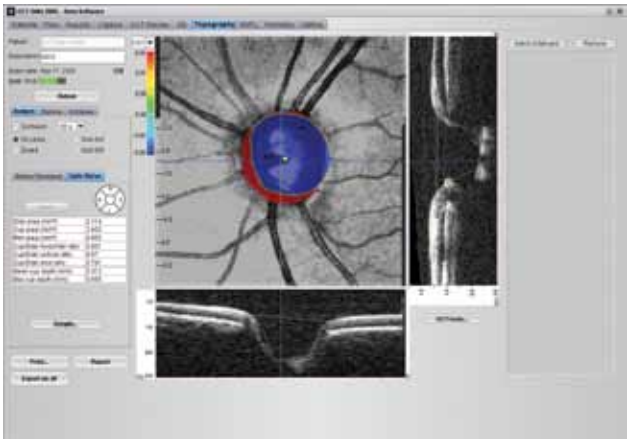


Inter-visit scans can be automatically aligned and subtracted so that only change between visits is recorded. (Pre and Post CME treatment)



The subtraction is completed leaving behind both a 2D and a 3D representation of change.

Optic Nerve Head Analysis



The 3D Topographic Optic Nerve Head Analysis is taken from a three-dimensional stack of OCT images. The SLO image verifies the position of the 3D OCT data to ensure repeatability and accuracy of location.

Technical Data

TOMOGRAPHIC IMAGING	
Purpose:	Cross sectional imaging of ocular structures including the fundus
Signal Type:	Optical scattering from tissue
Signal Source:	Super Luminescent Diode (SLD) 830 nm
Optical Power:	<750 microwatts at cornea.
Typical Axial Resolution:	Digital on-screen <6 micron.
Transverse Resolution:	20 micron (in tissue)
OCT Scan Patterns:	Line Scan (B-Scan), Raster B-Scan,
Scanning Rate Variable:	8, 16, 32 frames/second
Longitudinal and Coronal (Depth) Scan Range:	2.0 mm
FUNDUS IMAGING	
Purpose:	Confocal SLO fundus image for alignment, orientation and registration of the OCT image, for further observation
Field of View:	29 degrees
Viewing Method:	19" LCD color display monitor
ELECTRICAL	
Imaging system only	
Single phase:	115/120V ~ systems: (+/-10%), 2.6A 230/240V ~ systems: (+/-10%), 1.3A
Total power requirements and power consumption for: Imaging system, PC computer, LCD monitor and motorized table	
115/120V ~:	(+/-10%), 10.6A 1KVA
230/240V ~:	(+/-10%), 5.3A 1KVA
Frequency:	50/60Hz
Main fuses:	for 115/120V (10.0A. for 230/240 V (5.0A))
CONTROL UNIT	
CPU:	2.6GHz Quad core, 1GB DDR RAM
Monitor:	19" Color LCD Monitor
Control Input Devices:	Keyboard, mouse, and joystick
Storage:	500 GB hard disk

Specifications subject to change without notice

Normative data is not available in the US.

Optos is a leading provider of innovative solutions for comprehensive retinal evaluation, enabling practitioners to more effectively detect, monitor and promote patient health.

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