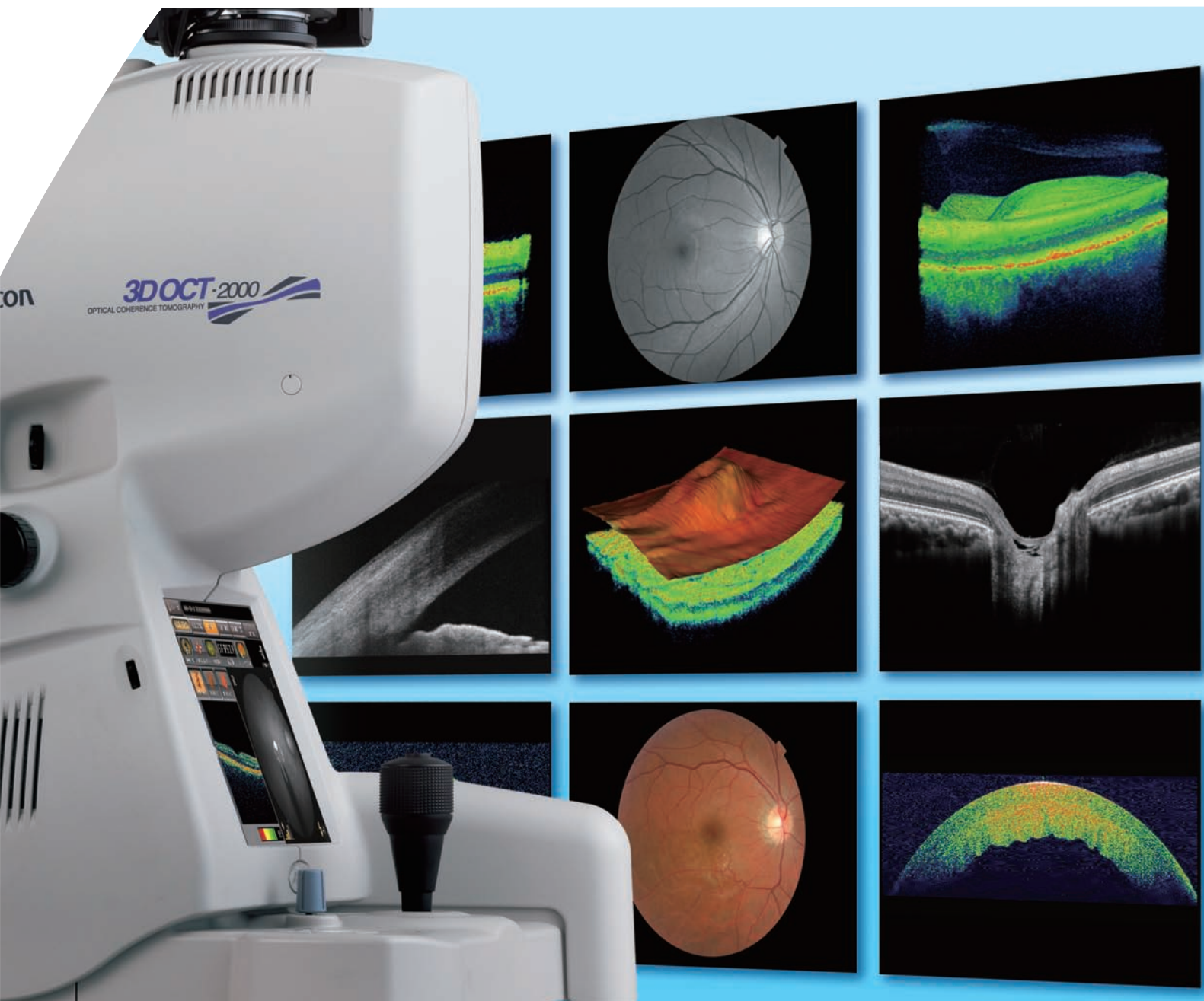
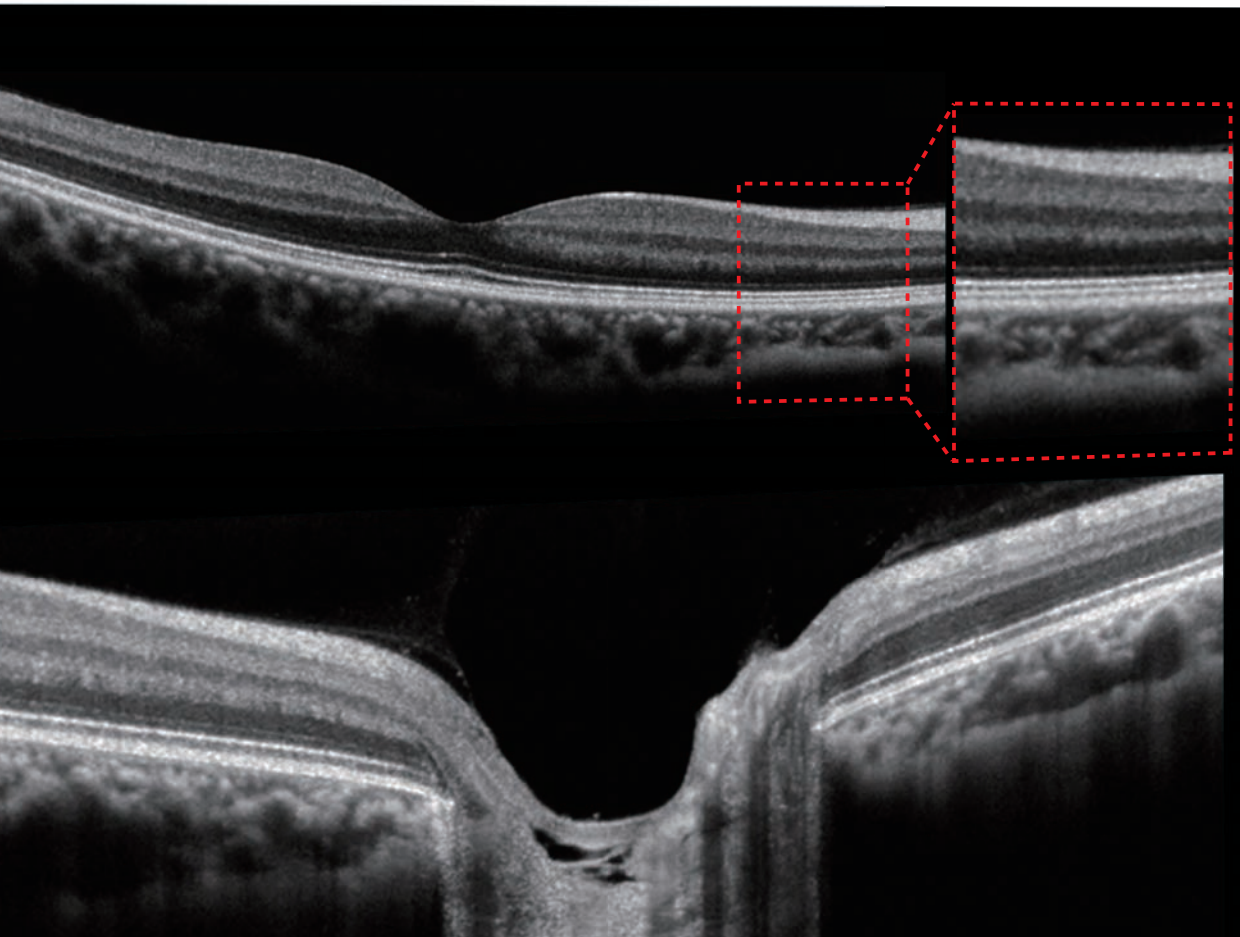


Optical Coherence Tomography

3D OCT-2000



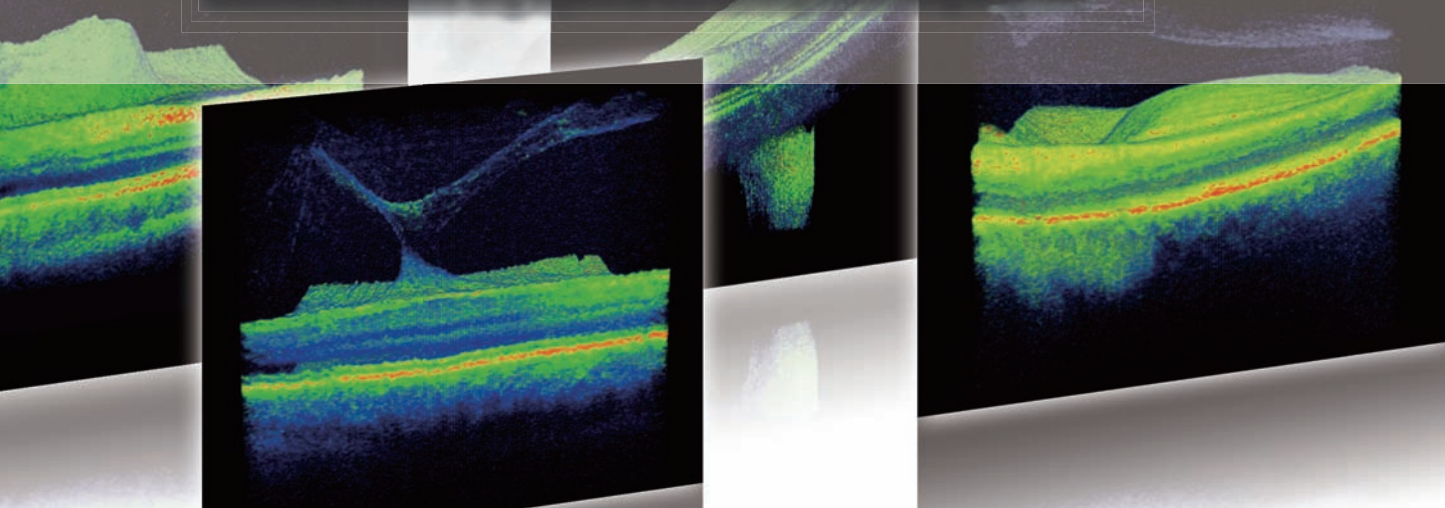
High quality imaging



■ High-resolution OCT

With the addition of noise reducing algorithms and IR / 3D tracking technology, our new generation 3D OCT-2000 brings you extremely beautiful OCT images.

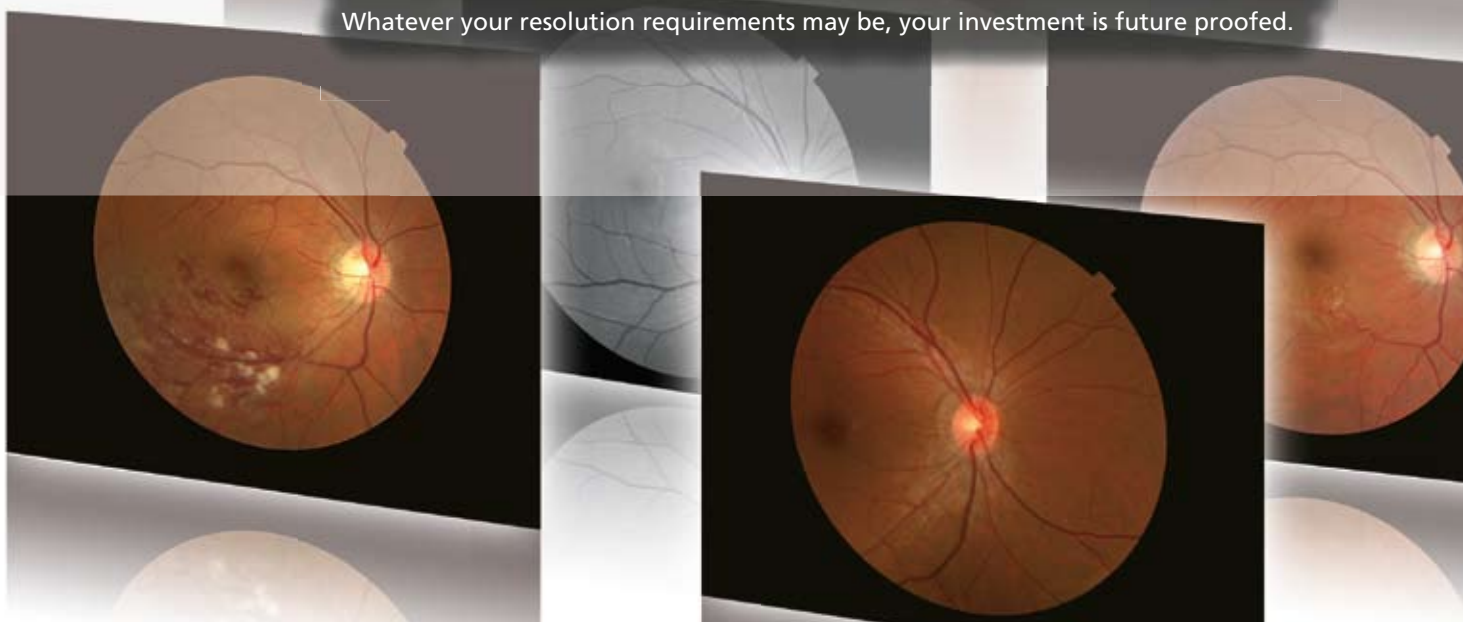
Topcon's 3D imaging and analysis functions provide invaluable pathological confirmation of progression, the true extent of oedema and the influence of vitreoretinal traction. Only Topcon 3D OCT can be your true surgical guide.





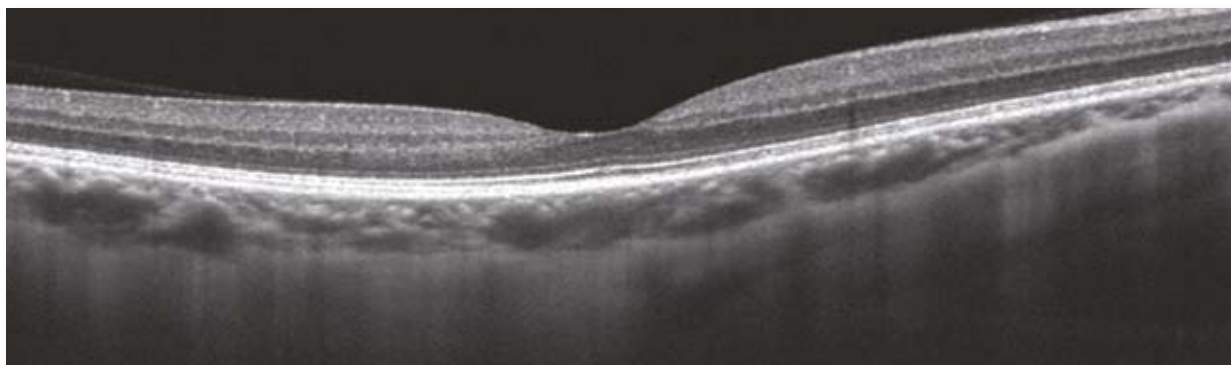
■ Crystal Clear Retinal Photography

Unique to Topcon OCT is its integrated retinal photography function, building on the phenomenal success of its non-mydriatic retinal camera. An interchangeable 12.3 mp digital camera acquires blur free images with sub 1 millisecond strobe flash. Whatever your resolution requirements may be, your investment is future proofed.



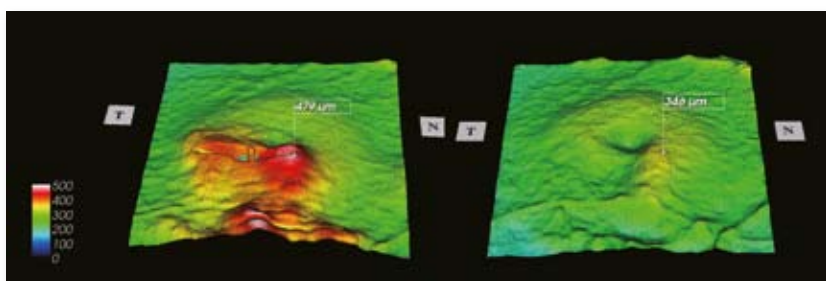
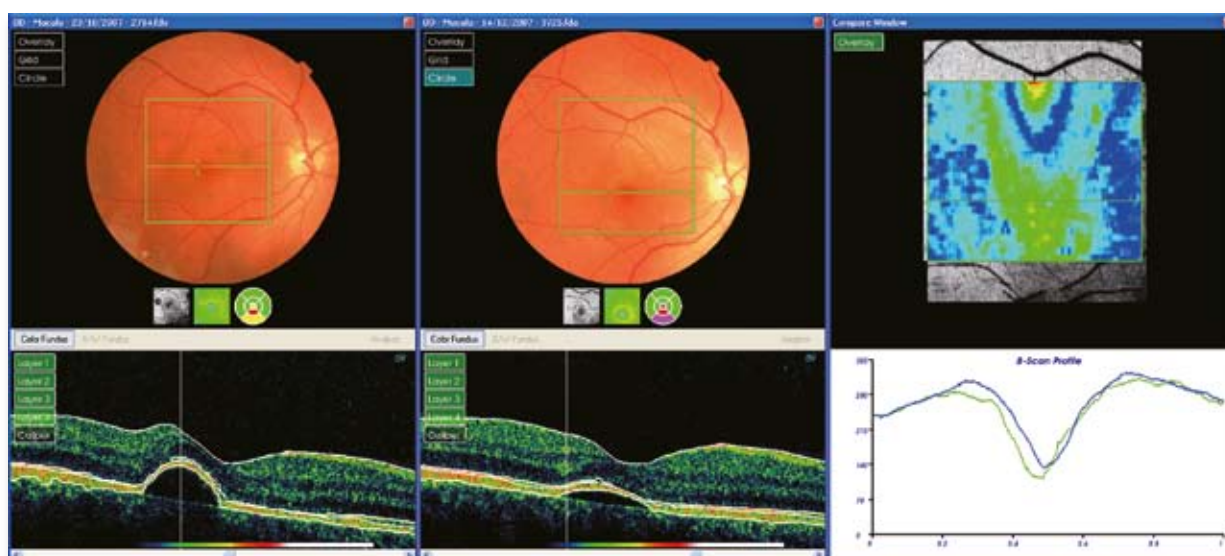
Retina

With Topcon's advanced technologies, indulge yourself in high performance



High-resolution B-scan

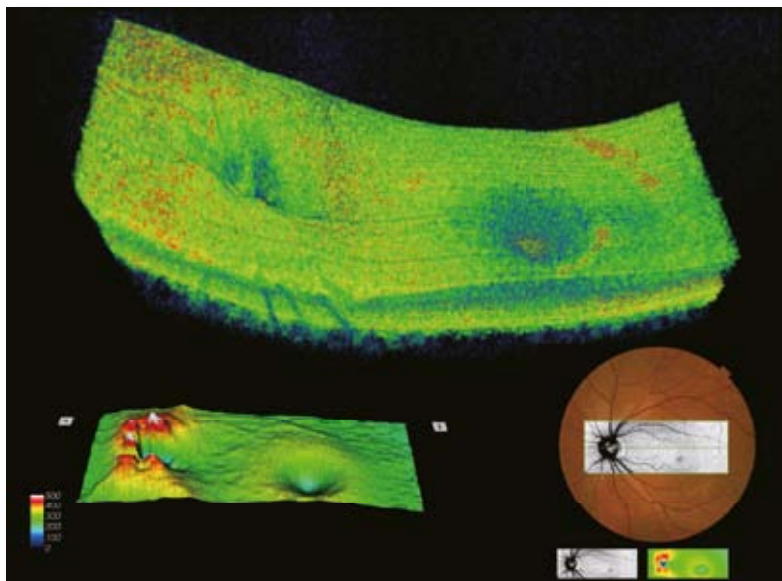
With years of experience in retinal imaging and a passion to produce the highest quality results, we have succeeded in producing our most stunning retinal image ever an overlap of up to 50! With just one click to change the reference mirror position to the choroidal mode, the border between choroid and sclera becomes apparent due to Enhanced Depth Imaging. Trust our newest of 3D OCT-2000 for better visualization and differentiation of each single layer.



Compare Function

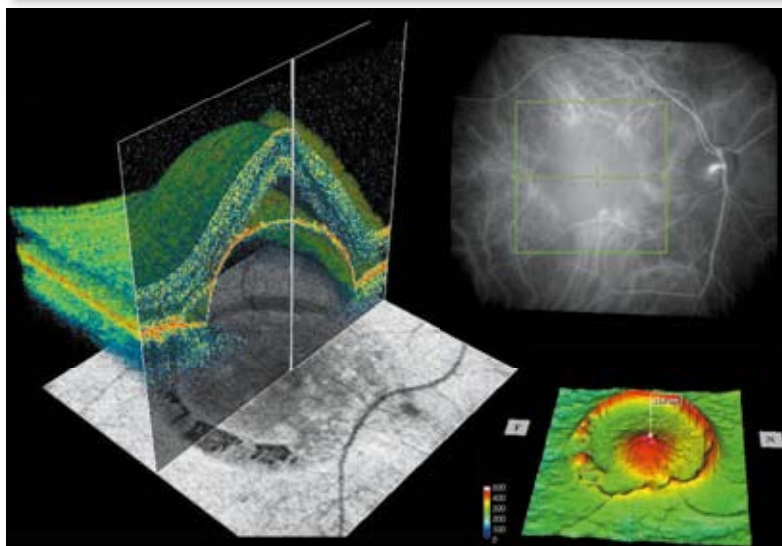
Exclusive 3D OCT FastMap™ software allows for dynamic visualisation of each eye on the same screen or serial exams from the same eyes.

The built in analysis tools illustrate the extent of oedema pre and post treatment, allowing simplistic methods to plan clinical care and track medical effectiveness.



8.2x3mm wide view

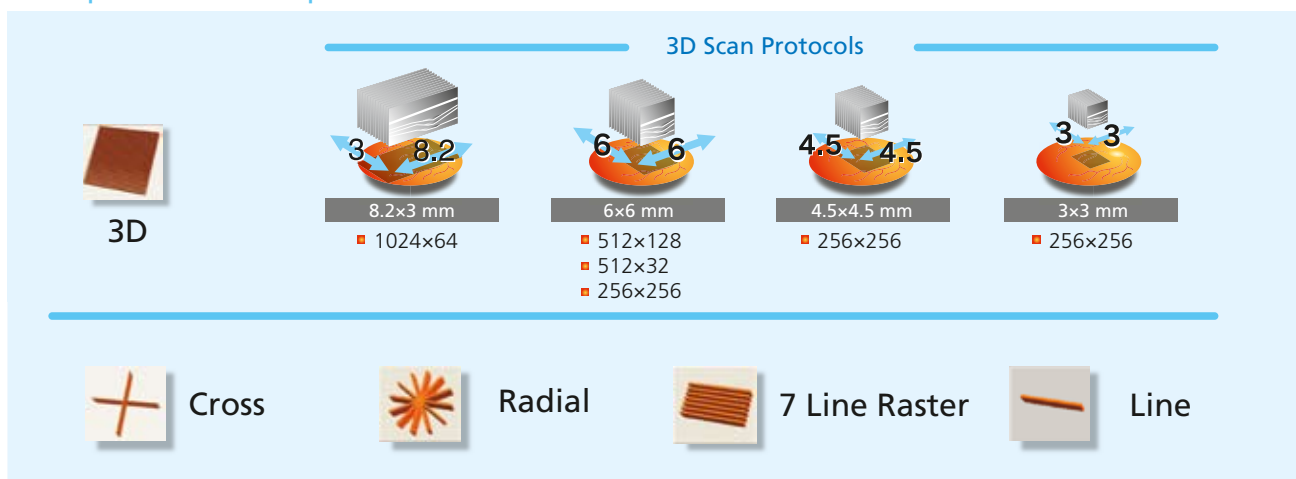
3D OCT-2000 allows for wide area scans, allowing even the smallest area of pathology to be captured during initial scan.



Combination of Topcon 3D OCT & FA/FAF/ICG images and more

Autofluorescence, fluorescence angiography and indocyanine green image is simply imported to allow pin point registration to aid the diagnosis of RPE and choroidal changes.

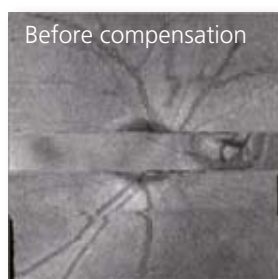
Scan protocols line-up for macula



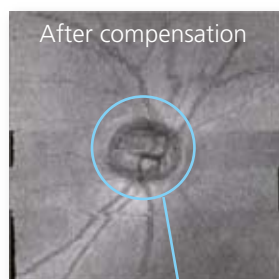
*More protocols available

Glaucoma

Arm yourself with total glaucoma diagnosis and management



Before compensation



After compensation

This picture shows an intentional moving eye to illustrate an example of compensation.

Portion to be evaluated

3D Tracking

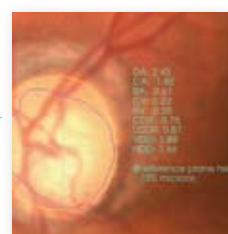
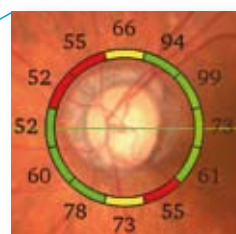
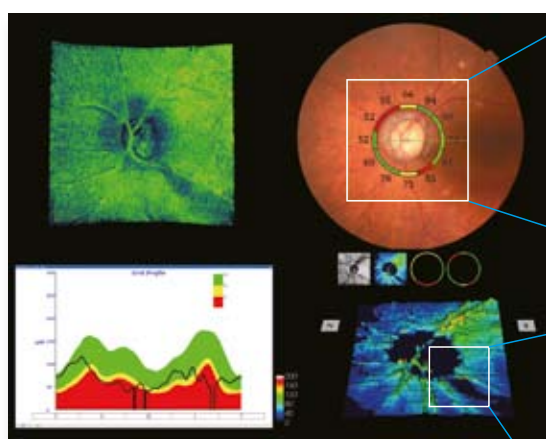
The 3D tracking system (compensation function and rescanning function) reduces blurred images generated by the microsaccades, enabling you to obtain consistent quality images.

• Compensation function

Automatically corrects the distortion due to microsaccades

• Rescanning function

Automatically compensates by rescanning the area when microsaccades cause interference

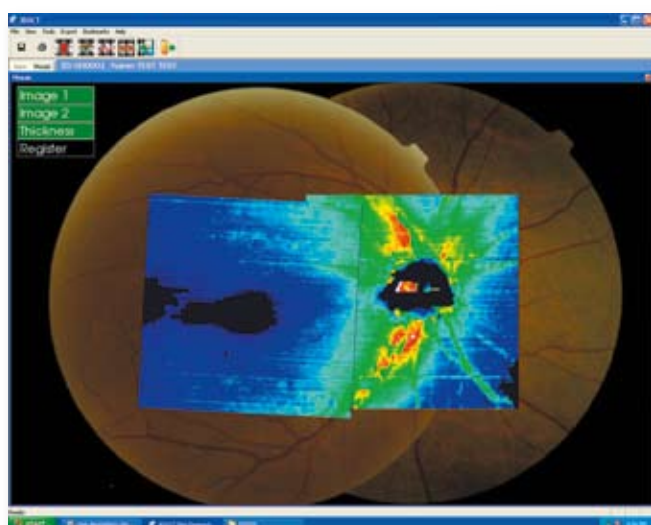


Acquirable data

DA: Disc Area
CA: Cup Area
RA: Rim Area
CV: Cup Volume
RV: Rim Volume
CDR: Cup to Disc Ratio
LCDR: Linear Cup to Disc Ratio
VDD: Vertical D.D
HDD: Horizontal D.D

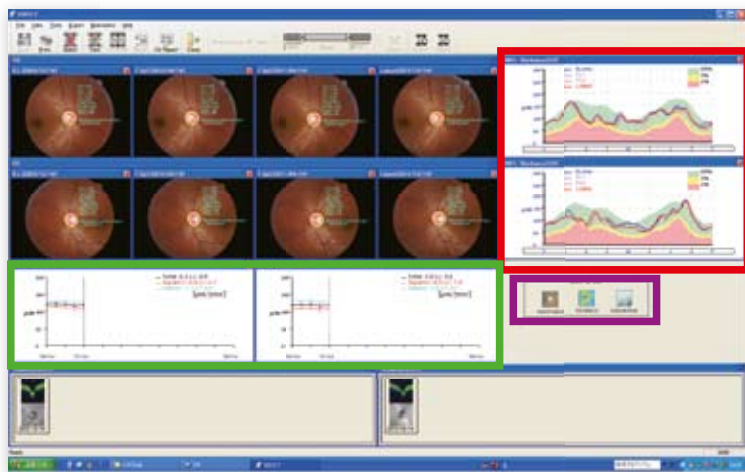
Disc topography module

Comprehensive normative database comparisons combined with C / D ration and topography maps can be displayed and analysed on a single screen or report.



Panoramic fundus view

The mosaic function enables easy assessment of a vast area from macula to disc, providing a broader view of the fundus which can lead to faster detection and treatment for patients.



RNFL Trend Analysis

Change in RNFL thickness

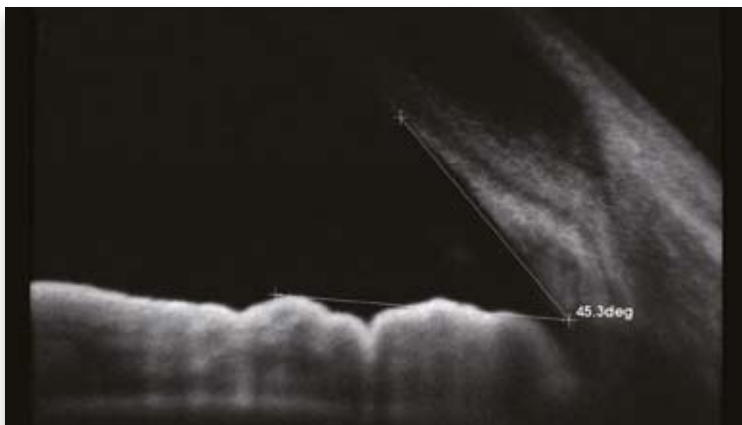
Change in the nerve fibre layer thickness can be monitored via RNFL Trend Analysis and comparison with normative data. Multiple patient visits can be viewed simply on one screen aiding disease management.

Trend analysis

Trend analysis can calculate linear regression lines by using all stored patient data. This chart can be useful to follow patient data as well as a useful patient education tool.

Select an icon

Total patient history data including overlay / thickness map / fundus image can now be shown on the same report.

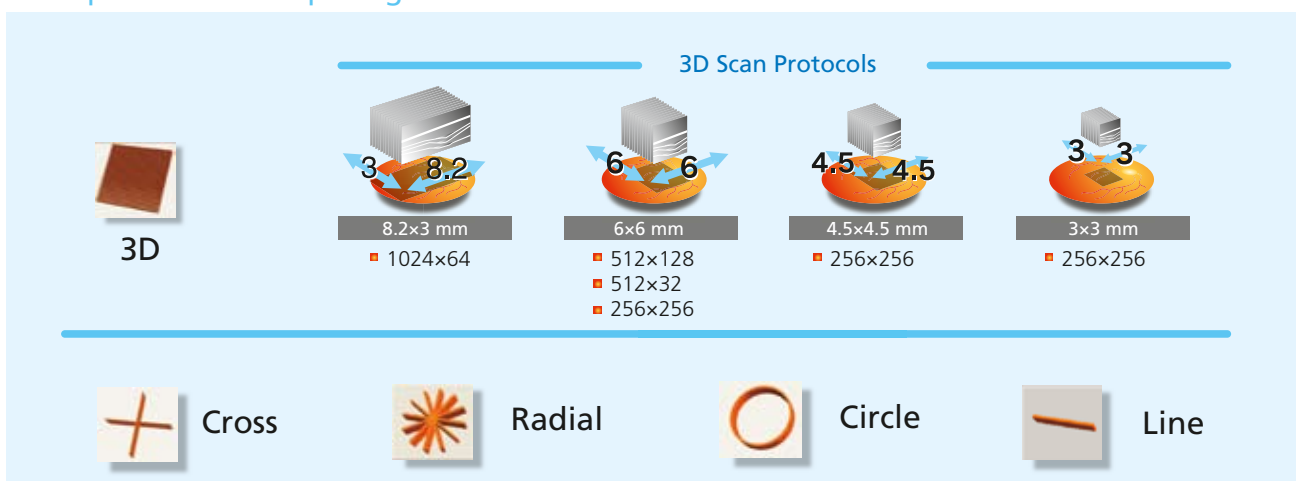


Angle Measurement Function

With automatic calculation, chamber angle measurement is quick and simple.

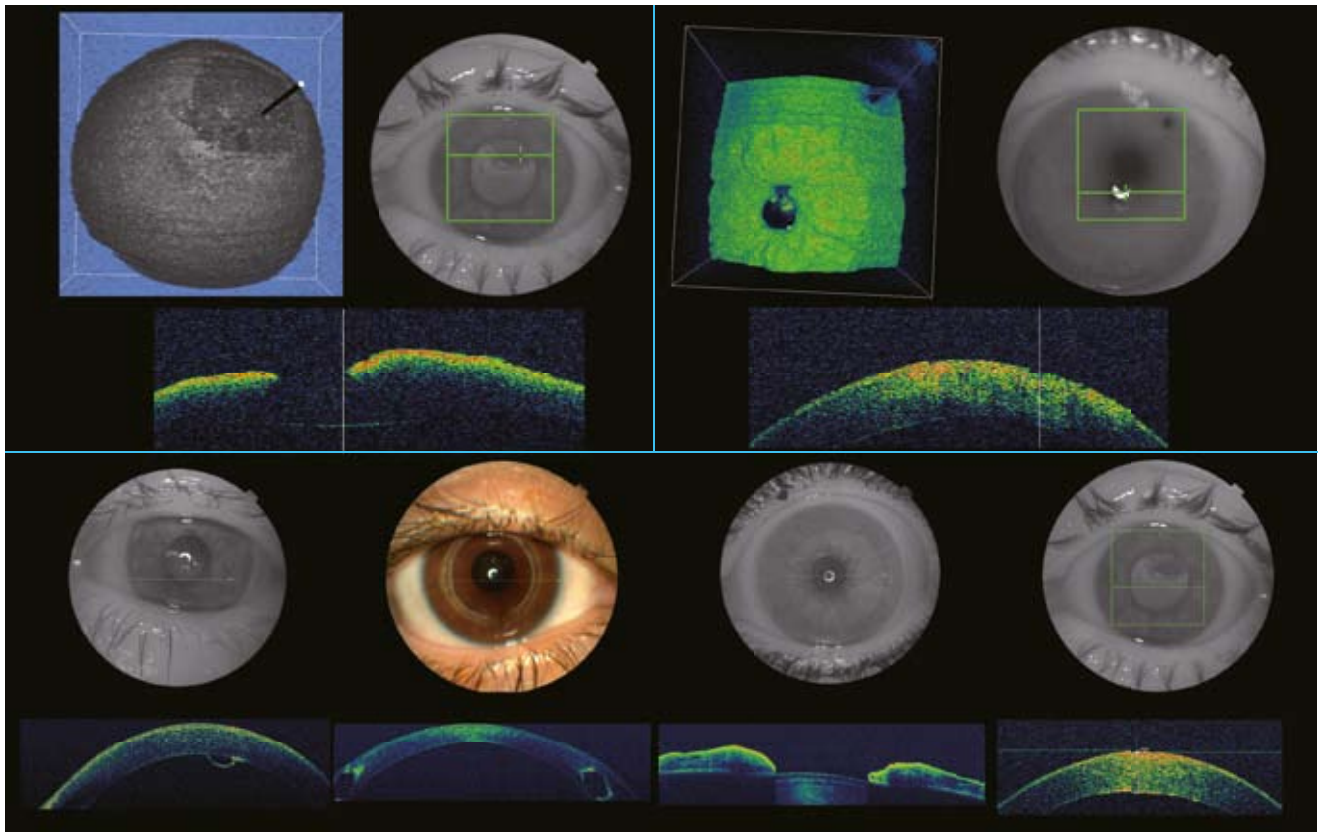
- Only line scan can support this tool.
- For printout, screen capture is available.

Scan protocols line-up for glaucoma



*More protocols available

Anterior



Courtesy of Dr. Frederique Matonti

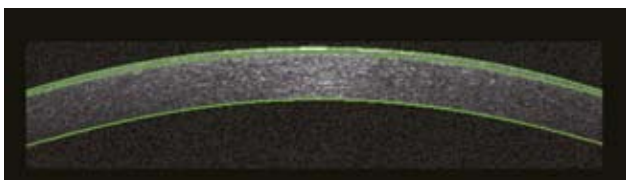
■ Get Quickly, Non-contact, High-resolution Anterior Image

Topcon 3D OCT-2000 not only gives you the posterior but also an anterior image, unmasking the precise shape and curvature of the cornea. Combined with rich analysis modules, you can easily detect any corneal disorders, such as corneal trauma, ulcer, astigmatism the rich analysis module is also good for pre and post refractive surgery observation. Enjoy increased clinical efficiency with the enhanced Topcon 3D OCT.

Scan protocols

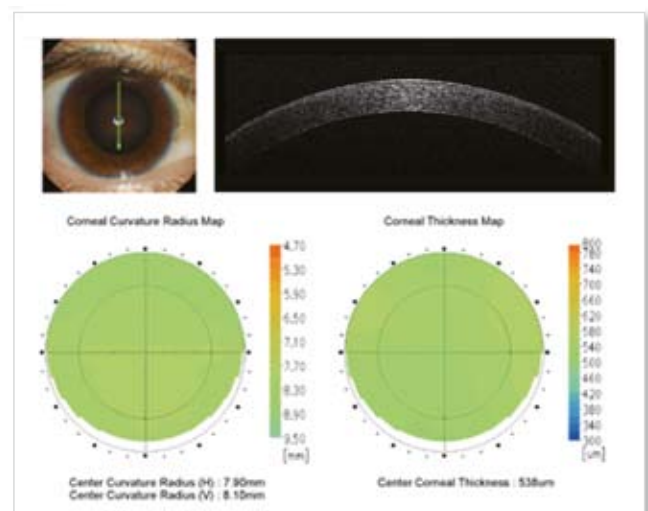
Optimal selection of scan protocol is available for anterior segment observation.

Line (H&V, 1024), 12 Radial (1024 A Line) , 3D (3×3mm, 256×256 & 6×6mm, 512×128)



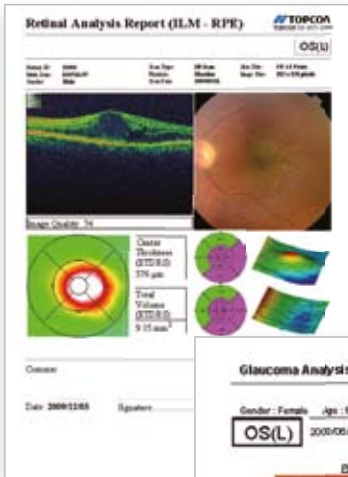
Variable analysis functions

- Manual caliper function
- Automatic segmentation of corneal epithelium
- Automatic measurement of corneal thickness and epithelium thickness
- Automatic corneal curvature radius measurement

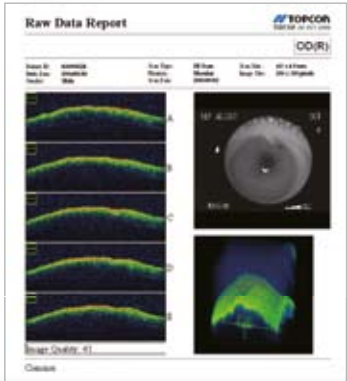


Report sample

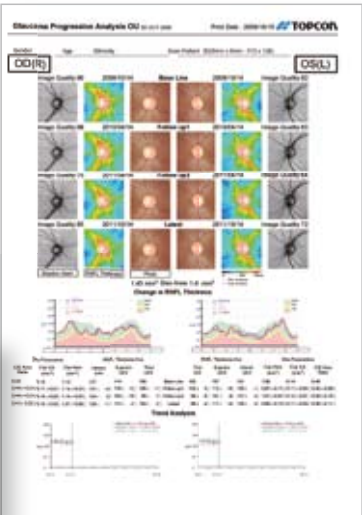
Macula 3D Report



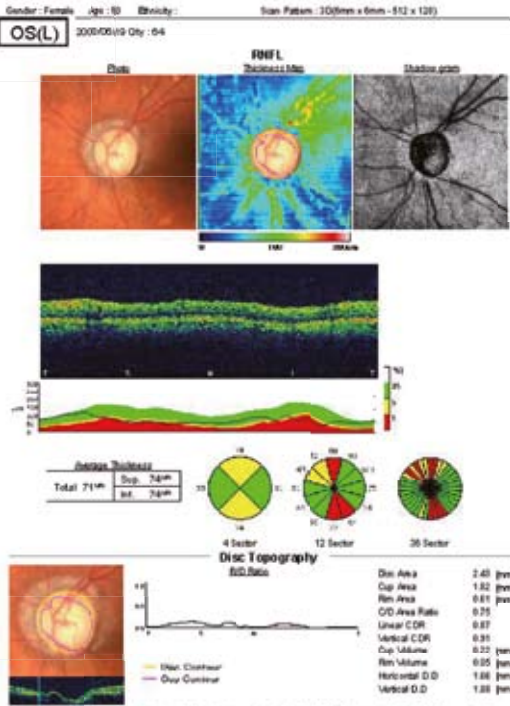
Cornea 3D Report



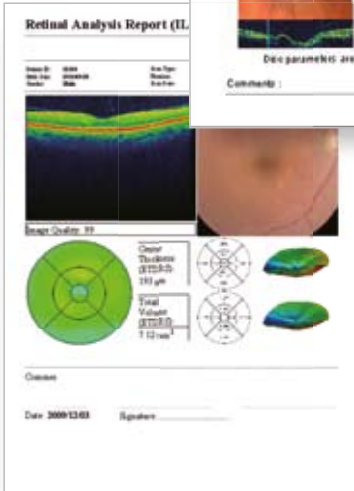
Glaucoma RNFL Trend Analysis Report



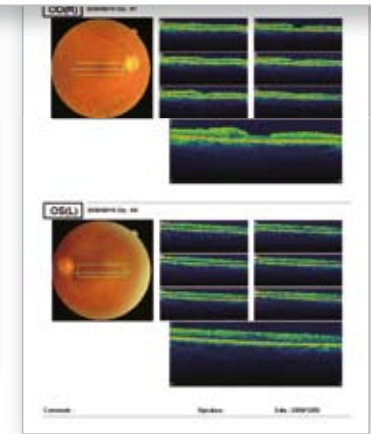
Glaucoma Analysis w/ Disc Topography



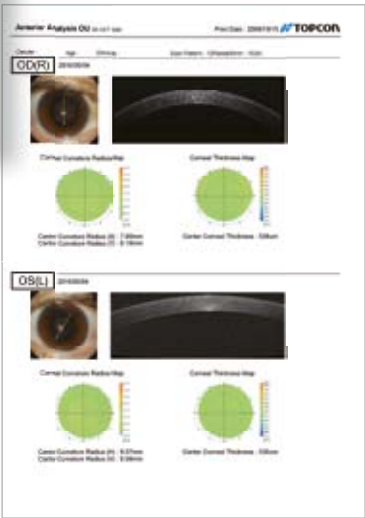
Glaucoma 3D Report



Macula Radial Report



Macula 7 Line Raster Report



Cornea Radial Report

Easy operation

■ User Friendly Operation

With the combined multiple auto functions, no extra training is required to use OCT-2000. Images can be captured easily, accurately and immediately.



Easy capturing

Intuitive scan protocol selection with auto functionality will increase workflow. You will be assisted with Auto Focus / Auto Shoot for retinal camera and Auto Focus / Auto Z&Z Lock / Auto Polarisation when shooting OCT.



Easy to use touch-screen panel

8.4" integrated touch screen LCD control panel for easy operation.

Less eye movement when picturing, since you can both navigate and picture by one screen without seeing the PC monitor every time.

More stylish with spectrometer inside the body with a compact footprint.

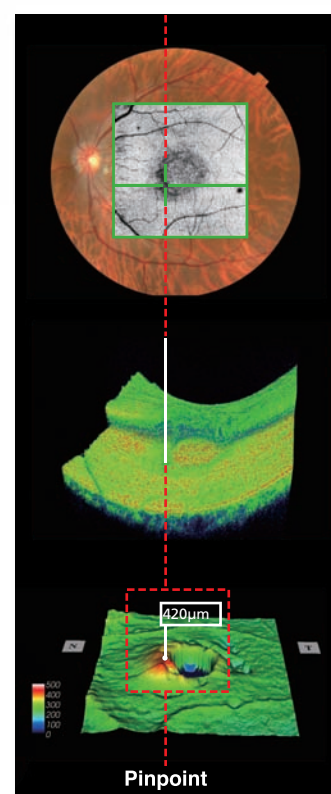


Reliable data

■ OCT Could Influence Clinical Decision Making

Topcon's high-tech analysis and high definition OCT automates the diagnosis procedure.

- Simultaneous dynamic viewing of OCT, colour fundus / anterior image can enhance your diagnostic skills.
- Pinpoint registration of serial images allows for detailed analysis of serial exams, beneficial in evaluating pre-and-post operation.
- Having trouble with presentations? FastMap™ can quickly and easily create 3D and 2D videos, offering you an outstanding performance at general meetings or even at an academic field.
- Historic patient data from Stratus OCT can be easily imported, analysed and viewed.
- Seamless integration with IMAGEnet™ management system.

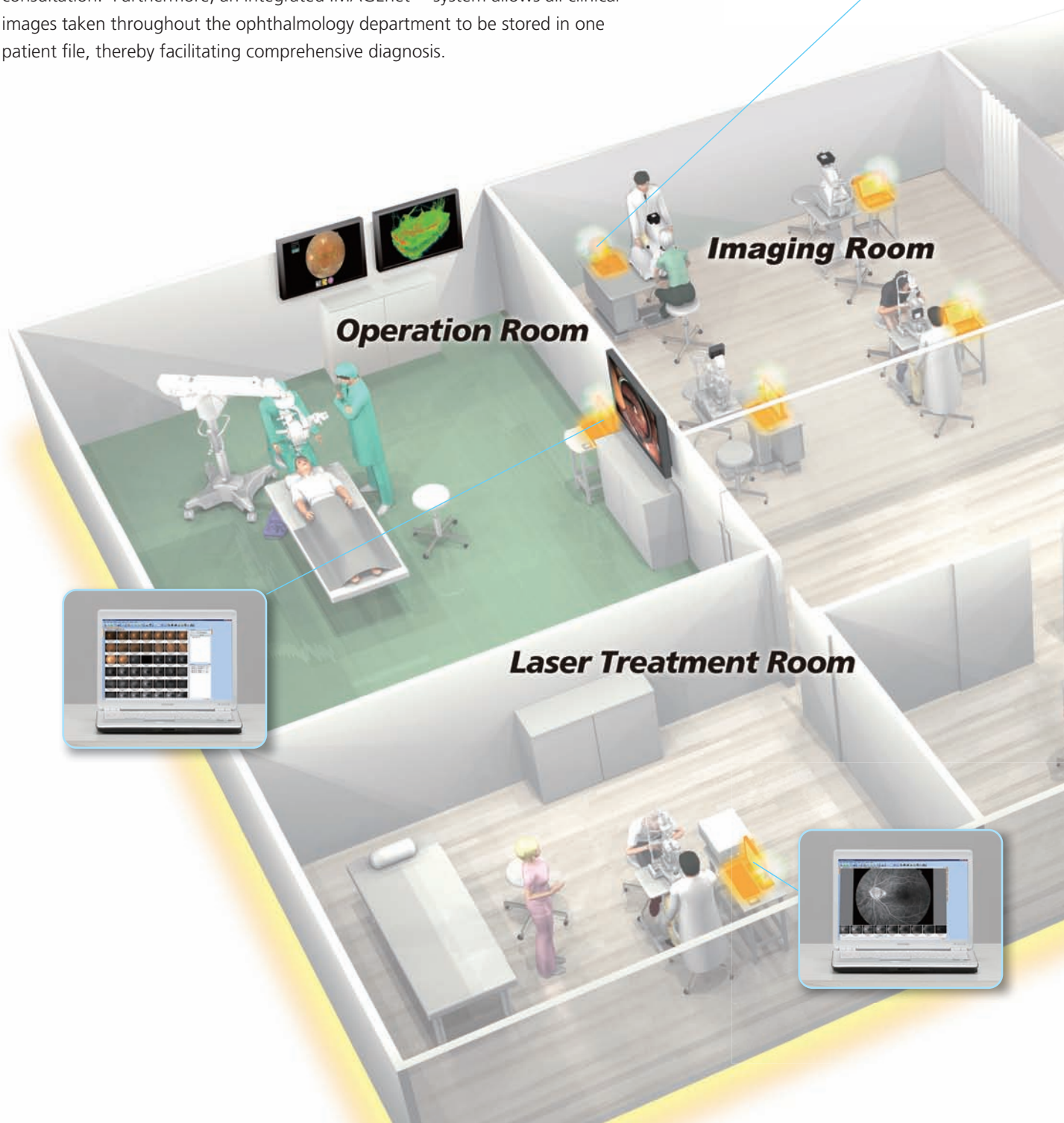
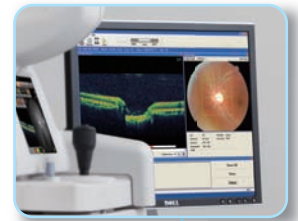


Network

3D OCT-2000 in hospital network

Topcon 3D OCT-2000 and its viewing software plays a powerful role not only in clinical illustration, but also clinical evaluation. The unique software enables all patient imaging and data to be collated, saved and reviewed remotely through one unified network, IMAGEnet™.

OCT images can be viewed and analysed easily through the network at any location; medical meetings, surgical simulation in the operating room and patient consultation. Furthermore, an integrated IMAGEnet™ system allows all clinical images taken throughout the ophthalmology department to be stored in one patient file, thereby facilitating comprehensive diagnosis.





Specifications

Observation & Photographing of Fundus		
Picture Angle		45°
Operating Distance		40.7mm (in fundus photography) 63.7mm (in anterior segment photography)*
Photographable Diameter of Pupil		
Retinal Camera		45°:ø4.0 mm or more Small pupil diameter:ø3.3mm or more
Optical Coherence Tomography		ø2.5mm or more
Observation & Photographing of Fundus / Anterior Segment Tomogram		
Scan Patterns (Recommended) **	Macular: 3D Scan	512×128 (128 horizontal scan lines comprised of 512 A-scans), 6×6mm
	Macular: Radial Scan	1024×6 or 12 (6 or 12 radial scan lines comprised of 1024 A-scans), 6mm
	Disc: 3D Scan	512×128 (128 horizontal scan lines comprised of 512 A-scans), 6×6mm
	Disc: Circle Scan	ø3.4mm, 1024 A-scans
	7 Line Raster	4096 A-scans per B-scan, 6mm
Scan Speed		27,000 A-scans per second
Scanning Range (On Fundus)		8.2×3mm, 6×6mm, 4.5×4.5mm, 3×3mm
(On Cornea)*		6×6mm, 3×3mm
Lateral Resolution		≤20μm
In-depth Resolution		5 μm~6 μm
Observation & Photographing of Fundus Image / Fundus Tomogram		
Internal Fixation Target		Matrix LCD (The display position can be changed and adjusted. The presenting method can be changed.)
Power Source / Supply		
Power Source		Voltage: 100/110/120/220/230/240V
		Frequency: 50-60Hz
Power Supply		200VA (max 400VA)
Dimensions / Weight		
Dimensions		W545mm × D535mm × H600-630mm
Weight		35kg

*With anterior segment attachment .

**More variable scan patterns available with a combination of different pixel and scan range.

*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.

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