SOCT Copernicus REVO Specification

Technology	Spectral Domain OCT
Light Source	SLED, Wavelength 840nm
Bandwidth	50 nm half bandwidth
Scanning speed	27000 A-scan per second
Axial resolution	5 μm in tissue
Transverse Resolution	12 μm, typical 18 μm
Overall scan depth	2.4 mm
Scan range	3 to 12 mm
Scan types	3D, Radial, B-scan, Raster, Cross
Fundus image	Live Fundus Reconstruction
Alignment method	Fully automatic, Semi-automatic
Retina analysis	Retina thickness, Inner retinal thickness, Outer retinal thickness, RNFL+GCL+IPL thickness, GCL+IPL thickness, RNFL thickness, RPE deformation, IS/OS thickness
Glaucoma analysis	RNFL, ONH morphology, DDLS, Ganglion analysis as RNFL+GCL+IP and GCL+IPL, OU and Hemisphere asymmetry
Anterior	Pachymetry, LASIK flap, Angle Assessment, AIOP, AOD 500/750, TISA 500/750
Anterior Wide Scan	Angle to Angle view, Adapter required
Minimum pupil size	3 mm
Focus adjustment range	-25D to +25D
Dimensions	382 (W) x 549 (D) × 462 (H) mm
Weight	23 kg
Fixation target	OLED display (The target shape and position can be changed), External fixation arm
Power supply	110-230 V, 60/50 Hz
Power consumption	115 - 140 VA

CE 0197

As simple as pressing
the START button



www.optopol.com

SOCT Copernicus REVO

Local Distributor:

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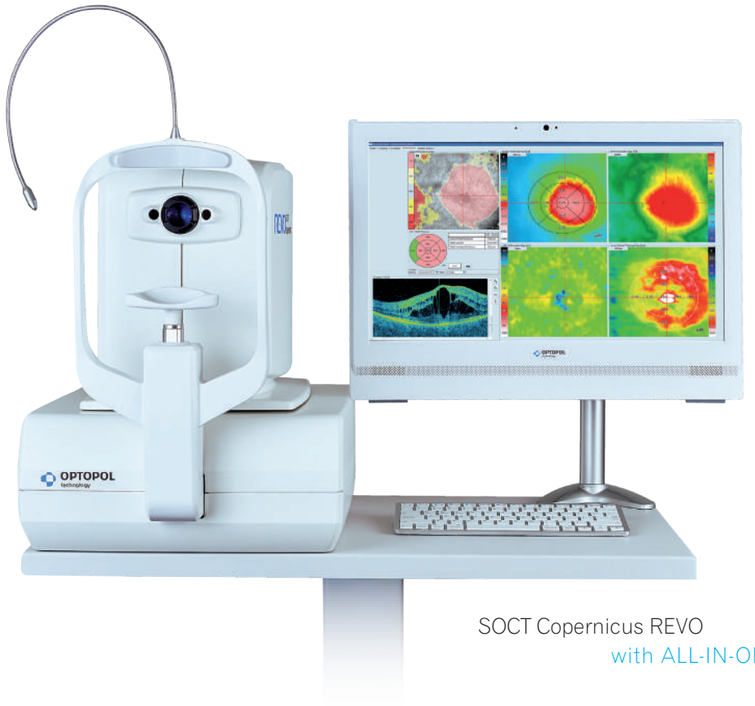
OPTOPOL technology

ver. SOCT REVO 08 -2015

SOCT Copernicus REVOlution starts again

Our supreme experience in Spectral Domain OCT allows us to provide the market with the modern OCT offering remarkable simplicity of operation. The new SOCT Copernicus REVO meets all demands in daily routine practice.



SOCT Copernicus REVO
with ALL-IN-ONE PC

OCT made simple as never before

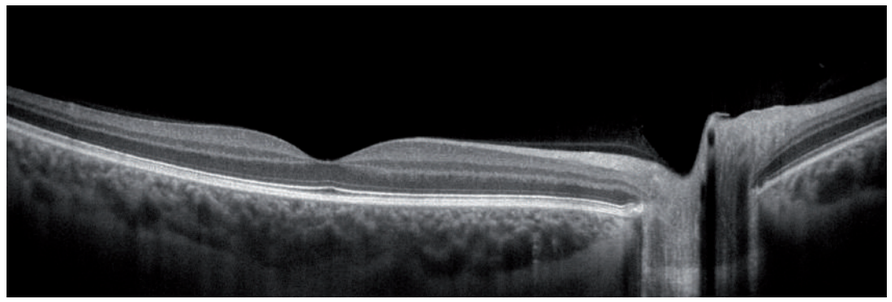
Position the patient and press the START button to acquire examinations of both eyes.

Perfectly fitted instrument for every practice

Small system footprint, single USB cable connetion, various operator and patient positions allow to install SOCT Copernicus REVO even in the smallest examination room. Variety of review and analysis tools give the operator a choice of using it as a screening or as an advanced diagnostic device.

High quality of OCT image

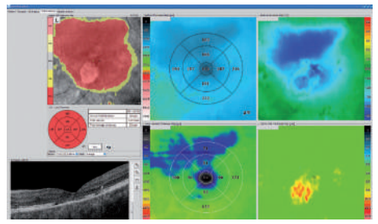
The noise reduction technology provides the finest details proven to be important for early disease detection.

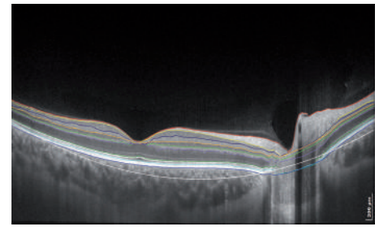


RETINA

Single 3D Retina examination is enough to perform both Retina and Glaucoma analysis based on retinal scans.

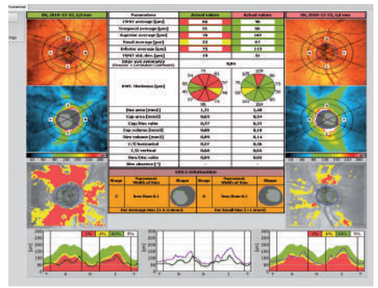
Software automatically recognizes 8 retina layers. Thus allowing a more precise diagnosis and mapping of any changes in the patient's retina condition.

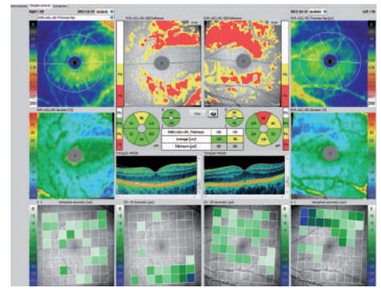




GLAUCOMA

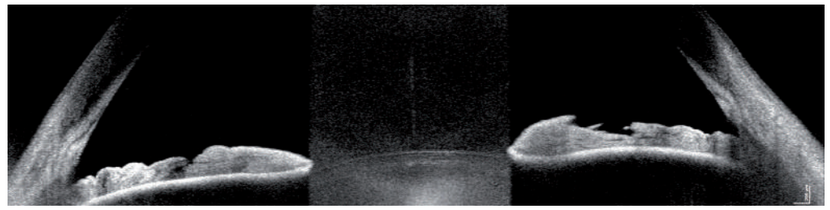
Comprehensive glaucoma analysis tools for Quantification of Optic Nerve Head, Retina Nerve Fiber Layer, DDLS, Ganglion layer and Asymmetry.





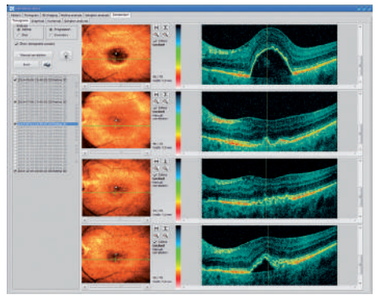
ANTERIOR

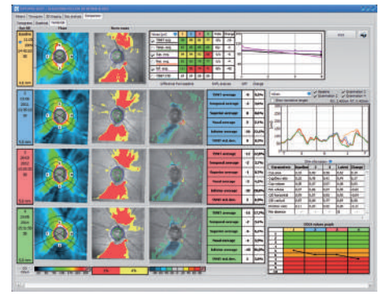
For standard examination no additional lens is required. Additional adapter provided with the device allows to make wide scans of anterior segment.



FOLLOW UP

High density of standard 3D scan allows to precisely track the disease progression. Operator can analyze changes is morphology, quantified progression maps and evaluate the progression trends.





NETWORK

A proficient networking solution increases productivity and an enhanced patient experience. It allows you to view and manage multiple examinations from review stations in your practice. Effortlessly helping to facilitate patient education by allowing you to interactively show examination results to patients. Every practice will have different requirements which we can provide by tailoring a bespoke service. There is no additional charge for the server module.