

Maestro2

3D OCT-1 Optical Coherence Tomography



Fully Automated
OCT & True Color
Fundus Camera,
Now with OCTA!

The Fully Automated, Fully Loaded, **OCT Angiography Device**

With the Maestro2, you have fast, multi-modality OCT/Fundus imaging, advanced data management and OCTA. The complete clinical workstation for any busy practice.

Introducing fully automated OCT, true color* fundus photography and automated OCT Angiography in one compact instrument. With the press of a button, OCTA will provide you instantaneous vascular structure information - from our world-renowned multi-modal OCT solution.

*True/full color fundus image, white light, 24-Bit color.

FEATURES:

- Combination OCT and true color fundus
- Fully automated OCTA capture
- Spectral Domain OCT
- 840nm Wavelength Light
- Compact and space saving design
- The **NEW Hood Report for Glaucoma**
- Reference database for retina, RNFL, GCL+, and GCL++ thickness
- Automatic layer segmentation
- Widefield OCT
- Anterior segment OCT
- Panoramic fundus imaging

The Maestro2

is a most user-friendly OCT. With one touch of the screen, auto alignment, auto focus and auto capture is activated.

FULL-AUTO CAPTURING

With a single touch, the Maestro2 automatically performs alignment, focus, optimizing and capturing. After capturing, the report can be immediately displayed by clicking on the icon.

MANUAL/SEMI-AUTO CAPTURING

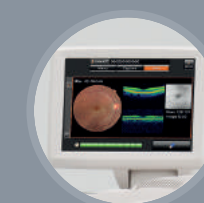
In addition to automated capture, the Maestro2 offers manual/semi-manual options for difficult-to-image patients.



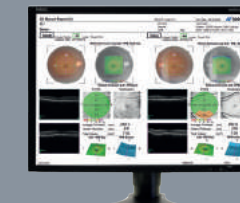
Select a capture icon



Adjust the chinrest position and touch [Start CAPTURE]



Instant results are displayed



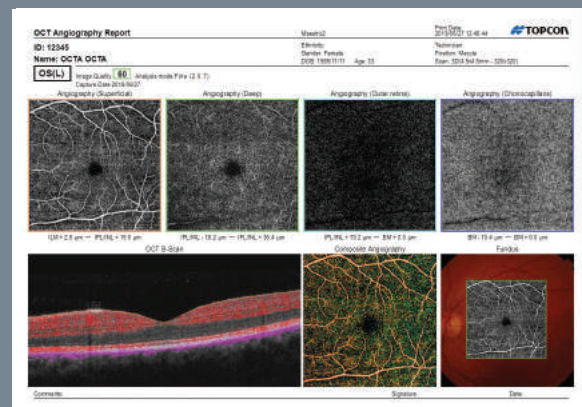
Report can be displayed immediately

Maestro2 Now Featuring **OCT Angiography**



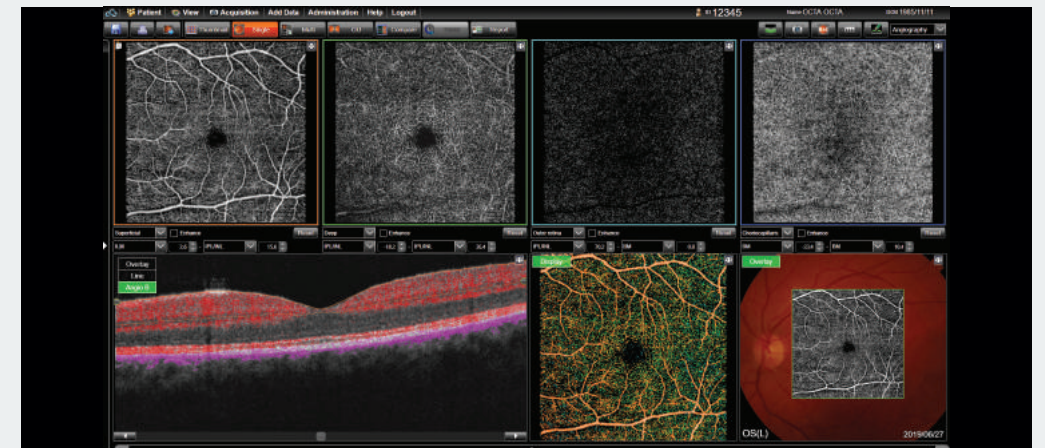
Introducing fully automated OCT Angiography*

At the touch of a button, the Maestro2 provides instantaneous vascular structure information in an easy to interpret simple format, together with comprehensive segmentation manipulation to enable advanced diagnosis.

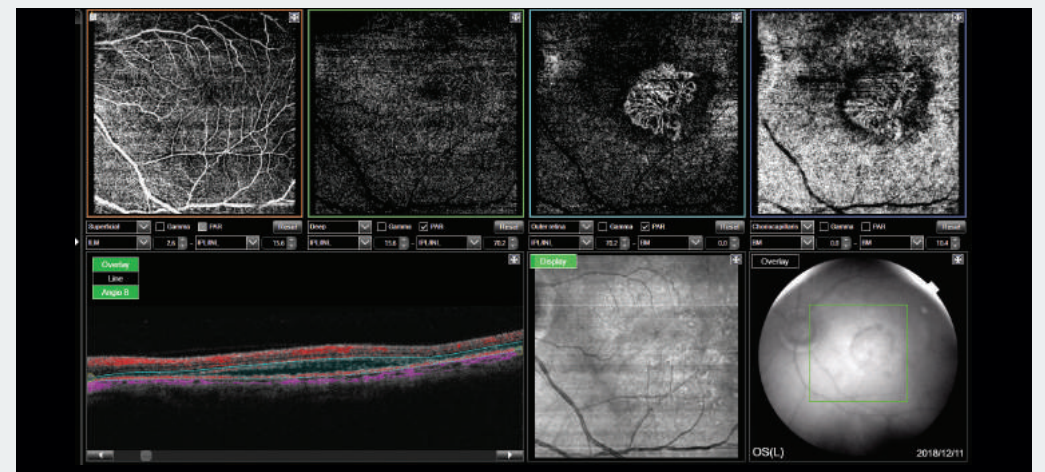


*OCT Angiography is optional

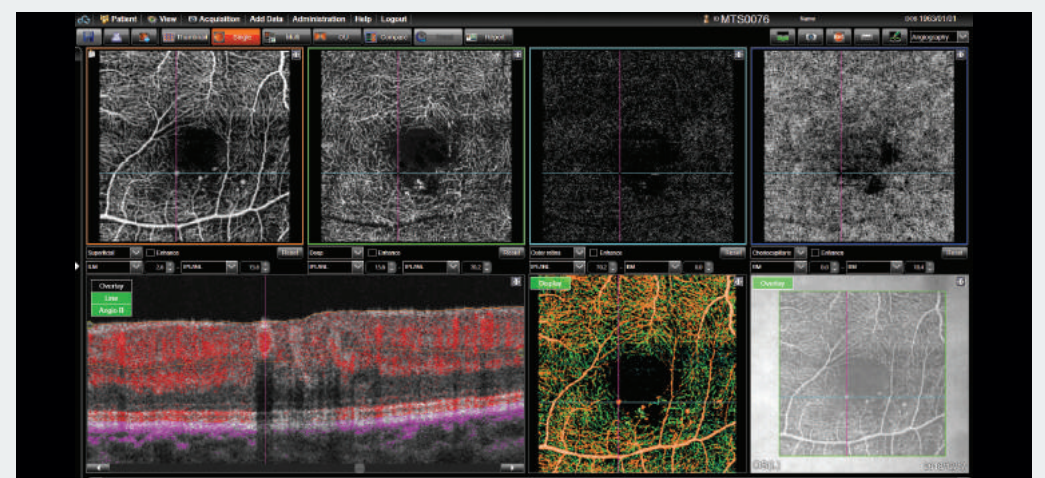
Healthy Eye OCT Angiography results



Choroidal Neovascularization (CNV) OCT Angiography results



Diabetic Retinopathy (DR) PinPoint Registration of microaneurysms results

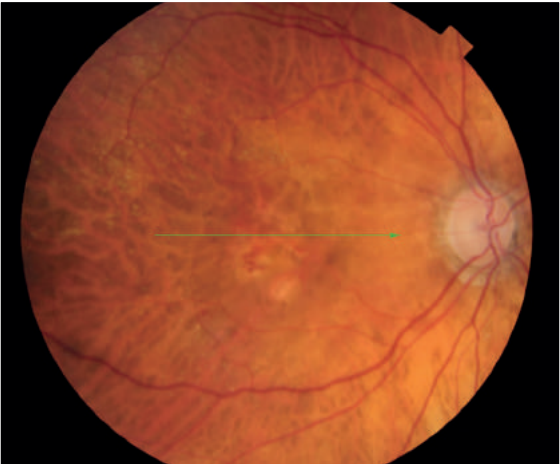


Efficient Diagnostic Workflow

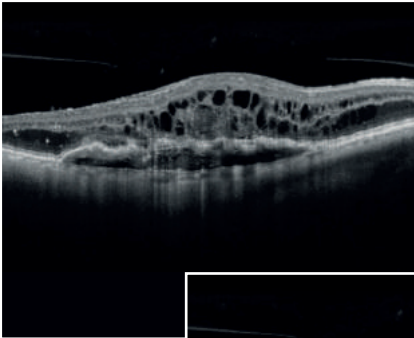


FOLLOW-UP SCANS

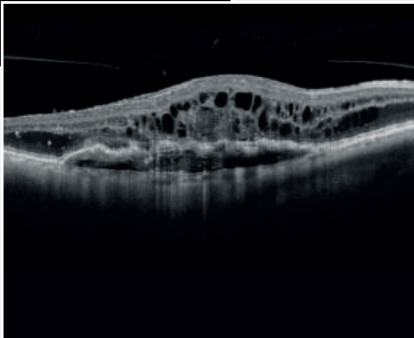
While dense data cubes provide registration between repeat volume scans of a 45 degree area using a Topcon OCT, some prefer only localized areas to be captured. For this purpose, tracking has been introduced to the Maestro2 to facilitate repeat localized follow-up.



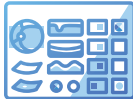
Single line, radial or 5 line cross scans can repeat scan the exact same area using Follow-up mode.



First visit

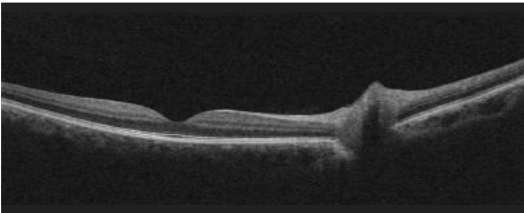
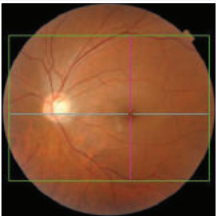
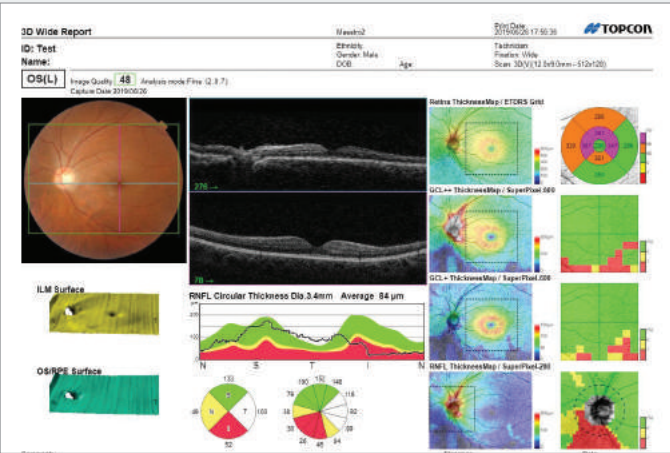


Follow up visit



WIDEFIELD OCT SCAN

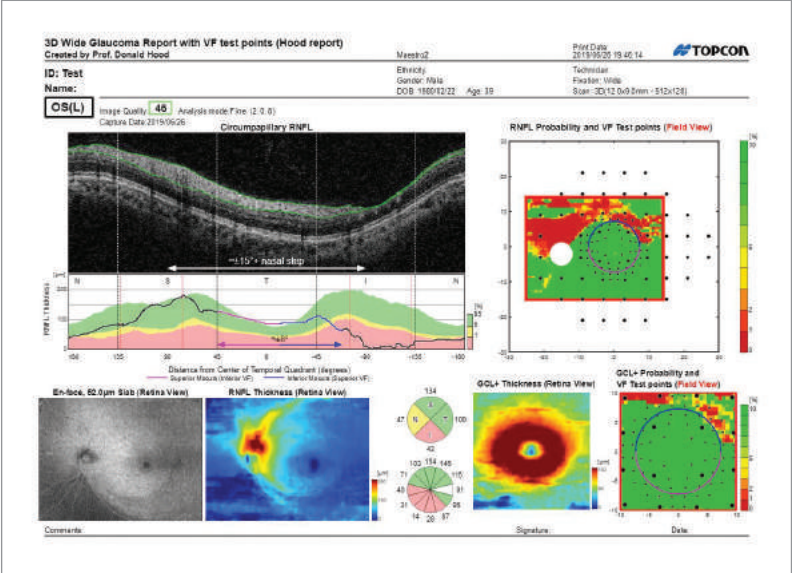
The Maestro2 can capture a 12mm x 9mm widefield OCT scan, encompassing both the macula and disc. Ideal for an annual eye exam, this scan reduces patient testing time. It provides thickness and reference data for the retina, RNFL, GCL+, and GCL++ together with Disc topography including automated LCDR values.



THE HOOD REPORT FOR GLAUCOMA AND PROBABILITY MAPS

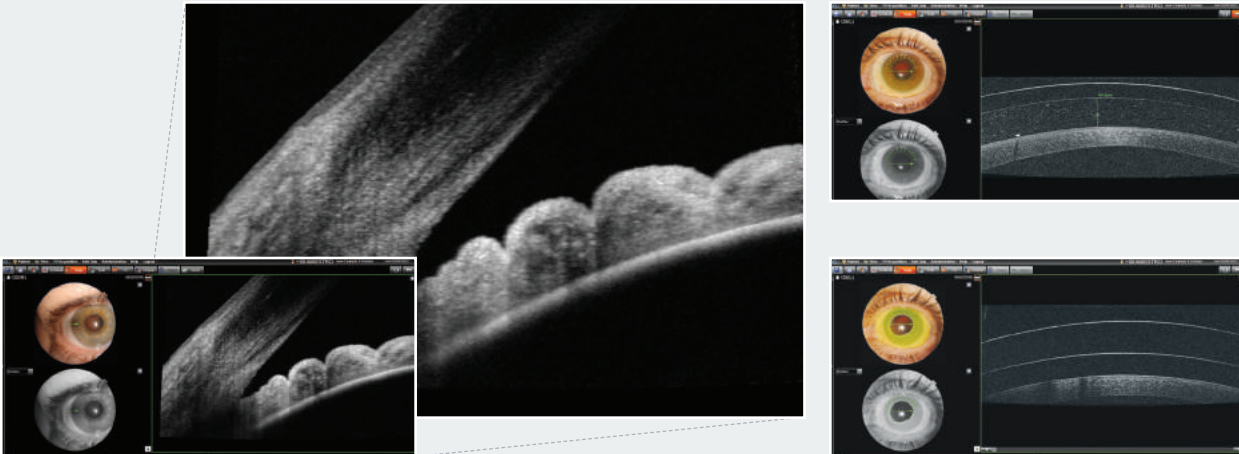
with 3D Wide 12x9mm Scan

Retinal Thickness/RNFL/GCL and Optic Nerve Metrics in just one fast scan. The **New Hood Glaucoma Report** is now available. This innovative report simplifies and accelerates the decision-making process through the correlation of structure (GCC/RNFL) with function (overlay of Visual Field test locations).



ANTERIOR SEGMENT CALIPER/ANGLE ANALYSIS

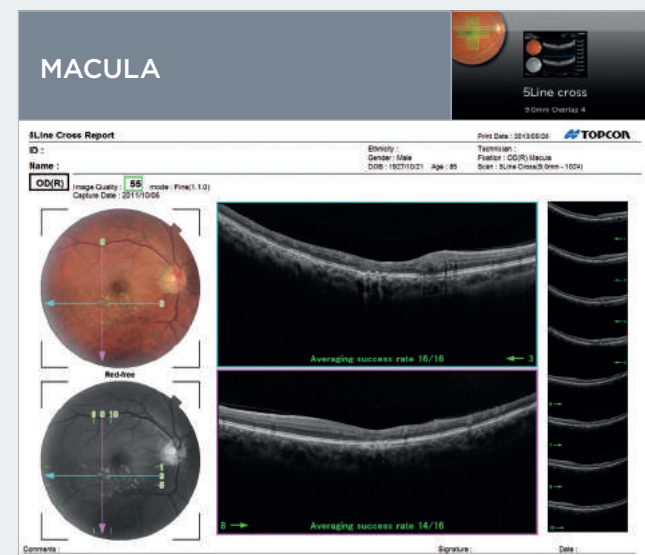
The Maestro2 has the added advantage of Anterior OCT scanning capability, without the need for an additional expensive/delicate lens. By simply adding the anterior headrest support, the Maestro2 is able to capture corneal and chamber angle scans together with the ability to make corneal thickness and angle measurements using the integrated caliper tools. Dry eye tear meniscus can also be visualized/measured together.



Extensive Set of Reports: Guidance for Diagnosis

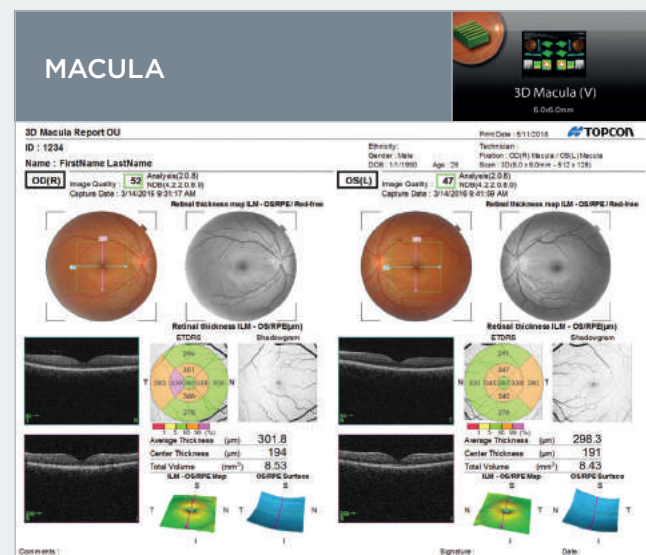
EXTENSIVE SET OF REPORTS

The Maestro2 provides rich analysis functions for the Macula and Glaucoma. Comprehensive, predefined reports can be quickly printed or sent to your image management system.



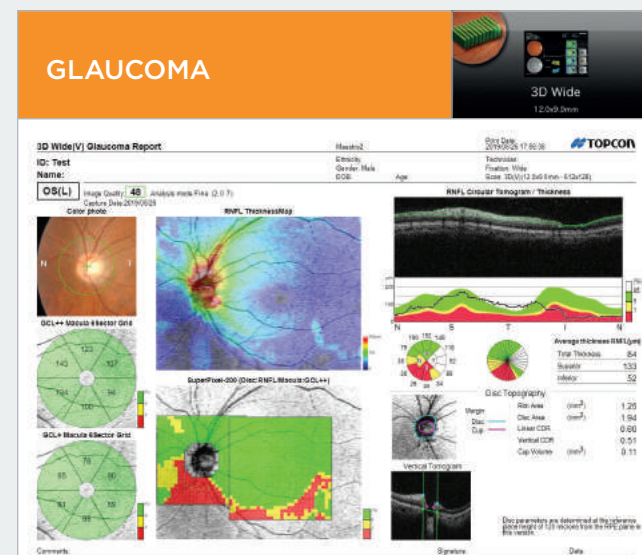
5 LINE CROSS SCAN

5 line cross scan (6mm, 9mm) both horizontal and vertical in an instant.



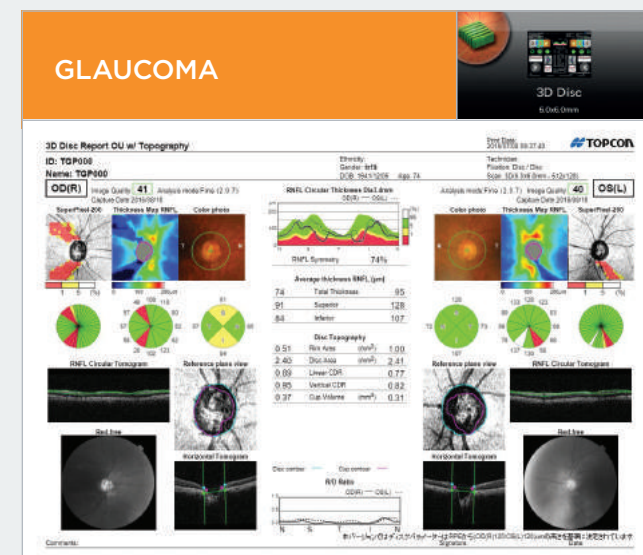
3D MACULA ANALYSIS

3D imaging is a useful tool to understand the whole and precise form of the fovea. 3D scan is available in 6 x 6mm area scans. Retinal thickness map and reference database are included in this report.



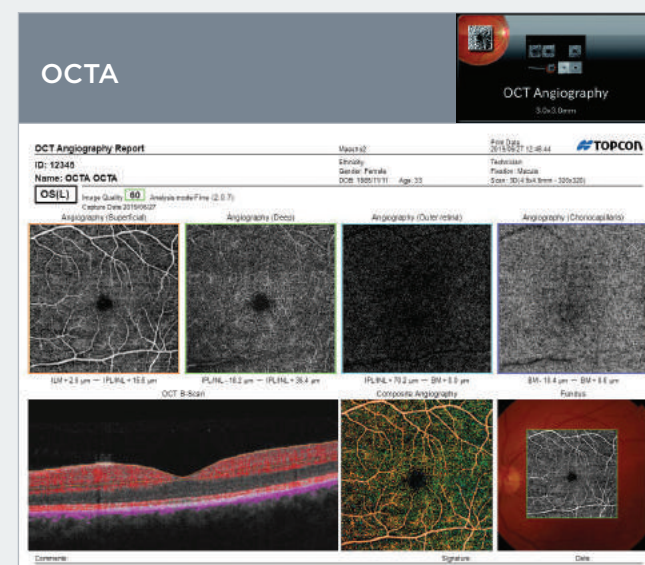
3D WIDE SCAN (12mm x 9mm)

This scan provides images of the macula and optic nerve in one report, providing retina, RNFL, and GCL analysis. Reference database of the RNFL, GCL+, GCL++, and total retina are automatically generated.



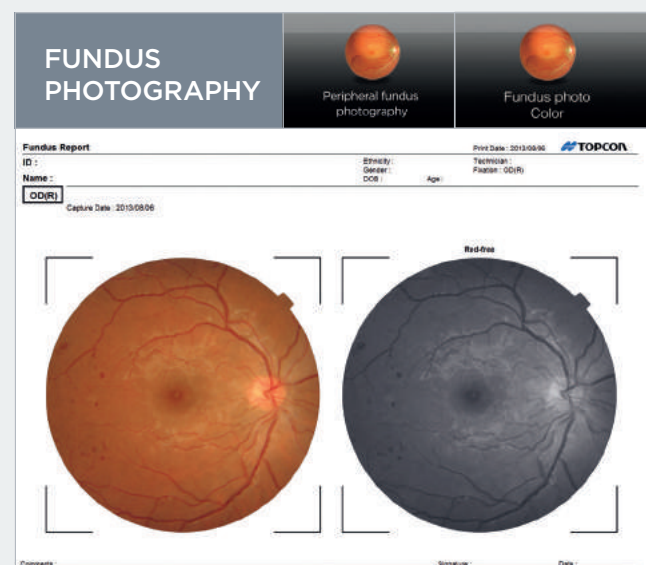
3D DISC ANALYSIS

Combines disc topography, fundus photography, various peripapillary parameters and RNFL thickness measurements. The reference database for RNFL and disc parameters is also incorporated.



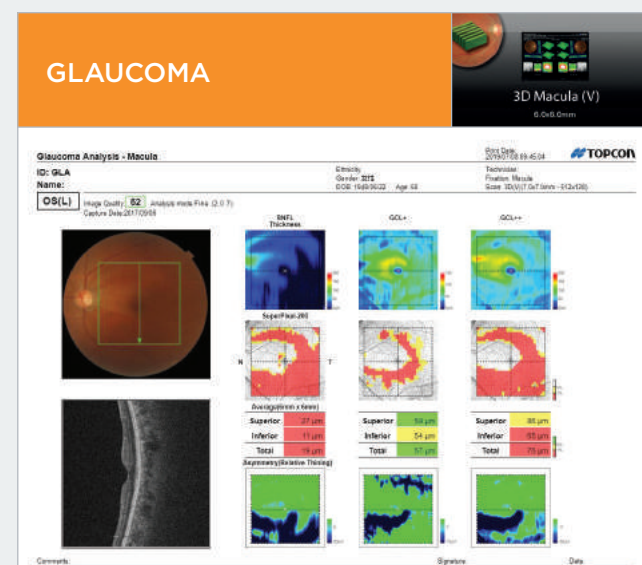
OCT ANGIOGRAPHY

Various OCTA scan protocols are available; 3x3mm, 4.5x4.5mm and 6x6mm. This scalable report provides a clear OCTA overview.



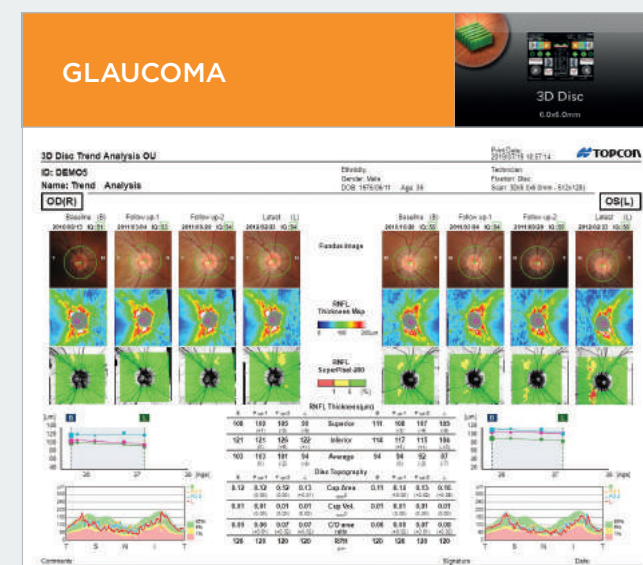
COLOR FUNDUS PHOTOGRAPHY/ PERIPHERAL FUNDUS PHOTOGRAPHY

Non mydriatic color fundus photography and peripheral fundus photography comes standard with the Maestro2.



3D MACULA GCL ANALYSIS

Using the 3D macula scan, GCL analysis is also available. Reference database for GCL+ and GCL++ is incorporated into the report as well as symmetry analysis.



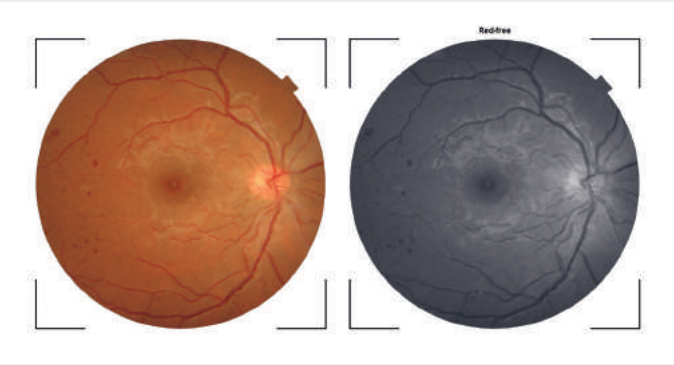
TREND ANALYSIS (RNFL)

Baseline and up to three most recent visits can be compared and analyzed over time. Trends of disc parameters and reference database are also provided.

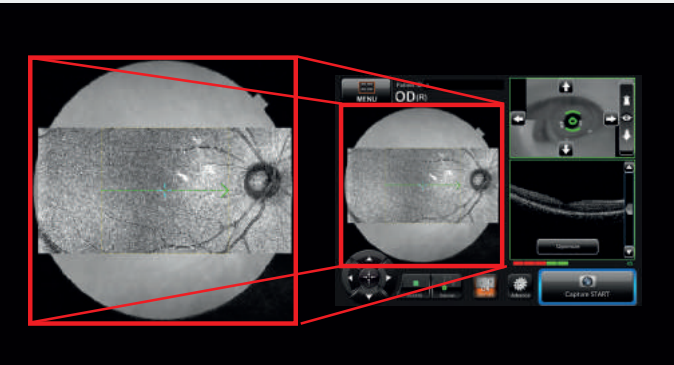
High Resolution OCT and True Color Fundus Images

TRUE COLOR* FUNDUS PHOTOGRAPHY
The Maestro2 has an integrated full-color fundus camera. With one touch, you can simultaneously acquire a posterior OCT image and a true color fundus image. This allows PinPoint Registration and structural confirmation of the pathology. Small pupil function is also available, as well as fundus only capture.

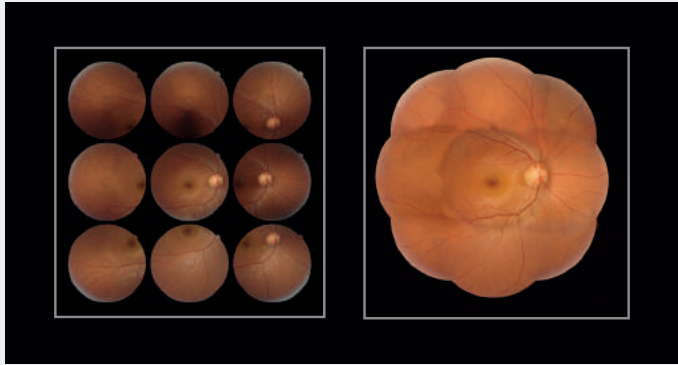
*True/full color fundus image, white light, 24-Bit color.



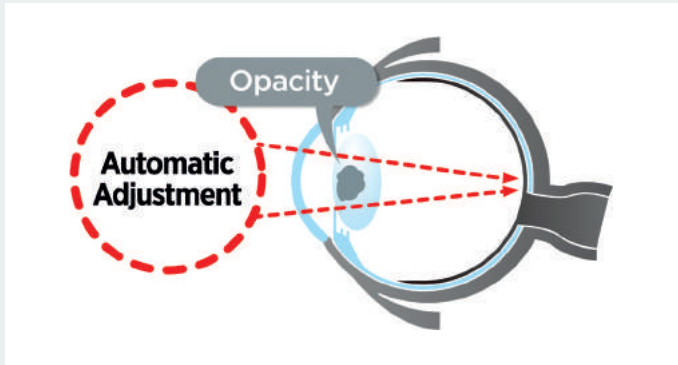
LIVE FUNDUS VIEW™
OCT-LFV is a live projection image of the retina. The clear live fundus image makes the disc, retinal vessels and scanning position easy to see, when required.



PERIPHERAL FUNDUS PHOTOGRAPHY
The Maestro2 allows the operator to automatically select 9 standard fields or manually manipulate the patient's fixation to create a mosaic image with the AutoMosaic software.

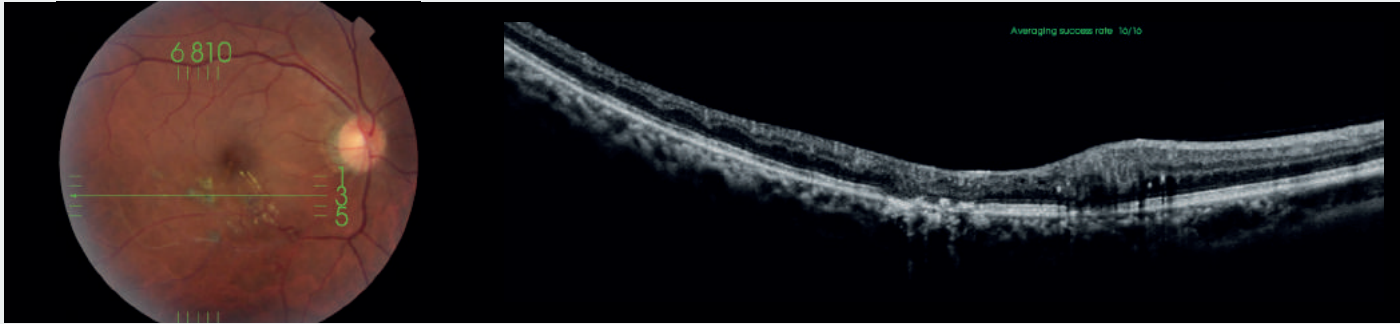


CATARACT MODE
Cataract mode automatically moves the scanning position on the upper/lower area to adjust for opacity in the eye due to cataract.

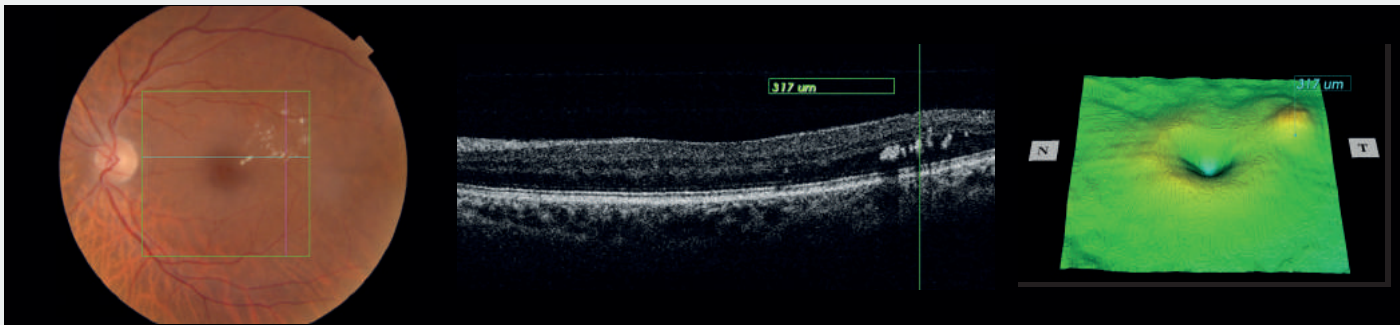


HIGH RESOLUTION OCT AND COLOR FUNDUS PHOTOGRAPHY
A high-resolution B-scan and smooth 3D graphics facilitate the observation of pathology and each layer of the retina. High-quality color fundus photography gives fundamental and additional information. The OCT and color fundus are an inseparable combination for daily diagnosis.

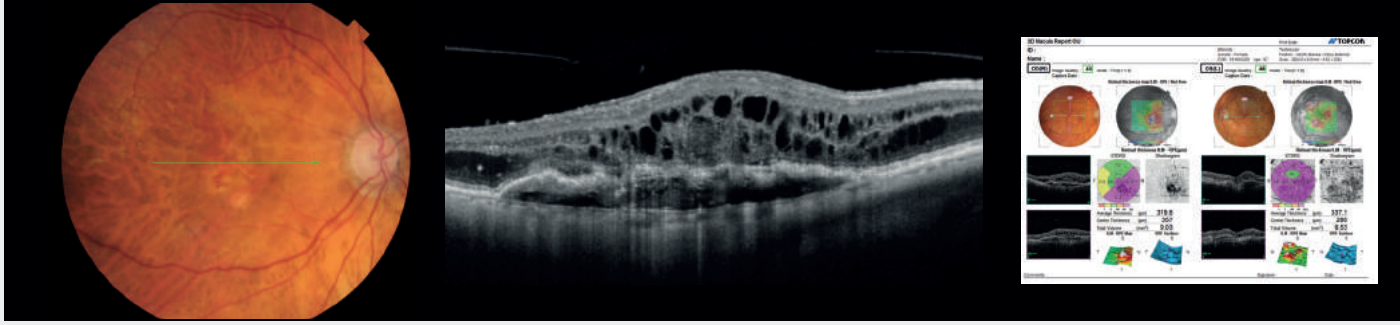
85-years old, male, OD, Branch Retinal Vein Occlusion (BRVO)



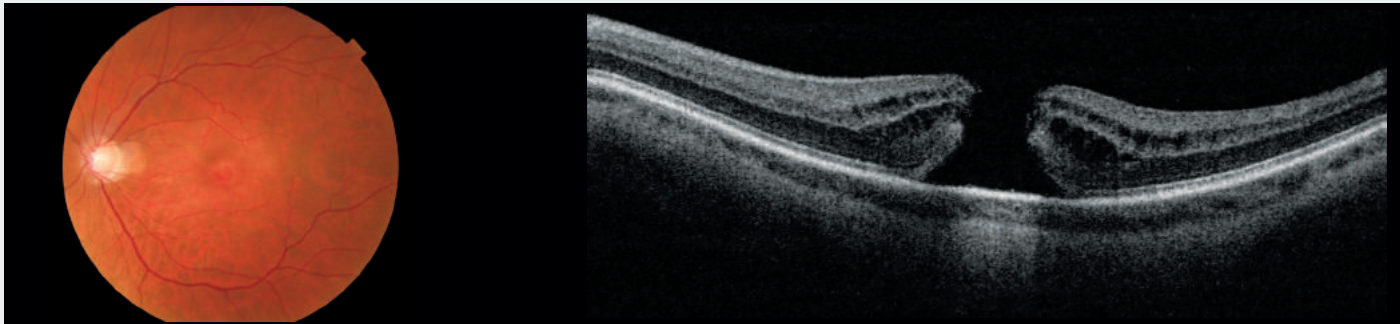
62-years old, male, OS, Diabetic Retinopathy (DR) and circinate exudate



97-years old, female OD, Age-Related Macular Degeneration (AMD)



66-years old, male OS, macular hole (full thickness)



Specifications

ITEM	SPECIFICATIONS
Observation & photographing of the fundus	
Type of photography	Color, Red-free ^(Note 1) & IR ^(Note 3)
Picture angle for photography	45° ± 5% or less 30° or equivalent (digital zoom)
Operating distance	34.8 ± 0.1mm (when taking a picture of fundus)
Photographable diameter of pupil	Normal pupil diameter: ø4.0mm or more Small pupil diameter: ø3.3mm 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 IR photography : Center: 5 lines/mm or more ^(Note 3)
Observation & photographing of the fundus tomogram	
Scan range (on fundus) Horizontal direction	3 - 12mm ± 5% or less
Vertical direction	3 - 9mm ± 5% or less
Scan pattern	3D scan (horizontal/vertical) Linear scan (Line-scan/Cross-scan/Radial-scan)
Scan speed	50,000 A-Scans per second
Lateral resolution	20µm or less
In-depth resolution	6µm or less
Photographable diameter of pupil	ø2.5mm or more
Observation & photographing of the fundus image/fundus tomogram	
Fixation target	Internal fixation target: Dot matrix type organic EL The display position can be changed and adjusted. The displaying method can be changed. Peripheral fixation target: This is displayed according to the internal fixation target displayed position. External fixation target
Observation & photographing of anterior segment	
Type of photography	Color & IR ^(Note 3)
Operating distance	62.6 ± 0.1mm (when taking a picture of anterior segment) ^(Note 2)
Observation & photographing of the anterior segment tomogram	
Operating distance	62.6 ± 0.1mm (when taking a picture of anterior segment) ^(Note 2)
Scan range (on cornea) ^(Note 2) Horizontal direction Vertical direction	3 - 6mm ± 5% or less 3 - 6mm ± 5% or less
Scan pattern	Linear scan (Line-scan/Radial-scan)
Scan speed	50,000 A-Scans per second
Fixation target	External fixation target

ACCESSORY



The anterior segment attachment (HA-2)

Infinite Screen Positioning For Ultimate Flexibility





Maestro2

3D OCT-1 Optical Coherence Tomography

Auto Align
Auto Focus
Auto Capture



TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN. Phone: +81-(0)3-3558-2522/2502 Fax: +81-(0)3-3965-6898 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.

111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone: +1-201-599-5100 Fax: +1-201-599-5250 www.topconmedical.com

TOPCON HEALTHCARE SOLUTIONS, INC.

111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone: 1-201-599-5100 Fax: 1-201-599-5250 www.topconhealth.com

TOPCON CANADA INC.

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

TOPCON EUROPE MEDICAL B.V.

Essebaan 11, 2908 LJ Capelle a/d IJssel, P.O.Box145;
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
ITALY OFFICE
Viale dell'Industria 60, 20037 Paderno Dugnano, (Milano), ITALY
Phone: +39-02-9186671 Fax: +39-02-91081091 E-mail: info@topcon.it
www.topcon.it

DANMARK OFFICE

Praestemarksvej 25, 4000 Roskilde, DANMARK
Phone: +45-46-327500 Fax: +45-46-327555
E-mail: topcon@topcondanmark.dk www.topcondanmark.dk

IRELAND OFFICE

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

TOPCON DEUTSCHLAND MEDICAL G.M.B.H.

Hanns-Martin-Schleyer Strasse 41; D-47877 Willich, GERMANY
Phone: +49-(0)2154-8850 Fax: +49-(0)2154-885177 E-mail: med@topcon.de
www.topcon.de

TOPCON SCANDINAVIA A.B.

Neogatan 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 Esc. A Bajos 3, 08960 Sant Just Desvern Barcelona, SPAIN
Phone: +34-93-4734057 Fax: +34-93-4733932 E-mail: medica@topcon.es
www.topcon.es

TOPCON (GREAT BRITAIN) MEDICAL LTD.

Topcon House, Kennet Side, Bone Lane, Newbury, RG14 5PX U.K.
Phone: +44-1635-551120 Fax: +44-1635-551170 E-mail: medical@topcon.co.uk
www.topcon-medical.fr/fr/

TOPCON FRANCE MEDICAL S.A.S.

1 rue des Vergers, 69760 Limonest, France
Phone: +33-4-37581940 Fax: +33-4-72238660
www.topcon-medical.fr/fr/

TOPCON POLSKA SP. Z. O. O.

ul. Warszawska 23; 42-470 Siewierz, POLAND
Phone: +48-(0)32-6705045 Fax: +48-(0)32-6713405 www.topcon-polska.pl

TOPCON INSTRUMENTS (MALAYSIA) SDN. BHD.

No. D1, (Ground Floor), Jalan Excella 2, Off Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone: +60-(0)3-42709866 Fax: +60-(0)3-42709766

TOPCON INSTRUMENTS (THAILAND) CO., LTD.

77/162 Sinnsathorn Tower, 37th Floor, Krungthoriburi Rd., Klongtongnai,
Klongsarn, Bangkok 10600, THAILAND
Phone: +66(0)2-440-1152-7 Fax: +66-(0)2-440-1158

MEHRA EYETECH PRIVATE LIMITED

801 B Wing, Lotus Compound Park, Graham Firth Steel Compound Goregaon (East)
Mumbai 400063 Maharashtra, INDIA
Phone: +91-22-61285455 www.mehraeyetech.in

TOPCON (BEIJING) MEDICAL TECHNOLOGY CO., LTD.

Room 2808, Tower C, JinChangAn Building, No.82, Middle Section of East 4th Ring
Road, Chaoyang District, Beijing 100124, P.R. CHINA
Phone: +86-10-8794-5176

TOPCON SINGAPORE MEDICAL PTE. LTD.

1 JALAN KILANG TIMOR #09-01 PACIFIC TECH CENTRE SINGAPORE 159303
Phone: +65-68720606 Fax: +65-67736150
E-mail: medical_sales@topcon.com.sg www.topcon.com.sg

REPRESENTATIVE OFFICE IN INDONESIA

Level 38, Tower A, Kota Kasablanka unit GH-04, Jl.
Casablanca, Kav 88, Jakarta, Indonesia 12870
Phone: +62-21-2963-8004

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

Not available for sale in all countries. Please check with your local distributor for availability in your country

3D Optical Coherence Tomography
3D OCT-1(Type:Maestro2)

©2019 Topcon Medical Systems, Inc. MCA# 2071 CE0123

CLASS 1 LASER PRODUCT
(IEC60825-1:2007)
PRODUIT LASER DE CLASSE 1
(CEI60825-1:2007)

CLASS 1 LED PRODUCT
(IEC60825-1:2001)
PRODUIT LED DE CLASSE 1
(CEI60825-1:2001)