

Optical Coherence Tomography

3D OCT-1000

NEW



CONNECTING VISIONS



Recent advances in intravitreal therapy have given ophthalmologists real weapons to effectively treat many ocular diseases. These advances have heightened the need to accurately monitor your patient's response to therapy, identify lesions as early as possible as well as monitor subtle changes to the various layers of the retina.

In order to see everything you need a system, instrument and software, which give you the power to see a wide area of the retina as well as the vitreous.

You also need a system that gives you the power to scan the exact same area of the retina every time so that you can monitor your patient's progress over the course of their treatment.

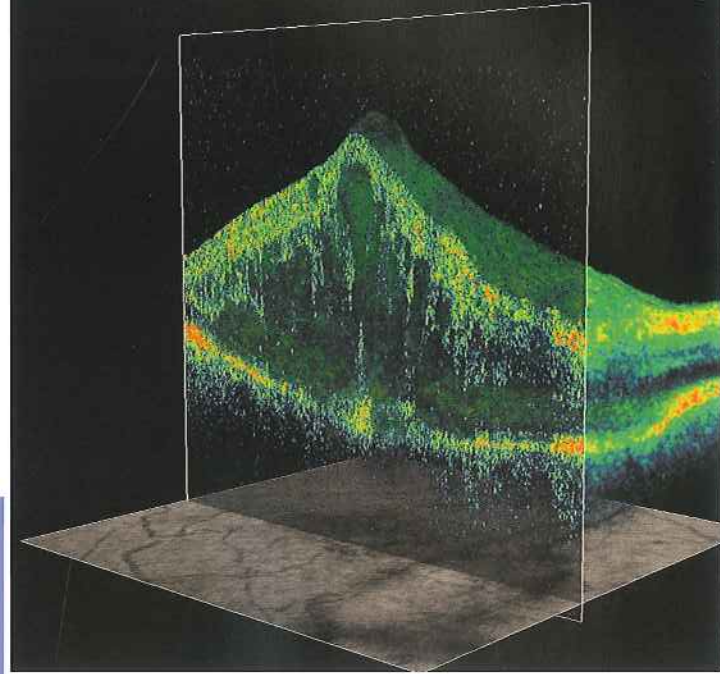
TOPCON, the world leader in spectral domain OCT, is proud to introduce the 3D OCT-1000 MarkII cutting-edge technology to improve the quality of vision and quality of life.

Revealing Everything

Advanced Features

- High Speed Scanning
- Wider Scanning Area
- Expanded Display of Depth
- Variety of Scanning Protocol

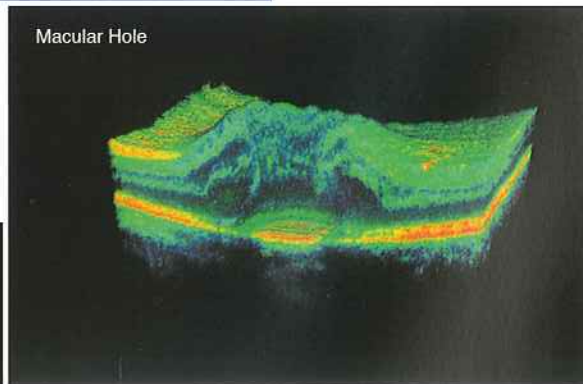
Central Retinal Vein Occlusion



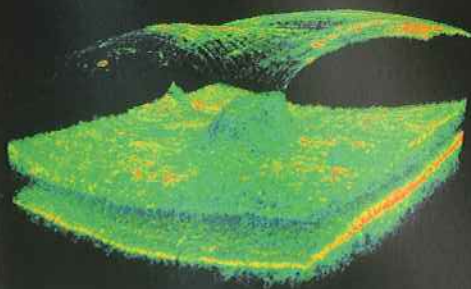
Age Related Macula
Degeneration Soft Drusen



Macular Hole



Vitreous Macular Traction



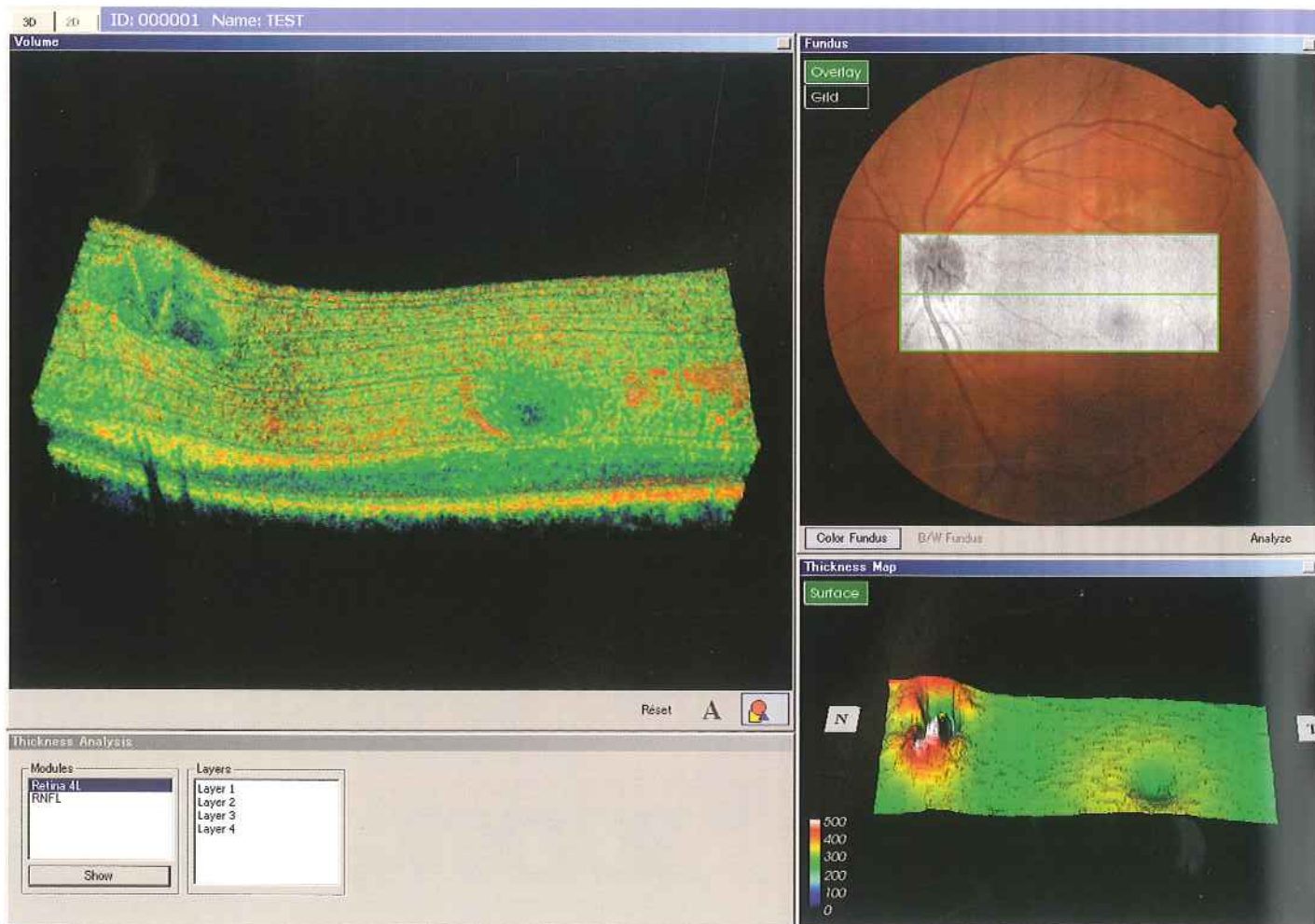
3DOCT-1000
OPTICAL COHERENCE TOMOGRAPHY

MARK II

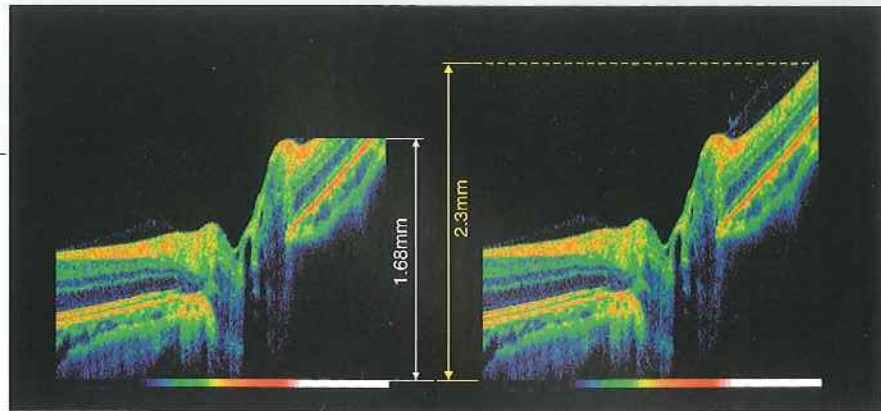


Scanning

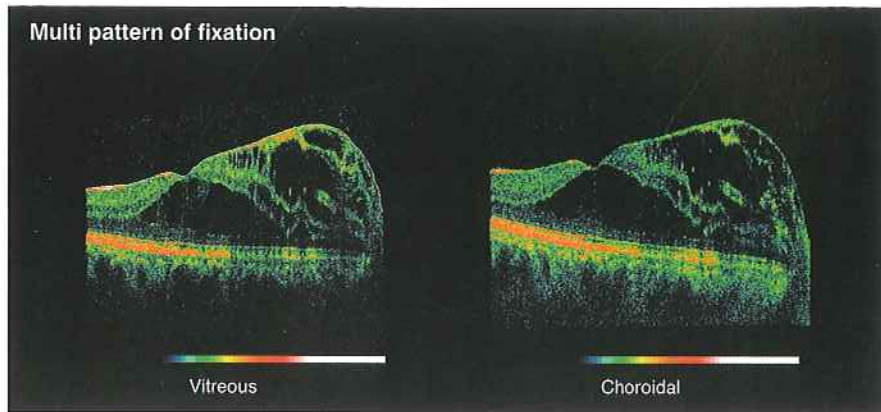
- Spectral Domain OCT with TrueMap™ software provides incomparable details for clinical decision making
- Higher speed scanning to reduce artifacts due to eye movement
- A wider scanning area of 8.2 mm x 3 mm covers the macular and optic disc at once.



- The expanded display of 2.3 mm depth allows you to observe a larger area of the optic disc or high-myopia.



- Fixation pattern, position are selectable and scanning center is movable in full scanning area. All these enable to quickly capture even the most difficult patient.



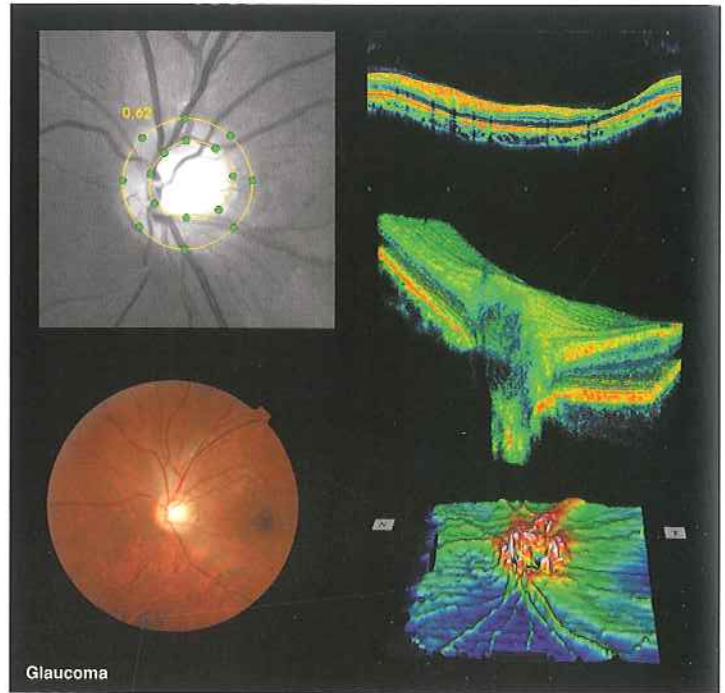
- Easy to use non-mydriatic retinal camera allows you to quickly compare the OCT image to the color fundus image.

- High myopia and cataract patients are easily captured with selectable fixation target.

- An Auto-Z button that includes automatic Z lock button is now next to the omni control stick allowing you to quickly find the optimal scanning position.



The **TrueMap™ software** is intuitive and informative analysis tool of 3D OCT-1000. With this proprietary software, unprecedented detailed imaging of the captured area allows you to see disease at its earliest stage. Needless to say, early detection is critically important in Glaucoma. The TOPCON 3D OCT-1000 with **TrueMap™ software** and unique display of 3D or 2D OCT image, color fundus image, RNFL topography image, and quantitative thickness map allows you to detect subtle variations of RNFL thickness, hopefully before the patient is symptomatic.

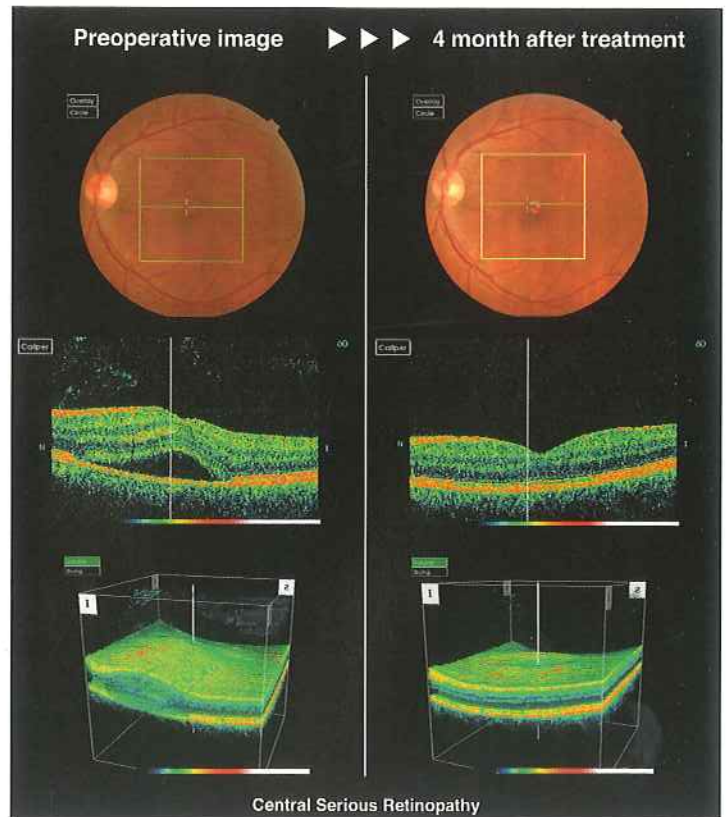


[Data Reproducibility]

The incorporation of the non-mydratric fundus images enables you to quickly see associate the OCT image with the color fundus image.

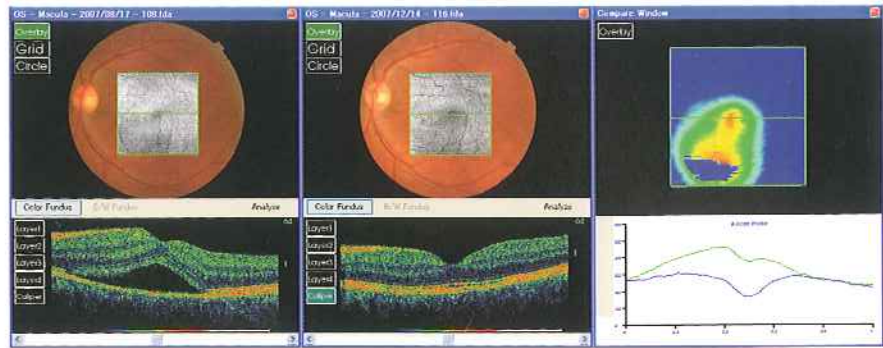
Topcon's PinPoint Registration™ with TrueMap™ software enables easy and accurate chronological assessment of the same area of the retina.

Greatly enhancing your ability to monitor the treatment of Glaucoma, AMD, CME and other eye diseases.



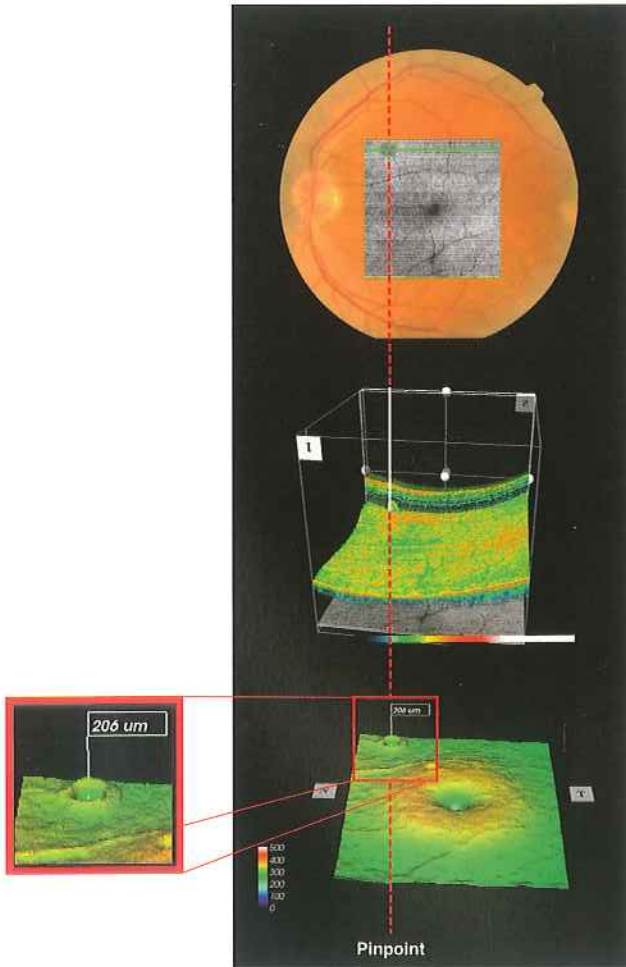
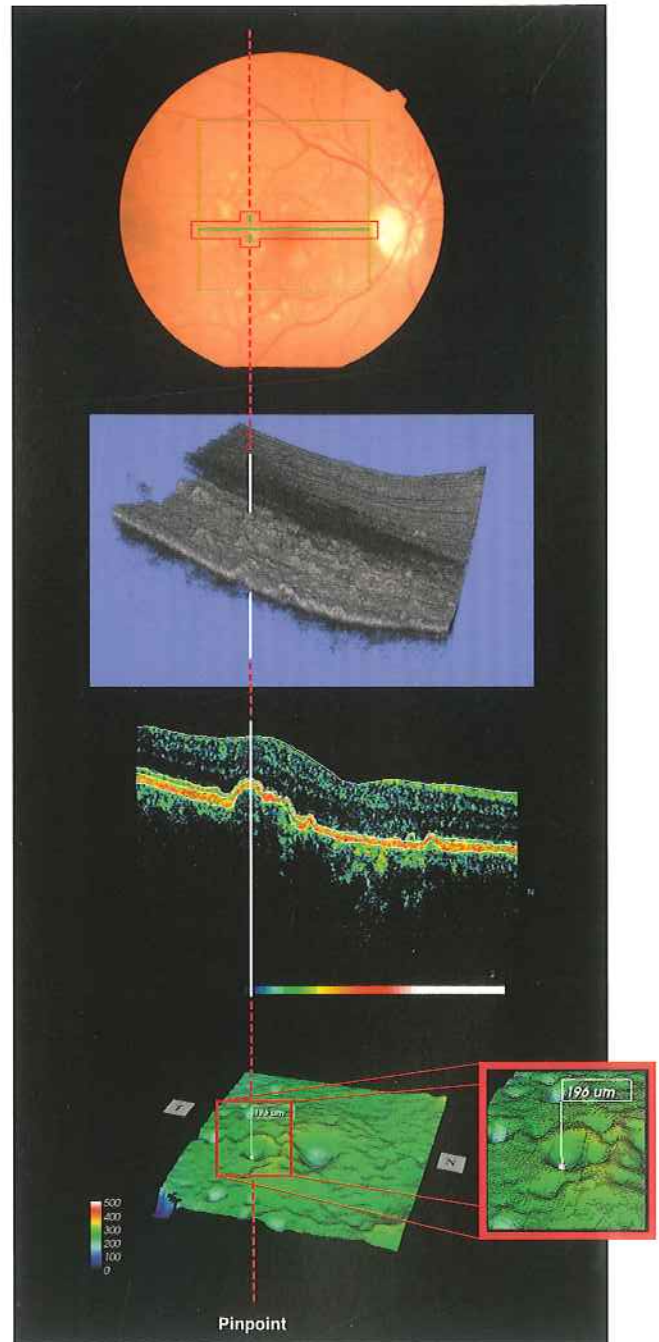
[The compare function]

The compare function allows you to compare side-by-side images and shows the differential map of thickness with PinPoint Registration™ and synchronization. This enables you to directly visualize the effectiveness of treatment.



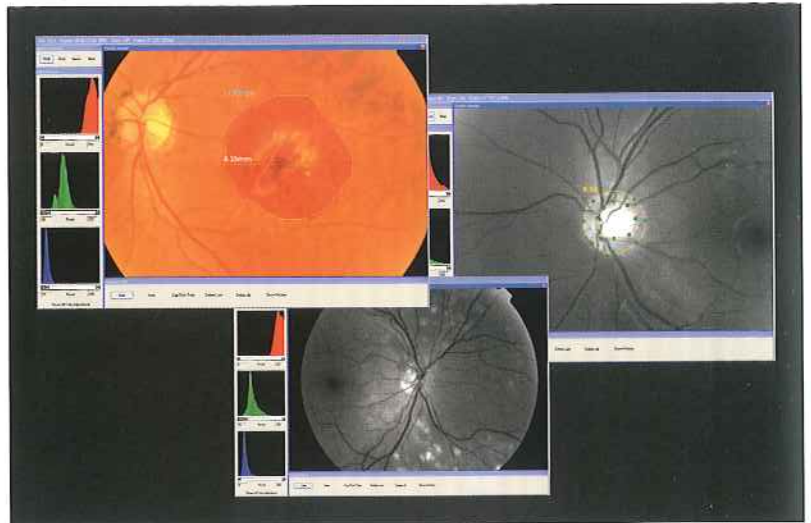
[PinPoint Registration™]

The TrueMap™ software's alignment function quickly removes image artifacts due to axial eye movement while preserving the true anatomical structure of the retina, and displays 3D graphic. This authentic unaveraged image will not miss even the slightest detail. Combined with PinPoint Registration™ the marked point can be reviewed anytime in the 3D scan, 2D Bscan, fundus image or in the thickness map.



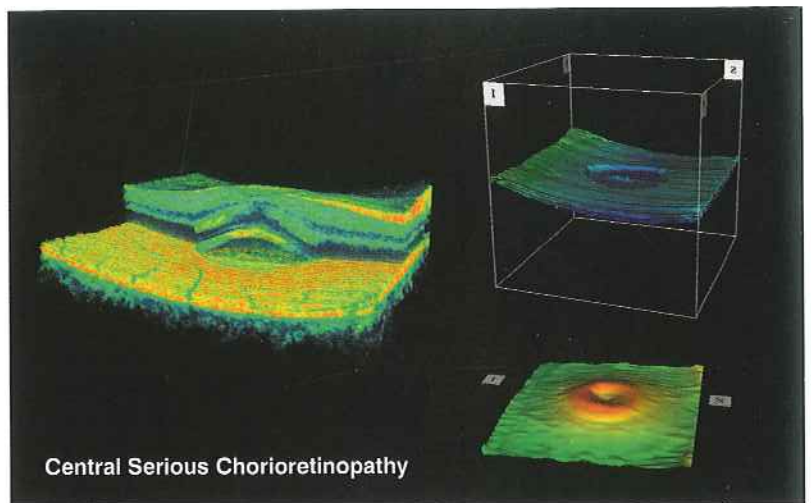
[Fundus image analysis]

The captured color fundus image can be viewed RedFree, Blue only or at your preferable color balance with the RGB control function. Cup-to-disc, line measurement, and area measurement tools are included to enhance your analysis of the image.



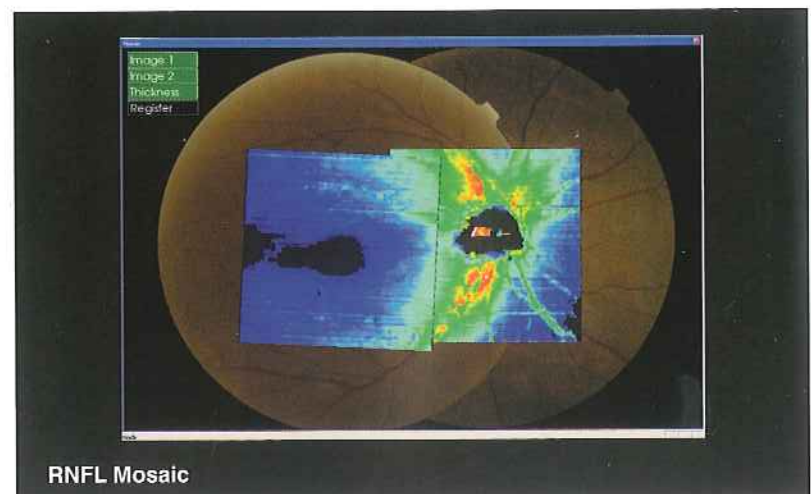
[Tips for 3D image viewing]

Layer segmentation, peeling, moving, and cropping are useful tools for observing the 3D image in greater detail.



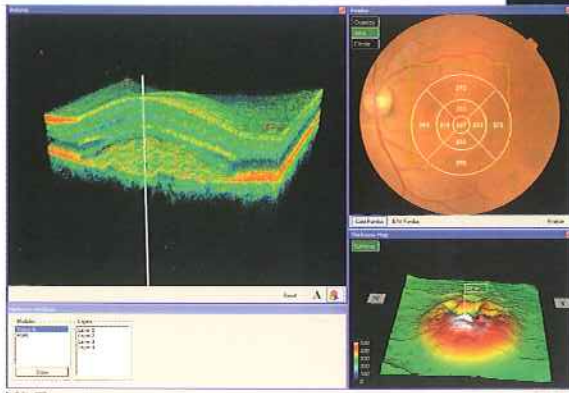
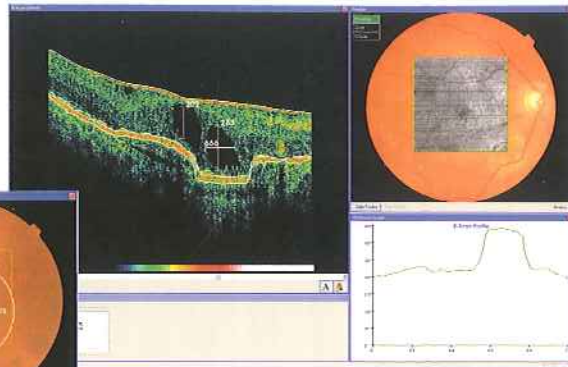
[Mosaic function]

The panoramic fundus image and thickness map for RNFL or RPE covers the whole area of the fundus.

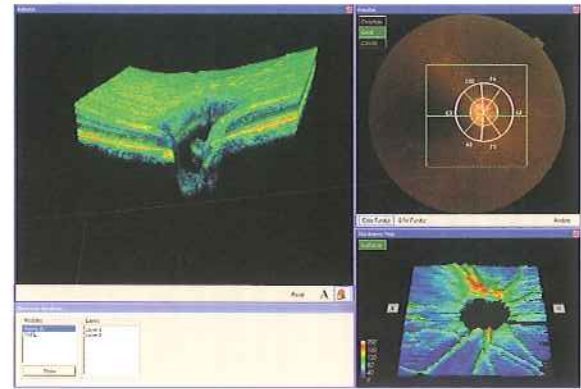


[Quantitative indication]

The caliper function works in any mode of the B scan image, thus the size of lesion can be measured at any angle.



Choroidal Neo Vasculization

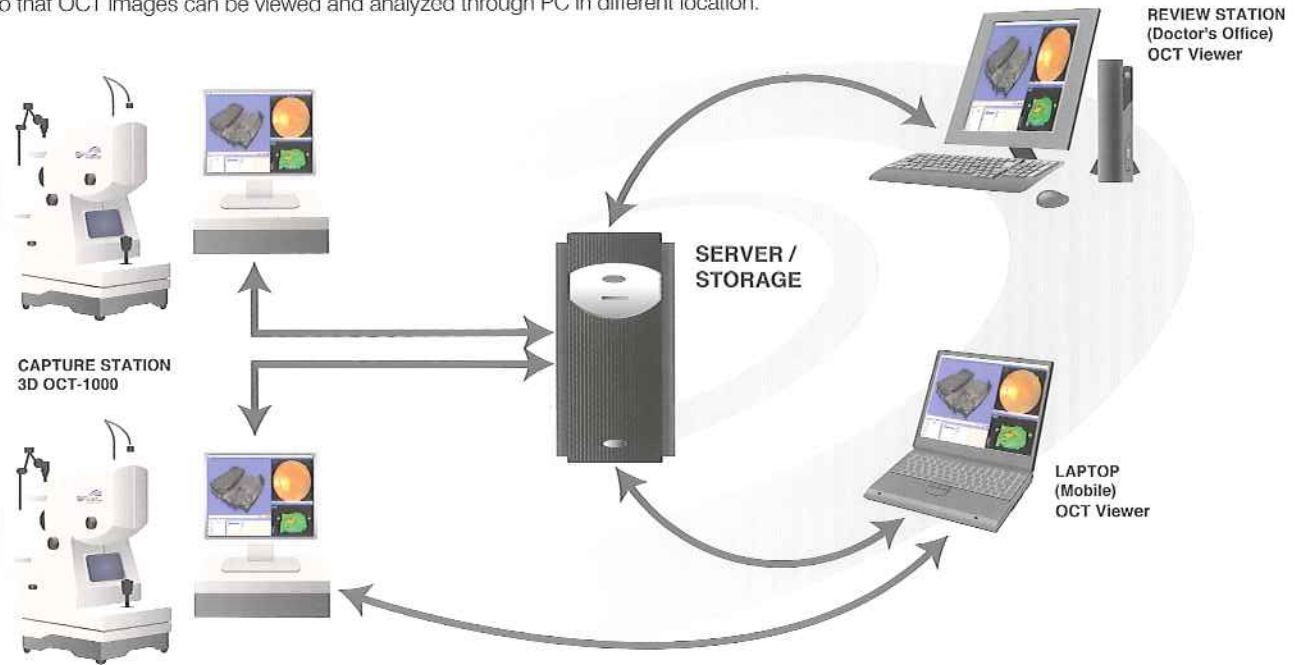


Glaucoma

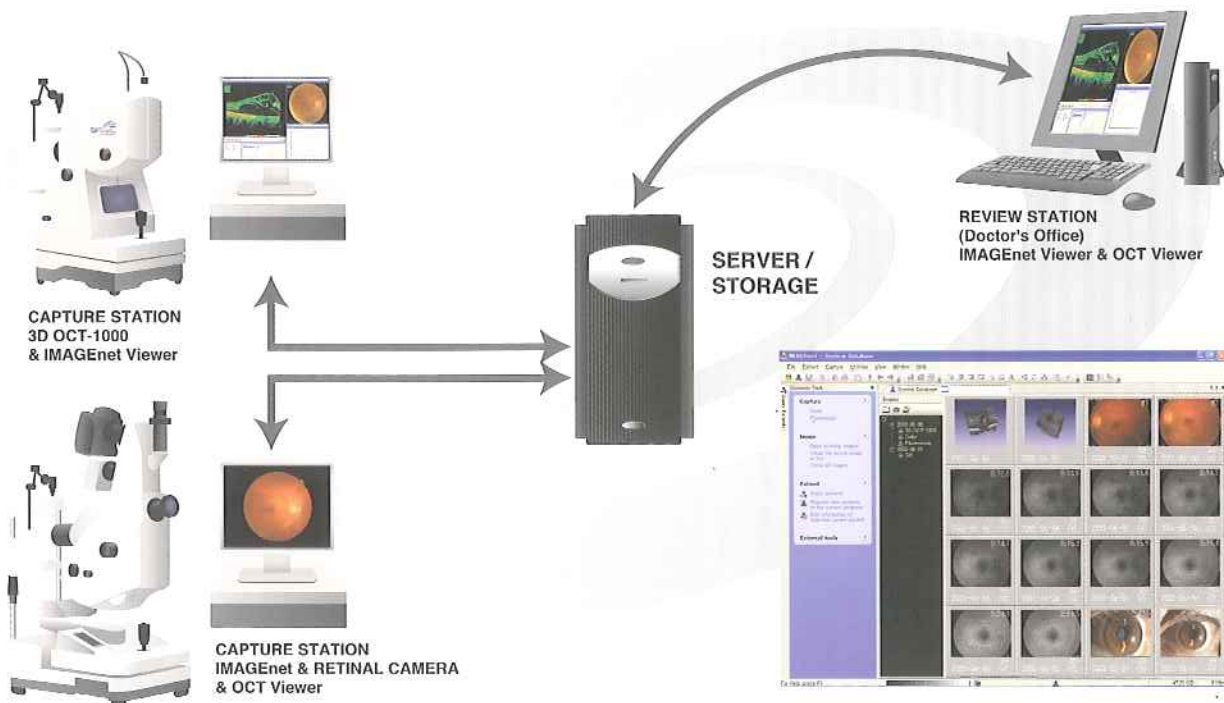


IMAGEnet™ and Networking enhancement

Optional viewer software and network viewer software are also available, so that OCT images can be viewed and analyzed through PC in different location.



Furthermore, an integrated IMAGEnet™ system can consist of the 3D OCT-1000, retinal cameras, and slit lamps etc. Patient information and data are shared in between each unit, therefore images from TOPCON products can be stored in one patient information and be easily accessed. All the images necessary for diagnosis will be managed in one central location, thereby facilitating comprehensive diagnosis.



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, 8.2x3mm |
| Frame Rate | B-scan mode : 5Hz or more (Variable) |
| | 3D-scan mode : 0.2Hz or more (Variable) |
| Horizontal Resolution | ≤20μm |
| Longitudinal (Depth) Resolution | 5-6 μm |
| 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:10kg |



In compliance with the terms of the Export Administration Regulation of the United States of America, the software cannot be sold in all regions or countries.

*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: 201-599-5100 Fax: 201-599-5249 www.topconmedical.com

TOPCON CANADA INC.

110 Provencher Avenue, Boisbriand QC J7G 1N1, CANADA
Phone: 450-439-7771 Fax: 450-430-6157 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: 02-9185671 Fax: 02-91081091 www.topcon.it

DENMARK OFFICE

Præstemarksvej 25, 4000 Roskilde, DENMARK
Phone: 046-32-7500 Fax: 016-32-7555

IRELAND OFFICE

Unit 69 Western Parkway Business Centre,
Lower Ballymount Road, Dublin 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: 01-41390261 www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.

Grossmatten 31-33, 47877 Wülfrath, Germany
Phone: 02154-8850 Fax: 02154-885111 www.topcon.de

TOPCON SCANDINAVIA A.B.

Neogatan 2, 43121 Mölndal, SWEDEN
Phone: 31-7109200 Fax: 31-7109219 www.topcon.se

TOPCON ESPAÑA S.A.

Frederic Mompou 5, Edificio Euro 3, 08980 Sant Just Desvern Barcelona, SPAIN
Phone: 01635-551120 Fax: 01635-551170 www.topcon.co.uk

TOPCON (GREAT BRITAIN) LTD.

Topcon House, Kennel Side, Bose Lane, Newbury, RG14 2PX U.K.
Phone: 01635-551120 Fax: 01635-551170 www.topcon.co.uk

TOPCON POLSKA Sp.zo.o.

Ul. Oswiatowa 77, 49 404 Zawiercie, POLAND
Phone: 326-71-8105 Fax: 326-70-5045

TOPCON SOUTH ASIA PTE.LTD.

Blk 192 Pandan Loop, #07-01 Panleoh Industrial Complex, Singapore 128381
Phone: 62750222 Fax: 62733510 www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN. BHD.

No.01, (Ground, Lower Ground & 1st Floor),
Jalan Fxcello 2, Off Jalan Ampang Putat,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone: 03-42709856 Fax: 03-42709705

TOPCON INSTRUMENTS (THAILAND) CO.,LTD.

77162 Suanvitom Tower, 37th Floor, Krungthornburi Road,
Klongtoey, Klongtoey Bangkok, 10600 THAILAND
Phone: 02-440-1152-7 Fax: 02-440-1158

TOPCON CORPORATION BEIJING OFFICE

Building B No. 9, Kangding Street
Beijing Economic Technological Development Area, Beijing, 100176 CHINA
Phone: 10-6780-2799 Fax: 10-6780-2799

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: 961-4-523525/523526 Fax: 961-4-521119

TOPCON CORPORATION DUBAI OFFICE

P.O BOX 293/05 Office C-25 (row C-2) Dubai Airport Free Zone,
Dubai, United Arab Emirates
Phone: 971-4-2995900 Fax: 971-4-2995901