

Optical Coherence Tomography

3D OCT-1 MAESTRO



THE OCT WORLD AT YOUR FINGERTIPS

3D OCT-1 MAESTRO

- » 50,000 A Scan/sec SD OCT with color fundus camera
- » Auto alignment, focus and capture of OCT and color fundus photo
- » Space saving compact instrument design
- » 12 mm x 9 mm OCT scan provides measurement and topography of optic nerve and macula in one scan



3D OCT-1 MAESTRO

Operation with only **one finger**

simple & fast



Register patient.



1. Select the capture icon.

Operation from **any position**

flexible



Operating the instrument from the side

From the **side**

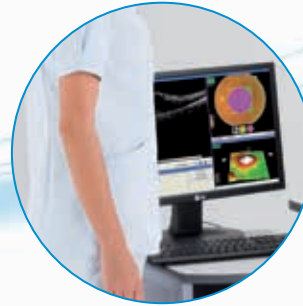
From the **back**



3D OCT-1 MAESTRO



2. Adjust the chin-rest and touch the "Capture" button. The whole measurement is done automatically.



3. The result is displayed on the PC screen.



Stereo-matching automatic alignment™

The new unique alignment method developed by Topcon is applied in the 3D OCT-1 Maestro making the alignment process smoother than ever before.

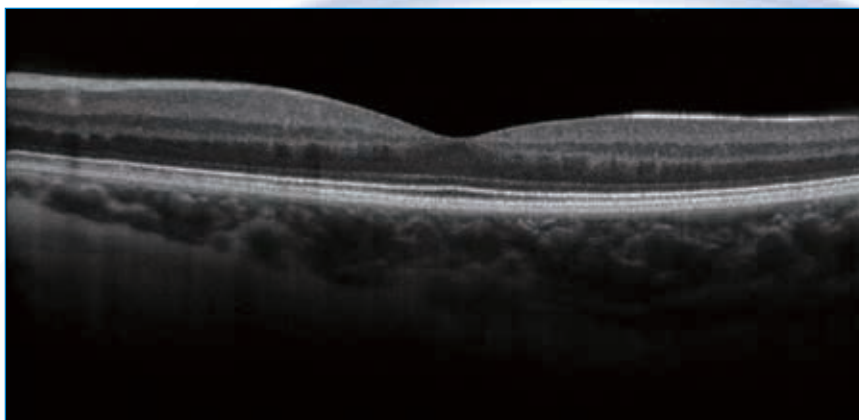


Auto focus & Auto shoot

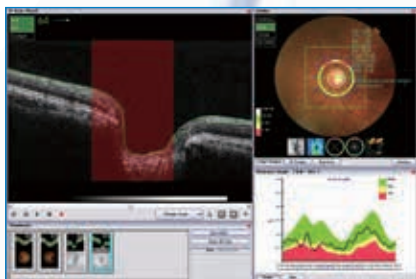
Due to the functions of Auto focus & Auto shoot, the whole measurement from focusing to capturing is done automatically once the "Capture" button is touched.

Operating the instrument while supporting the patient from the back

3D OCT-1 MAESTRO



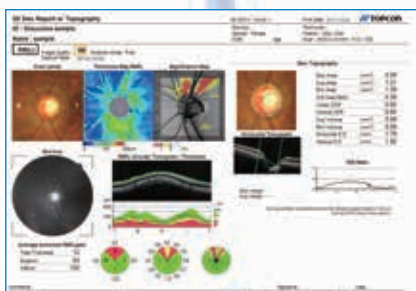
Line1024, Overlap 32



Optic Nerve Head Analysis

High definition B-scan image

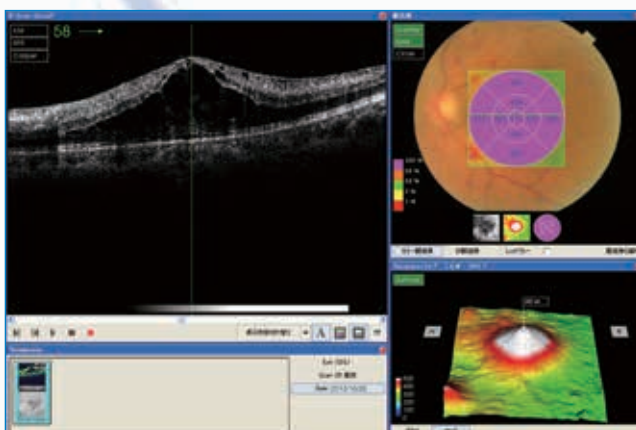
A clear B-scan image is acquired with a high speed of 50,000 A-scan/sec and by the simplest operation ever.



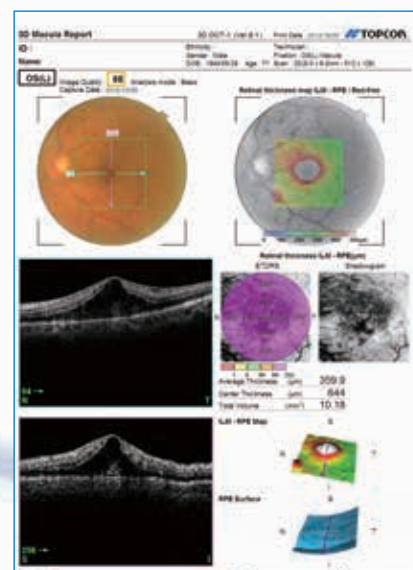
Report of Optic Nerve Head Analysis

Various analysis functions

The instrument allows for rich analysis functions such as optic disc analysis, 3D macula analysis, 12mm 3D wide scan and others.



3D Macula Analysis



Report of 3D Macula Analysis

3D OCT-1 MAESTRO



Color

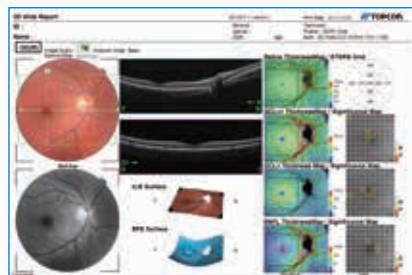


RedFree (Digital Red-free)

Fundus photography

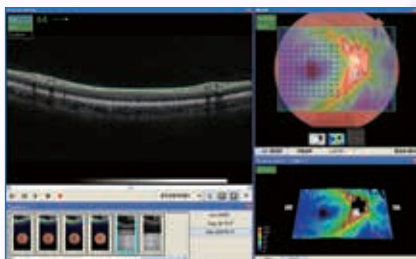
The 3D OCT-1 Maestro incorporates not only OCT technology but also a fundus photography function, which contributes to substantial space savings.

OCT Technology + Fundus camera +
Rich analysis functions



Report of 12mm 3D wide Scan

informative



12mm 3D wide Scan

Specifications

Observation & photography of fundus image	
Scan mode	Color, red-free*
Picture angle	45°/30° or equivalent (digital zoom)
Operating distance	34.8mm (in fundus photography)
Photographable	45°: ϕ 4.0mm or more
Diameter of pupil	Small pupil diameter: ϕ 3.3mm or more
Fundus image resolution (on fundus)	Center : 60 lines/mm or more Middle (r/2) : 40 lines/mm or more Middle (r) : 25 lines/mm or more
Scan range	Horizontal direction 3 - 12mm
Scan speed (on fundus)	Vertical direction 3 - 9mm Horizontal direction 3 - 6mm
(on cornea)	Vertical direction 3 - 6mm 50,000 A-Scans per second
Lateral resolution	20 μ m
In-depth resolution	6 μ m
Photographable diameter of pupil	ϕ 2.5mm or more
Observation & photography of fundus image/fundus tomogram	
Internal fixation target	Dot matrix type organic EL (The display position can be changed and adjusted. The presenting method can be changed.)
Electric rating	
Source voltage	AC 100-240V
Power input	70-150VA
Frequency	50Hz-60Hz
Dimensions and weight	
Dimensions	307-442mm (W) \times 472-668mm (D) \times 518-722mm (H)
Weight	21kg

System Chart



Class of laser product :
Class 1 (IEC60825-1:2001)



IMPORTANT

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

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

Topcon Europe Medical B.V.
Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O. Box 145;
2900 AC Capelle a/d IJssel; The Netherlands
Phone: +31-(0)10-4585077; Fax: +31-(0)10-4585045
E-mail: medical@topcon.eu; www.topcon-medical.eu

Topcon Danmark
Praestemarksvej 25; 4000 Roskilde, Danmark
Phone: +45-46-327500; Fax: +45-46-327555
E-mail: info@topcondanmark.dk
www.topcondanmark.dk

Topcon Scandinavia A.B.
Neogatatan 2; P.O. Box 25; 43151 Mölndal, Sweden
Phone: +46-(0)31-7109200; Fax: +46-(0)31-7109249
E-mail: medical@topcon.se; www.topcon.se

Topcon España S.A.
HEAD OFFICE; Frederic Mompou, 4;
08960 Sant Just Desvern; Barcelona, Spain
Phone: +34-93-4734057; Fax: +34-93-4733932
E-mail: medica@topcon.es; www.topcon.es

Topcon Italy
Viale dell' Industria 60;
20037 Paderno Dugnano, (MI) Italy
Phone: +39-02-9186671; Fax: +39-02-91081091
E-mail: info@topcon.it; www.topcon.it

Topcon France
BAT A1; 3 route de la révolte, 93206 Saint Denis Cedex
Phone: +33-(0)1-49212323; Fax: +33-(0)1-49212324
E-mail: topcon@topcon.fr; www.topcon.fr

Topcon Deutschland GmbH
Hanns-Martin-Schleyer Strasse 41;
D-47877 Willich, Germany
Phone: (+49) 2154-885-0; Fax: (+49) 2154-885-177
E-mail: med@topcon.de; www.topcon.de

Topcon Polska Sp. z o.o.
ul. Warszawska 23; 42-470 Siewierz; Poland
Phone: +48-(0)32-670-50-45; Fax: +48-(0)32-671-34-05
www.topcon-polska.pl

Topcon (Great Britain) Ltd.
Topcon House; Kennet Side; Bone Lane; Newbury
Berkshire RG14 5PX; United Kingdom
Phone: +44-(0)1635-551120; Fax: +44-(0)1635-551170
E-mail: medical@topcon.co.uk; www.topcon.co.uk

Topcon Ireland
Unit 276, Blanchardstown; Corporate Park 2
Ballycoolin; Dublin 15, Ireland
Phone: +353-18975900; Fax: +353-18293915
E-mail: medical@topcon.ie; www.topcon.ie