

# 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. \*\*Not available for sale in all countries. OCTA is optional.



### FEATURES:

- Combination OCT and true color fundus
- Fully automated OCTA capture
- 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

\*\*\*Not available for sale in all countries.

## 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.



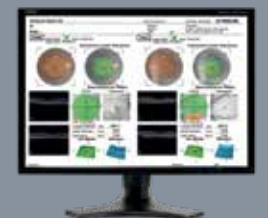
Select a capture icon



Adjust the chinrest position and touch [Start CAPTURE]



Instant results are displayed



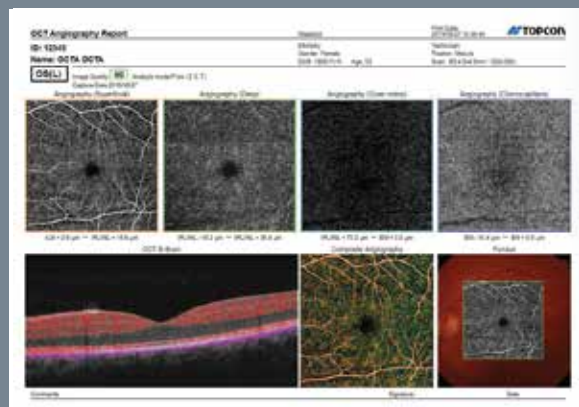
Report can be displayed immediately

Maestro2 now featuring **OCT Angiography**

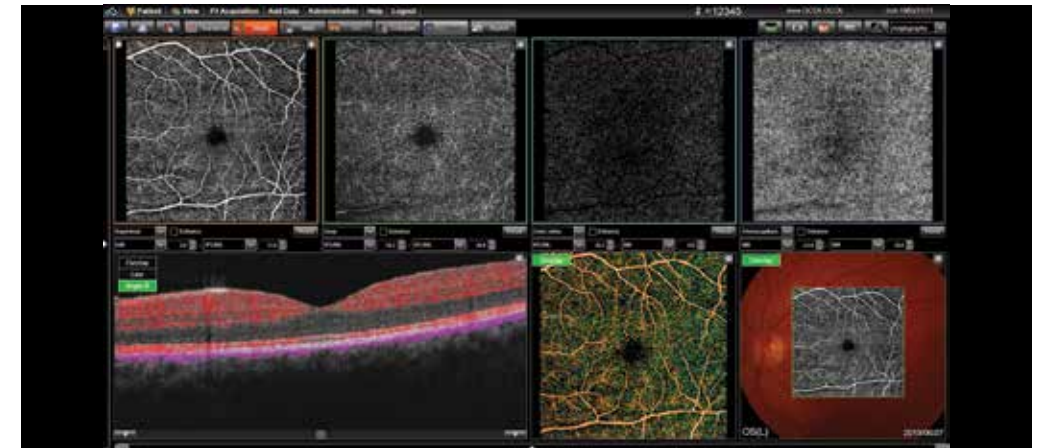


Introducing fully automated OCT Angiography

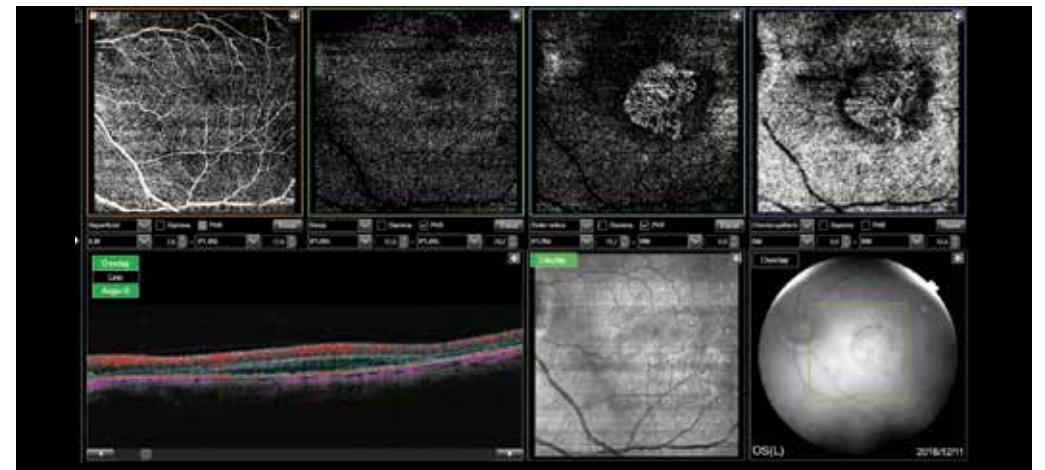
At the touch of a button, the Maestro2 provides instantaneous vascular structure information in an easy to interpret simple format, together with comprehensive segmentation manipulation to enable advanced diagnosis.



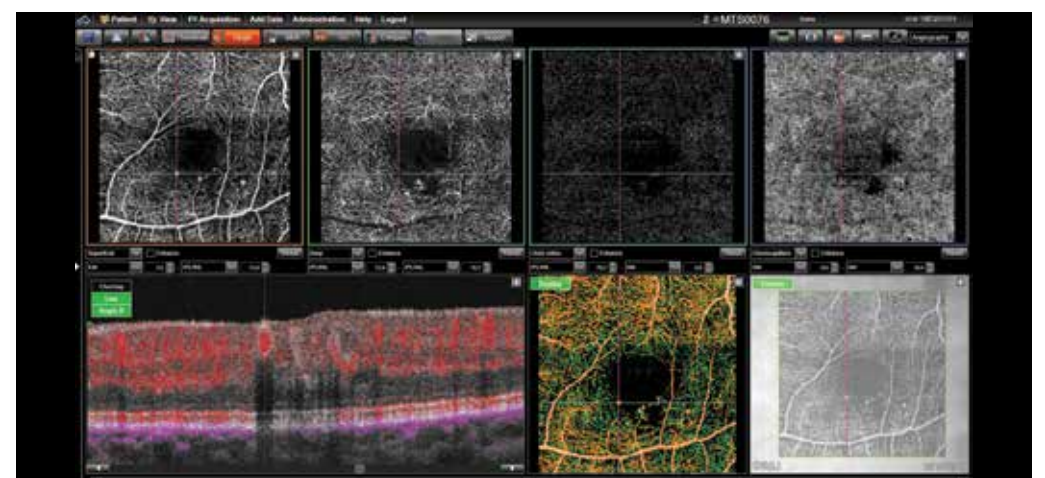
Healthy eye  
OCT Angiography results



Choroidal Neovascularization (CNV) OCT Angiography results



Diabetic Retinopathy (DR)  
PinPoint registration of microaneurysms results

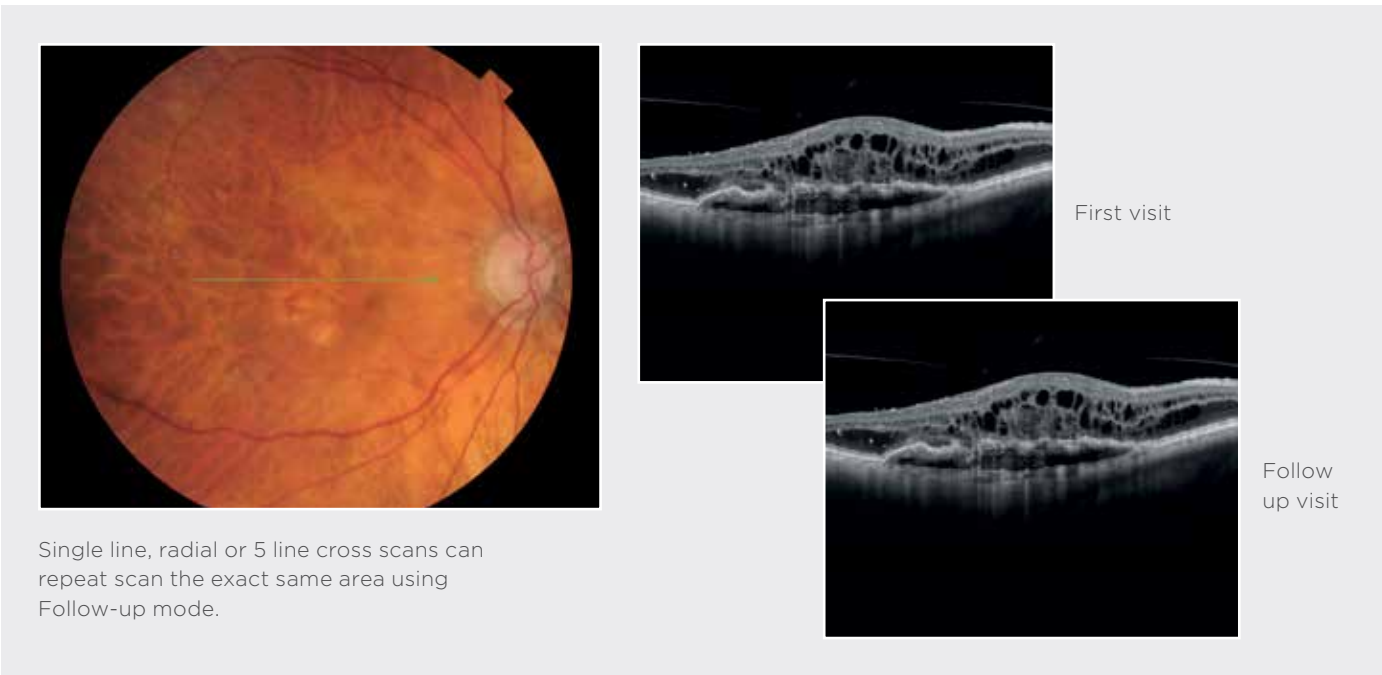


# Efficient diagnostic workflow



## 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.

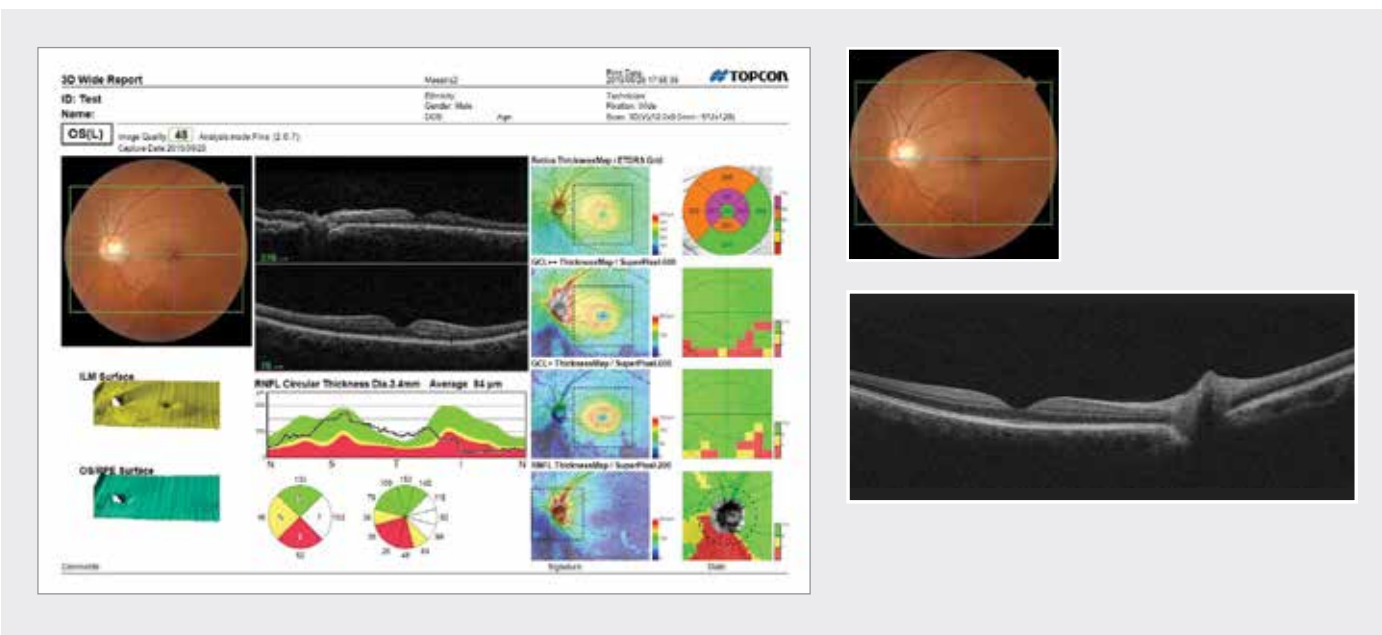


Single line, radial or 5 line cross scans can repeat scan the exact same area using Follow-up mode.



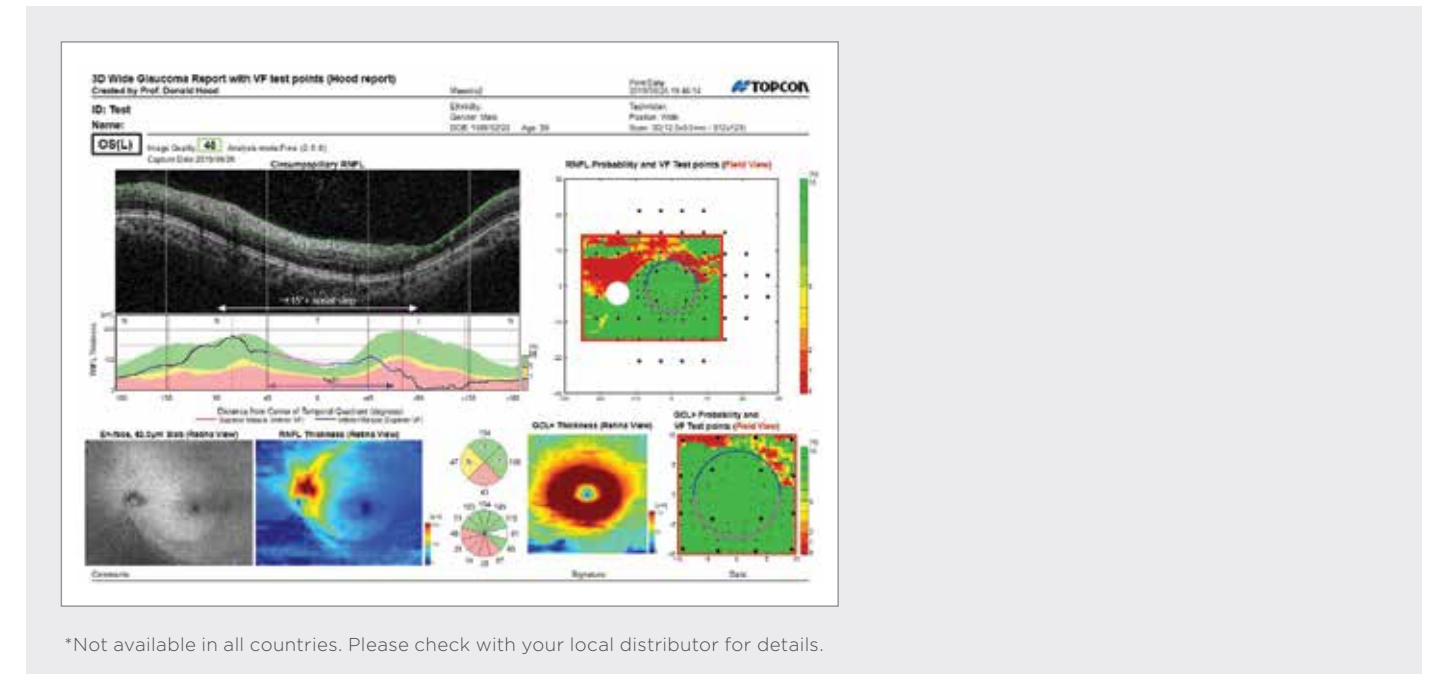
## WIDEFIELD OCT SCAN

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).

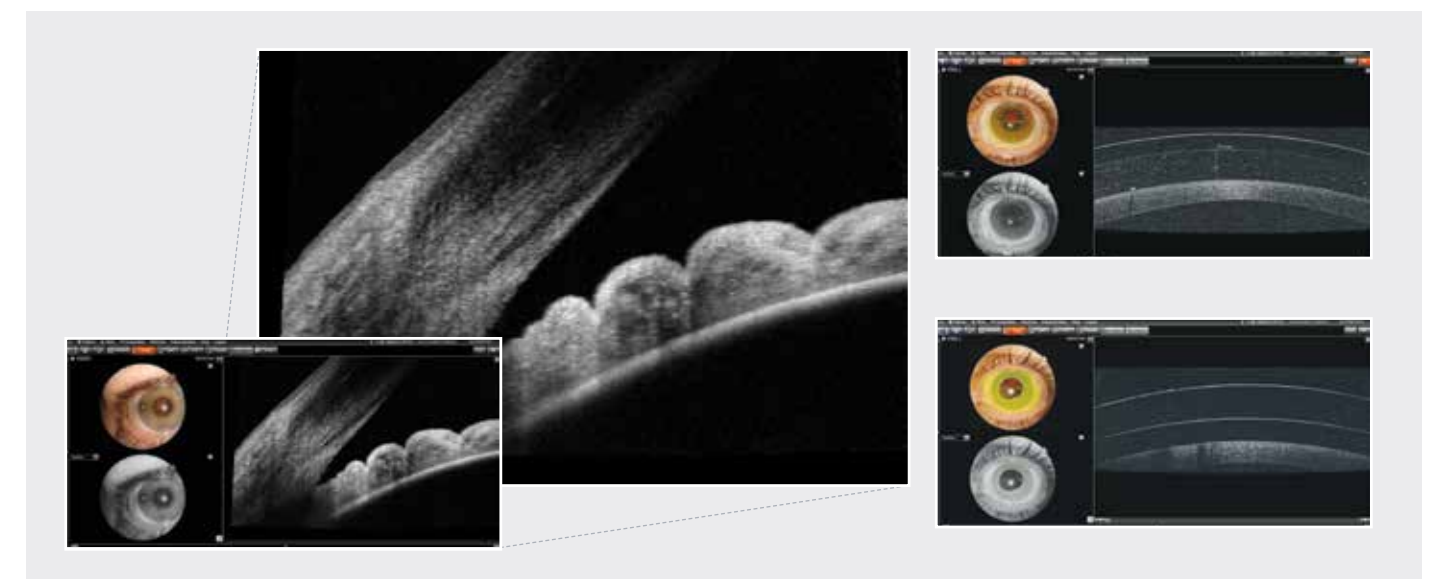


\*Not available in all countries. Please check with your local distributor for details.



## ANTERIOR SEGMENT CALIPER/ANGLE ANALYSIS

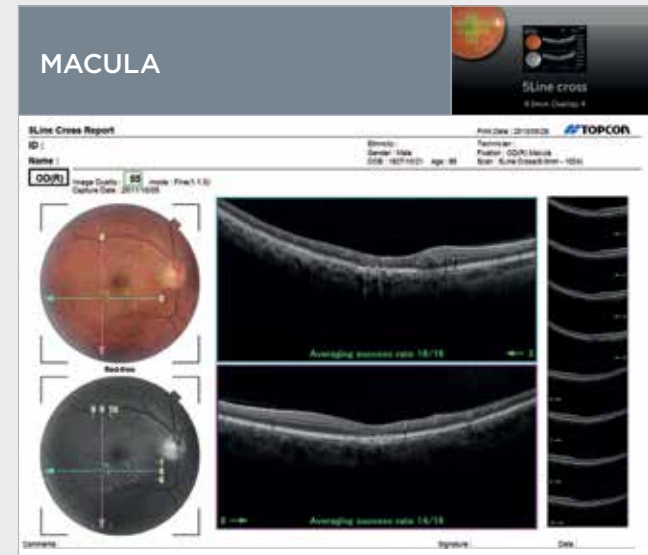
The Maestro2 has the added advantage of Anterior OCT scanning capability, without the need for an additional expensive/delicate lens. By simply adding the anterior headrest support, the Maestro2 is able to capture corneal and chamber angle scans together with the ability to make corneal thickness and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



# Extensive set of reports: guidance for diagnosis

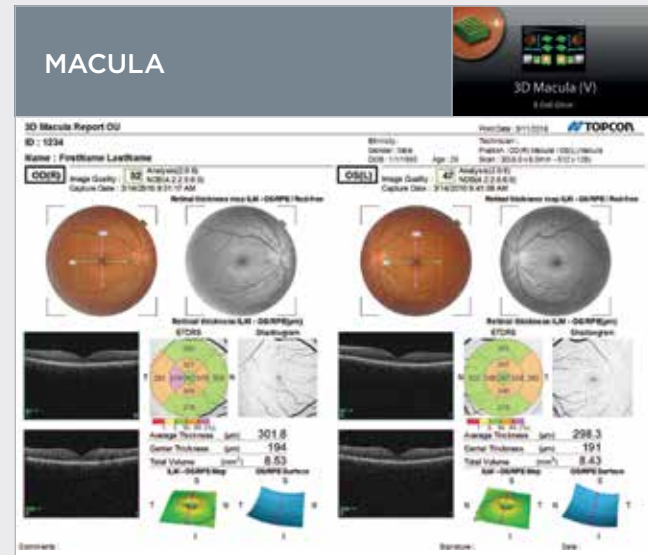
## EXTENSIVE SET OF REPORTS

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.



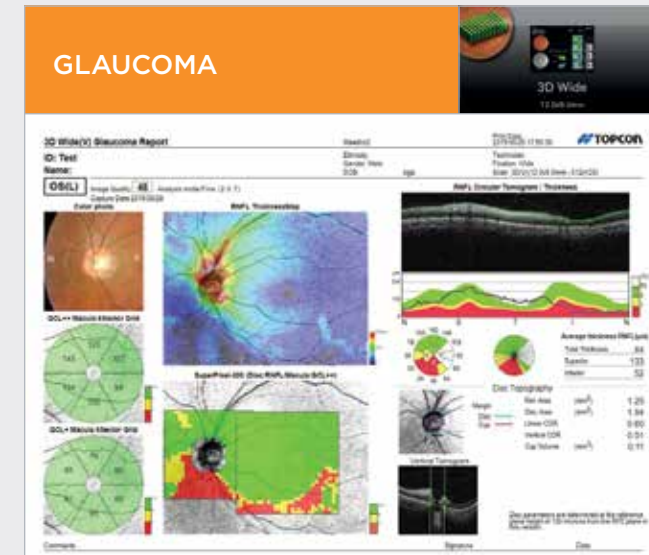
### 5 LINE CROSS SCAN

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



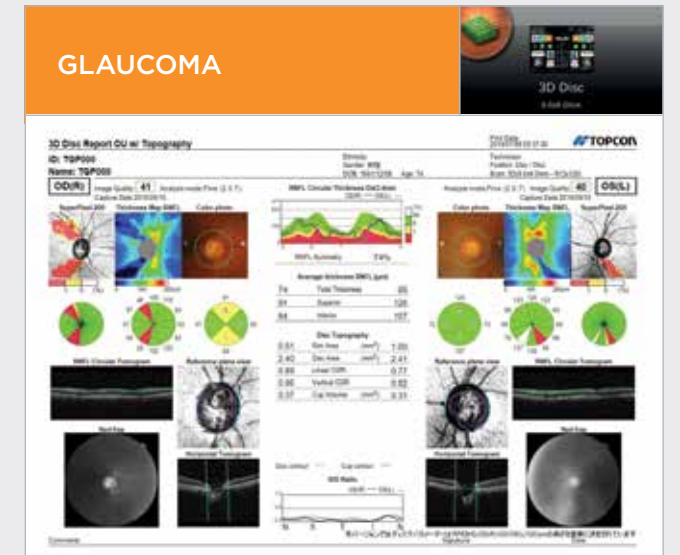
### 3D MACULA ANALYSIS

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.



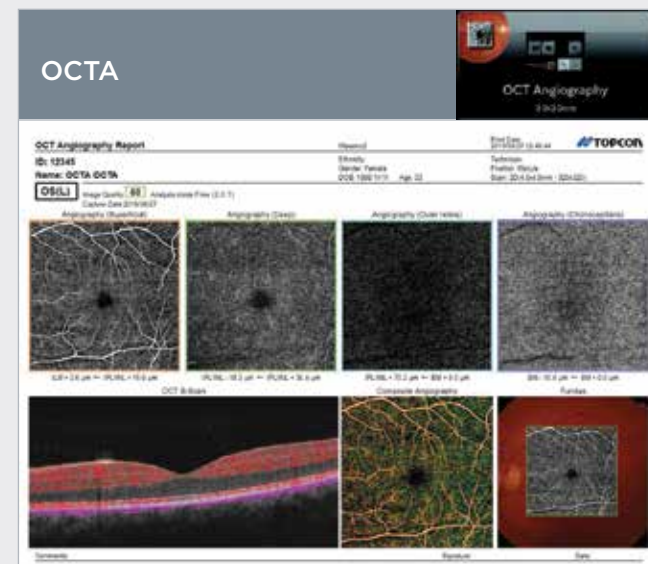
### 3D WIDE SCAN (12mm x 9mm)

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.



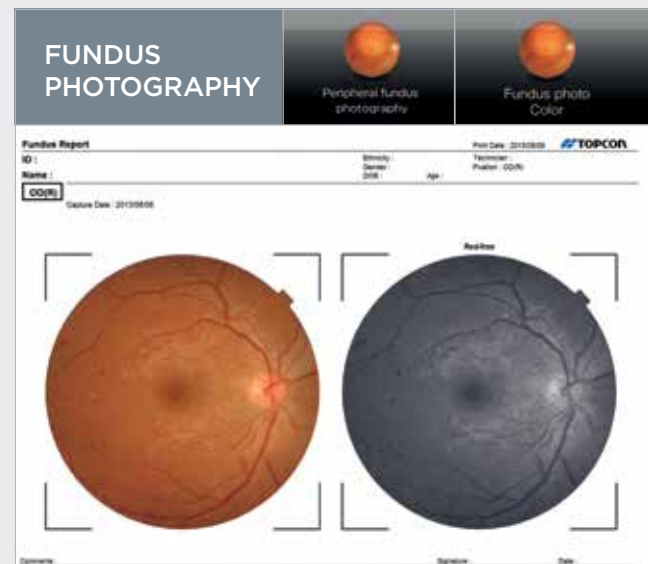
### 3D DISC ANALYSIS

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



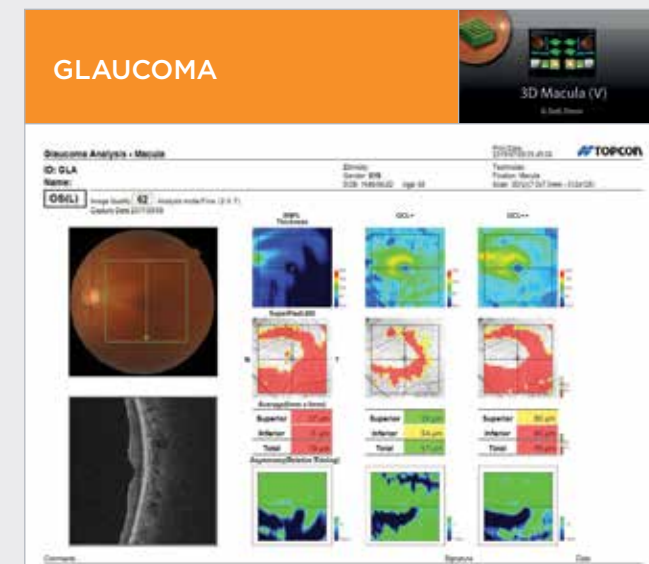
### OCT ANGIOGRAPHY

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



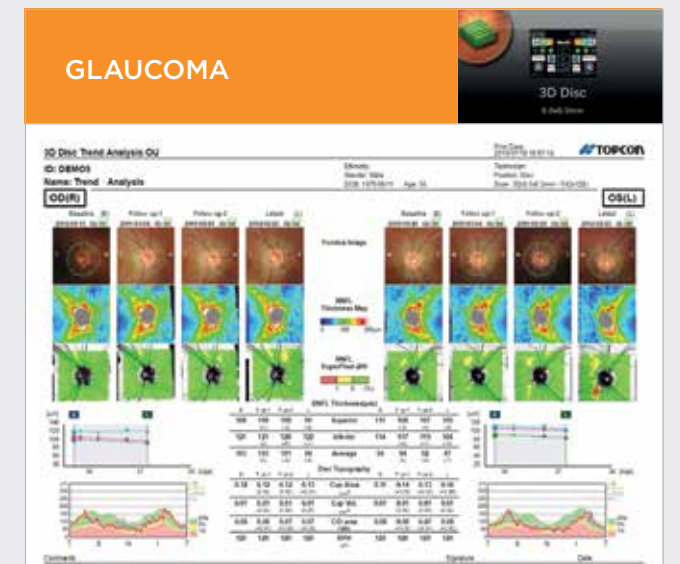
### COLOR FUNDUS PHOTOGRAPHY/ PERIPHERAL FUNDUS PHOTOGRAPHY

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.

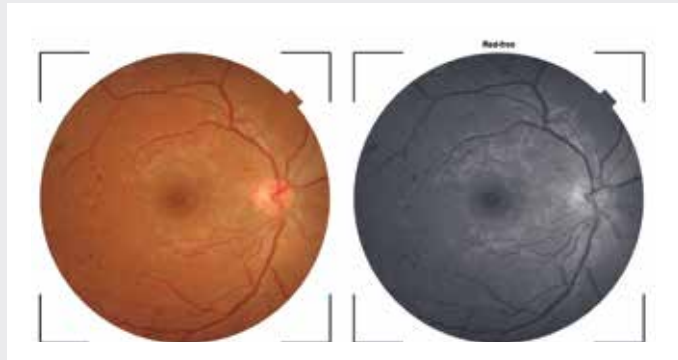
# High resolution OCT and true color fundus images



## 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.



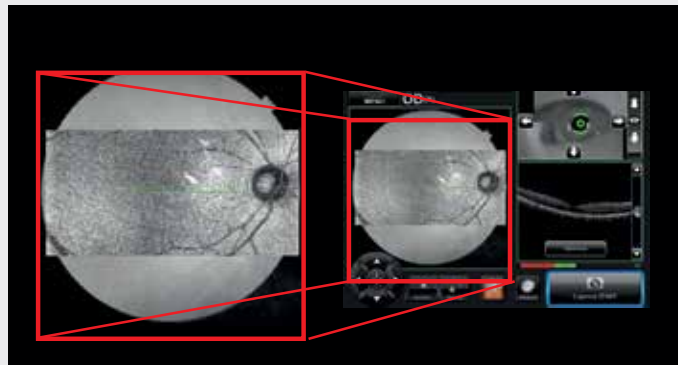
## PERIPHERAL FUNDUS PHOTOGRAPHY

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.



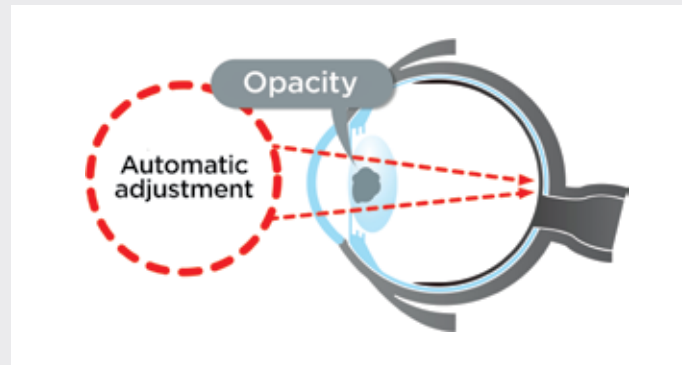
## LIVE FUNDUS VIEW™

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.



## CATARACT MODE

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



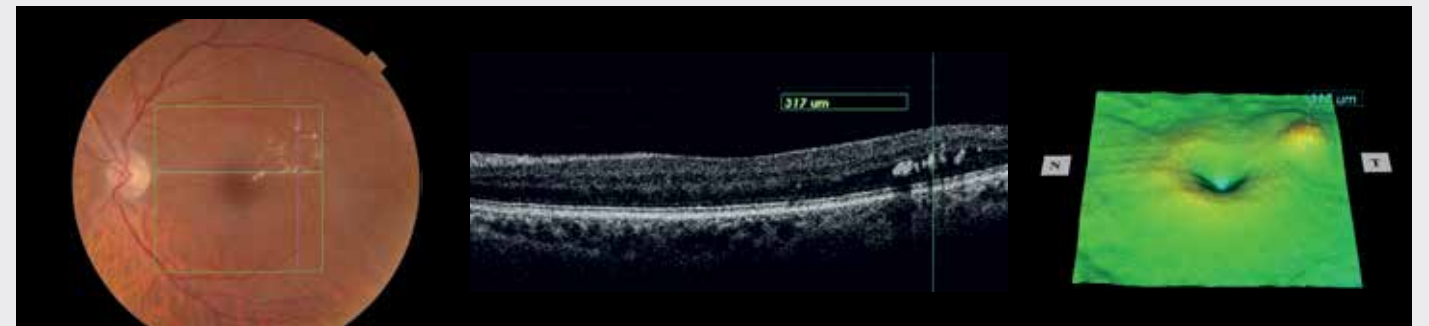
## HIGH RESOLUTION OCT AND COLOR FUNDUS PHOTOGRAPHY

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.

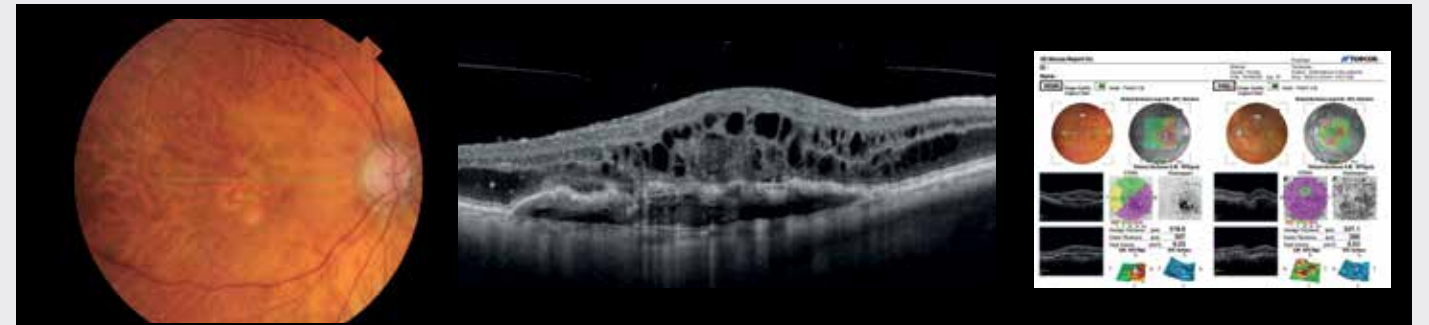
85-years old, male, OD, Branch Retinal Vein Occlusion (BRVO)



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



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



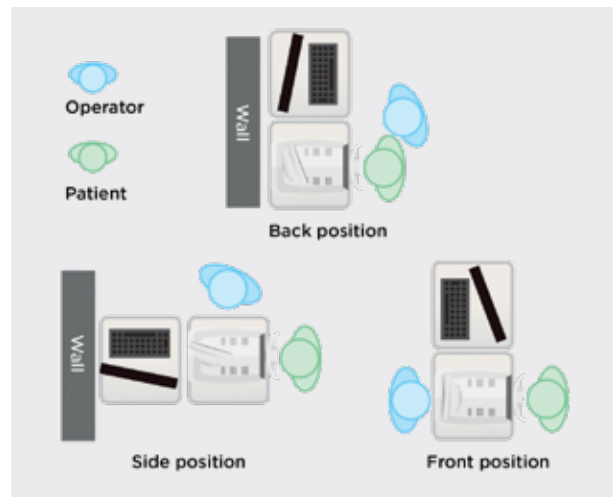
66-years old, male OS, macular hole (full thickness)



# Accessories

## SPACE SAVING SET-UP

Maestro2 is space saving due to the compact design and the rotatable touch screen. The small footprint allows installation on a refraction unit or a table like Topcon's unique wall mounted table.



SPACE SAVING SET UP



ANTERIOR ATTACHMENT HA-2

# Infinite screen positioning for ultimate flexibility



## Specifications

| ITEM   | SPECIFICATIONS  |
|--|---|
| <b>Observation &amp; photographing of the fundus</b>                       |   |
| Type of photography  | Color, Red-free* & IR***  |
| Picture angle for photography  | 45° ± 5% or less<br>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<br>Small pupil diameter: ø3.3mm or more   |
| Fundus image resolution (on fundus)  | Center : 60 lines/mm or more<br>Middle (r/2) : 40 lines/mm or more<br>Middle (r) : 25 lines/mm or more<br>IR photography : Center: 5 lines/mm or more***  |
| <b>Observation &amp; photographing of the fundus tomogram</b>              |   |
| Scan range (on fundus) Horizontal direction                                | 3 - 12mm ± 5% or less   |
| Vertical direction   | 3 - 9mm ± 5% or less  |
| Scan pattern   | 3D scan (horizontal/vertical)<br>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 (digital resolution 2,6µm)  |
| Photographable diameter of pupil   | ø2.5mm or more  |
| <b>Observation &amp; photographing of the fundus image/fundus tomogram</b> |   |
| Fixation target  | Internal fixation target:<br><br>Dot matrix type organic EL<br>The display position can be changed and adjusted.<br>The displaying method can be changed.<br>Peripheral fixation target:<br>This is displayed according to the internal fixation target displayed position.<br>External fixation target |
| <b>Observation &amp; photographing of anterior segment</b>                 |   |
| Type of photography  | Color & IR***   |
| Operating distance   | 62.6 ± 0.1mm (when taking a picture of anterior segment)**  |
| <b>Observation &amp; photographing of the anterior segment tomogram</b>    |   |
| Operating distance   | 62.6 ± 0.1mm (when taking a picture of anterior segment)**  |
| Scan range (on cornea)**   |   |
| Horizontal direction   | 3 - 6mm ± 5% or less  |
| Vertical direction   | 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  |

\* Digital Red-free photography that processes a color image and displays it in pseudo-red-free condition.

\*\* Observation & photography of anterior segment can be performed only when the anterior segment attachment (HA-2) is used.

\*\*\* This is used only for recording the position where a tomogram is captured.

# Maestro2

## 3D OCT-1 Optical Coherence Tomography

Auto align  
Auto focus  
Auto capture







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**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