

OPTICAL COHERENCE TOMOGRAPHY

3D OCT-1000

NEW

World's First!

Combines innovative OCT technology with
a non-mydrriatic retinal camera





For the first time Topcon 3D OCT-1000:

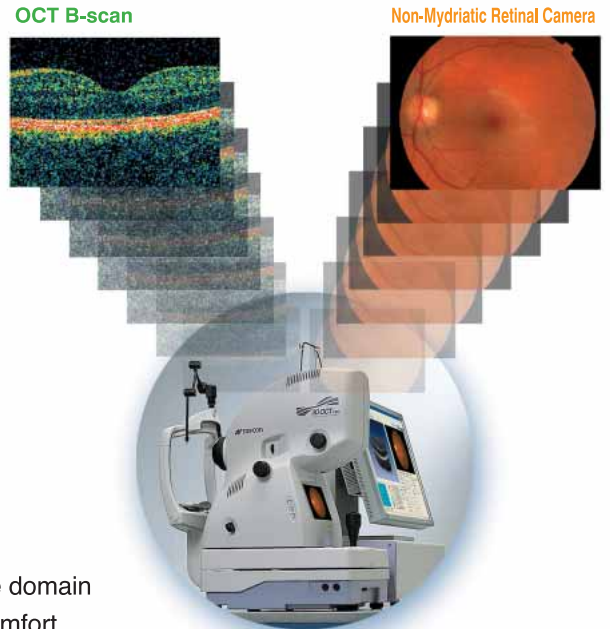
Unprecedented rapid tomographic scanning technology with accurate retinal registration

- OCT+Retinal Camera**
- High Speed Scanning**
- 3D Virtual Microscopic View**
- Accurate Retinal Registration**
- Reproducibility**
- Seamless Interface with IMAGEnet™**

FEATURES

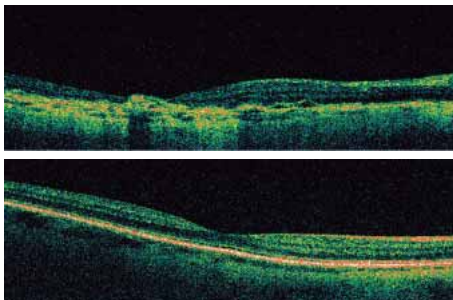
Combines innovative OCT technology with a non-mydratiac retinal camera

Topcon combines the newest spectral domain OCT technology with a non-mydratiac retinal camera to offer the world's most versatile retinal evaluation tool. Easy as 1, 2, 3! 3D OCT-1000 provides infrared alignment viewing with split mechanism; internal matrix LCD for stable fixation; and adjustments for integral signal optimization. These features make the instrument exceptionally easy to use.



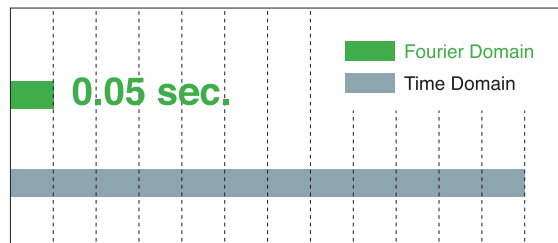
0.05 sec. High Speed B-Scan.

With this technological breakthrough, Topcon's 3D OCT provides three-dimensional OCT images up to 50 times faster than existing time domain technology to reduce patient eye movement and to increase patient comfort. More importantly, high-speed data acquisition makes accurate retinal registration a reality!



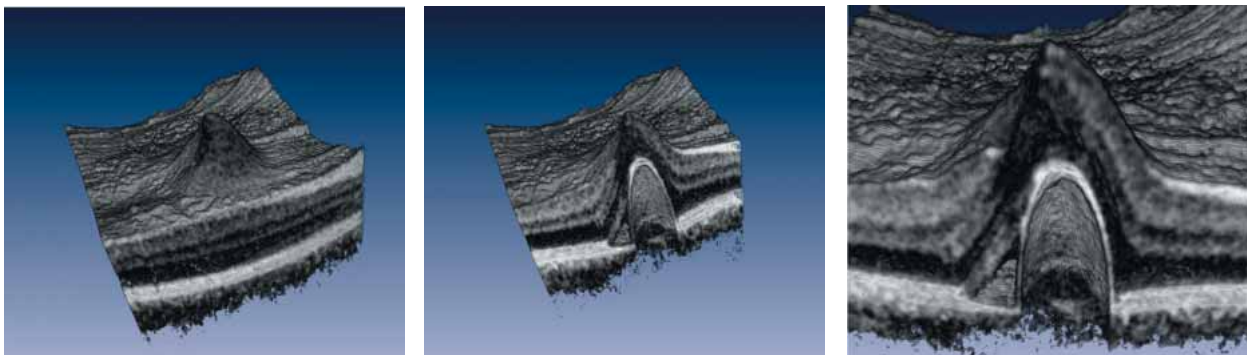
Images courtesy of Vitreous-Retina-Macula Consultants of New York, NY

B-scan Measuring Speed



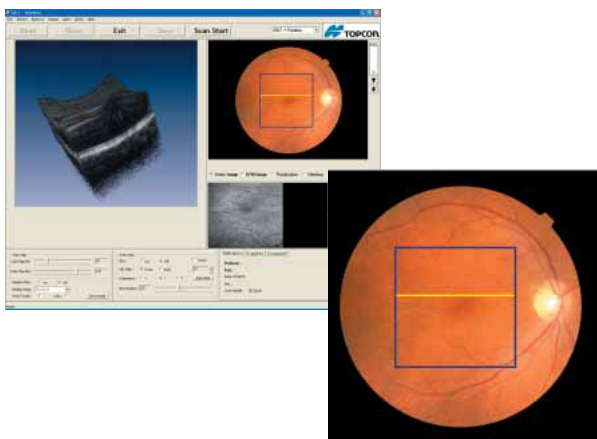
3D Virtual Microscopic View

Topcon's 3D OCT provides a three-dimensional "virtual microscopic view" of the specific-targeted area, featuring accurate retinal registration for the most reliable and reproducible measuring results.



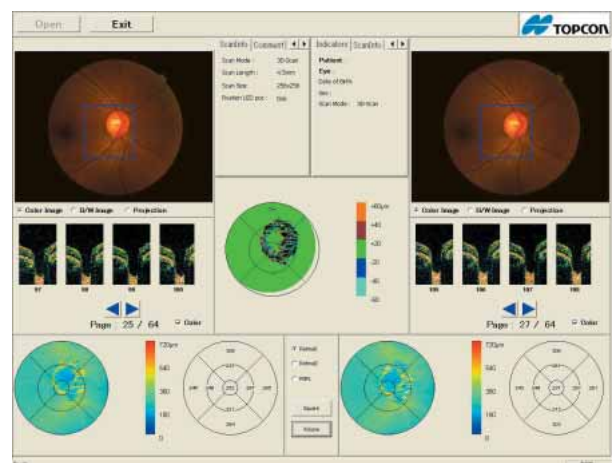
Accurate Retinal Registration

The Topcon 3D OCT-1000 scans a large area with densely-sampled data to ensure that the area of concern is captured. The software allows for a direct comparison between the raster scans on the retinal image to the corresponding OCT tomographic layers. The accurate retinal registration permits subsequent scans of the same area to be repeated for better patient management.



Reproducibility

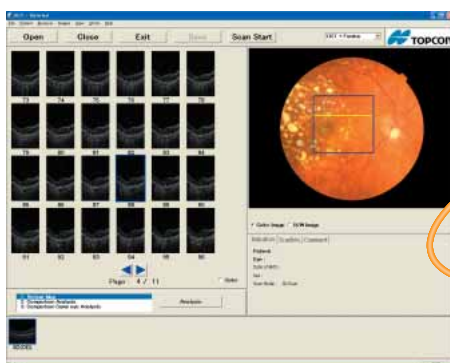
As OCT technology becomes an essential ophthalmic imaging tool, the demand for scanning the same retinal area to track anatomical changes will be even greater! With the advent of accurate retinal registration, now you can scan, evaluate, and compare with confidence.



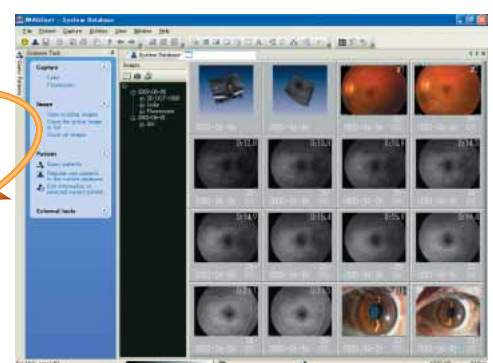
Seamless Interface with IMAGENet™

Optional viewer software enables you to view and interpret 3D OCT data with a networked PC in a satellite room, independent of the capture station. In addition, the 3D OCT-1000 software is fully compatible with IMAGENet and can be used in conjunction with your existing IMAGENet database.

This provides seamless integration with your other imaging procedures (Red Free, Fluorescein, Indocyanine Green, and Auto Fluorescence, etc.) for patient management and clinical presentations.



3D OCT-1000

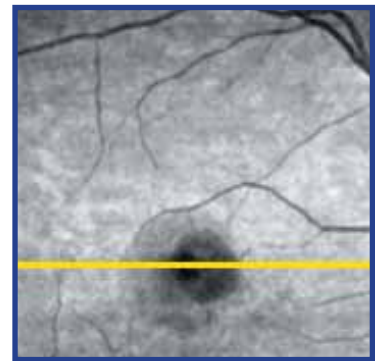
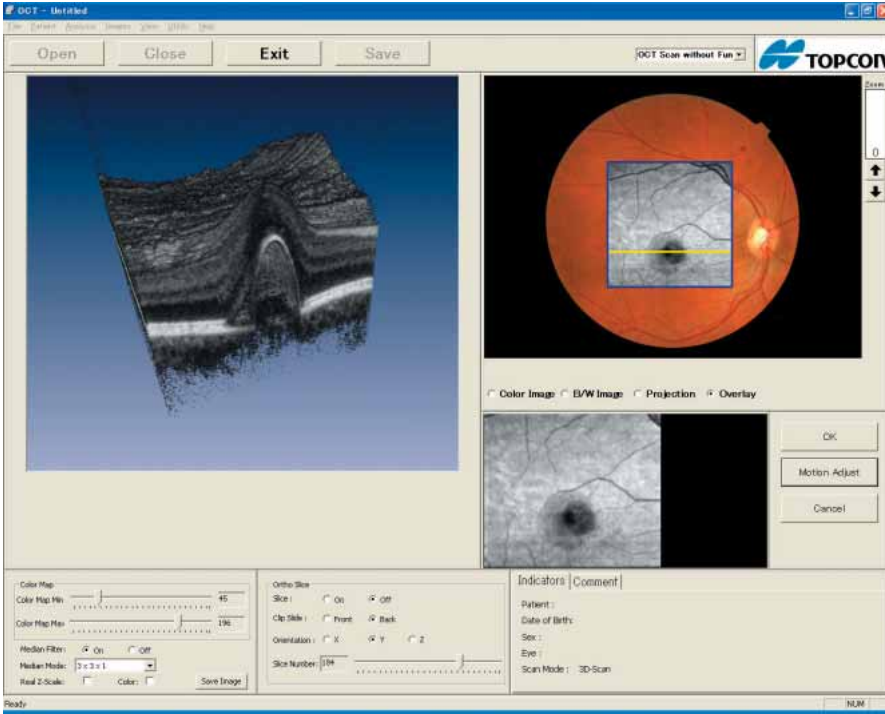


IMAGENet

CASE · 1

PED (Pigment Epithelial Detachment)

38 years old man with idiopathic choroidal neovascularization in his left eye. A retinal pigment epithelial detachment can be seen with surrounding subretinal fluid. The extent of the subretinal fluid can be demonstrated on the fundus image using the device software.

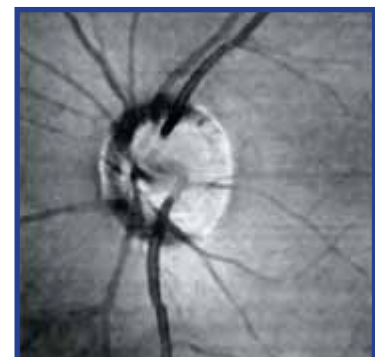
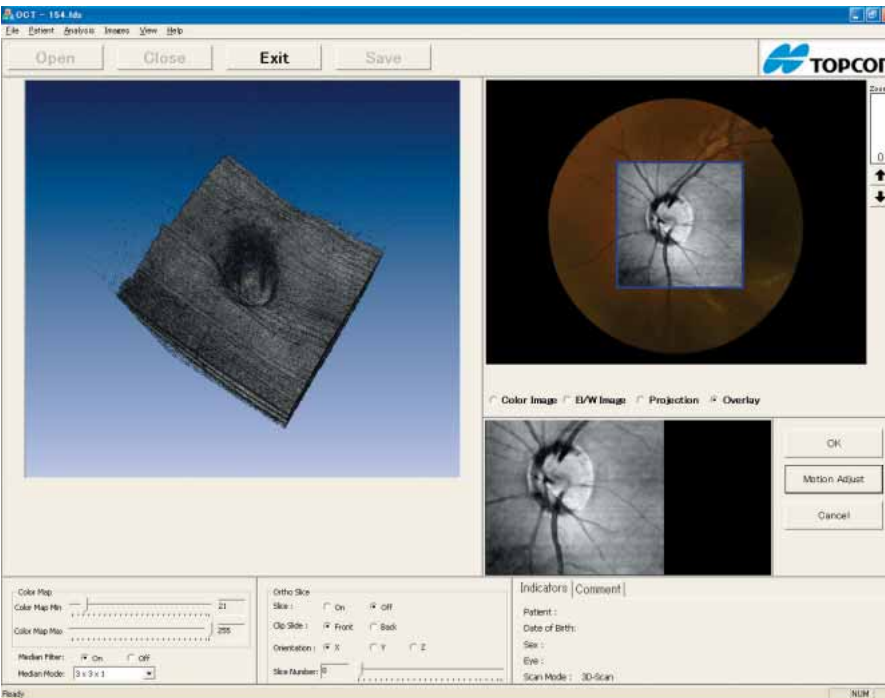


Images courtesy of : Doheny Eye Institute, CA

CASE · 2

Glaucoma Suspect

32 years old woman with strong family history of glaucoma. The optic disc cup can be readily seen and compared to subsequent visits. Nerve fiber layer analysis is also an additional useful way of following this patient.



Images courtesy of : Doheny Eye Institute, CA

Specifications	
Field Angle	45°
	Digital Zoom (2x, 4x)
Working Distance	40.7mm
Pupil Diameter	Ø4.0mm (45°)
	Ø3.7mm (Digital Zoom)
Scanning Range (Retina)	6x6mm, 4.5x4.5mm, 3x3mm
Frame Rate	B-scan mode : 5Hz or more (Variable)
	3D-scan mode : 0.2Hz or more (Variable)
Horizontal Resolution	≤20μm
Longitudinal (Depth) Resolution	5μm
Internal Fixation	Matrix LCD
Diopter Scale Range	w/o compensation lens : -13D~+12D
	w/ compensation lens (-) : -12D~-33D
	w/ compensation lens (+) : +9D~+40D
Light Source	Superluminescent Diodes (SLD)
	Wavelength 840nm
	Half Bandwidth : 50nm
	Output on the cornea : ≤0.65mW
Power Source	Voltage : 100/110/120/220/230/240V
	Frequency : 50-60Hz
Power Supply	160VA (max 400VA)
Dimensions	Main Body:W272mm x D505mm x H565-595mm
	Spectrometer Unit:W320mm x D480mm x H170mm
Weight	Main Body:26kg
	Spectrometer Unit:9kg

*Subject to change in design and/or specifications without advanced notice.

IMPORTANT

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



TOPCON CORPORATION

TOPCON CORPORATION



TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone:3-3558-2523/2522 Fax:3-3960-4214 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.

37 West Century Road, Paramus, NJ 07652, U.S.A.
Phone: 201-261-9450 Fax: 201-387-2710 www.topcon.com

TOPCON CANADA INC.

110 Provencher Avenue, Boisbriand QC J7G 1N1, CANADA
Phone: 450-430-7771 Fax: 450-430-6457 www.topcon.ca

TOPCON EUROPE MEDICAL B.V.

Essebaan 11, 2908 LJ Capelle a/d IJssel, THE NETHERLANDS
Phone: 010-4585077 Fax: 010-2844940 www.topcon.eu

ITALY OFFICE

Via Dell'Industria n. 60, 20037 Paderno Dugnano, (Milano), ITALY
Phone: 02-61-25-583 Fax: 02-61-25-927 www.topcon.it

DENMARK OFFICE

Praestemarksvej 25, 4000 Roskilde, DENMARK
Phone: 046-32-7500 Fax: 046-32-7555

IRELAND OFFICE

Unit 59 Western Parkway Business Centre,
Lower Ballymount Road, Dutilin 12, IRELAND
Phone: 01460-0021 Fax: 01460-0129

TOPCON S.A.R.L.

89, Rue de Paris 92585 Clichy, Cedex, FRANCE
Phone: 01-41069494 Fax: 01-47390251 www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.

Gleissstraße 31-33, D-47877 Willich, Germany
Phone: 02154-8850 Fax: 02154-885111 www.topcon.de

TOPCON SCANDINAVIA A.B.

Neogatan 2 S-43151 Mölndal, SWEDEN
Phone: 31-7109200 Fax: 31-7109249 www.topcon.se

TOPCON ESPAÑA S.A.

Frederic Monpou 5, ED, Euro 3, 08960 Sant Just Desvern Barcelona, SPAIN
Phone: 34-93-4734057 Fax: 34-93-4733932 www.topcon.es

TOPCON (GREAT BRITAIN) LTD.

Topcon House, Kennet Side, Bone Lane, Newbury,
Berkshire RG14 5PX United Kingdom
Phone: 01635-551120 Fax: 01635-551170 www.topcon.co.uk

TOPCON SOUTH ASIA PTE.LTD.

Blk 192 Pandan Loop, #07-01 Pntech Industrial Complex, Singapore 128381
Phone: 62780222 Fax: 62733540 www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN. BHD.

Exella Business Park Block C, 1st Floor, Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone: 03-42701192 Fax: 03-42704508

TOPCON INSTRUMENTS (THAILAND) CO.,LTD.

77/162 Sinnsathorn Tower, 37th Floor, Krungthoruri Road,
Klongtonnai, Klongsam Bangkok 10600 THAILAND
Phone: 02-440-1152-7 Fax: 02-440-1158

TOPCON KOREA CORPORATION

2F Yoseoung Bldg., 1595-3, Seocho-Dong, Seocho-Gu, Seoul, 137-876, Korea
Phone: 2-2055-0321-7 Fax: 2-2055-0319 www.topcon.co.kr

TOPCON OPTICAL(H.K.) LTD.

2/F., Meeco Industrial Bldg., No.53-55 Au Pui Wan Street,
Fo Tan Road, Sha Tin, N.T., Hong Kong
Phone: 852-2690-1328 Fax: 852-2690-2221 www.topcon.com.hk

TOPCON CORPORATION BEIJING OFFICE

Building B No.9, Kangding Street
Beijing Economic Technological Development Area, Beijing, 100176 CHINA
Phone: 21-52387722 Fax: 21-52370761

TOPCON CORPORATION SHANGHAI OFFICE

14L HUAMIN EMPIRE PLAZA, No.726, Yan-an Xi Road, Shanghai, CHINA
Phone: 21-52387722 Fax: 21-52370761

TOPCON CORPORATION BEIRUT OFFICE

P.O. BOX 70-1002 Antelias, BEIRUT-LEBANON
Phone: 961-4-5232525/5232526 Fax: 961-4-521119

TOPCON CORPORATION DUBAI OFFICE

C/O Atlas Medical FZCO., P.O.BOX 54304, C-25,
Dubai Airport Free Zone, United Arab Emirates
Phone: 971-4-2995900 Fax: 971-4-2995901