Maestro2

Robotic Optical Coherence Tomography with True Color Fundus Camera

VERSATILE.
EASY TO USE.
COMPREHENSIVE REPORTING.

TOPCON Healthcare
SEEING EYE HEALTH DIFFERENTLY

Maestro2

Fully Automated, Robotic OCT & True Color Fundus Camera.

Overview

User-friendly **Robotic OCT** + Fundus Camera

OCT and **True Color**[1] Fundus Photography

Single Touch, **Automated Capture**

12x9mm 3D Wide Scan with Hood Report for Glaucoma

Anterior Segment OCT[2]

Reference Database

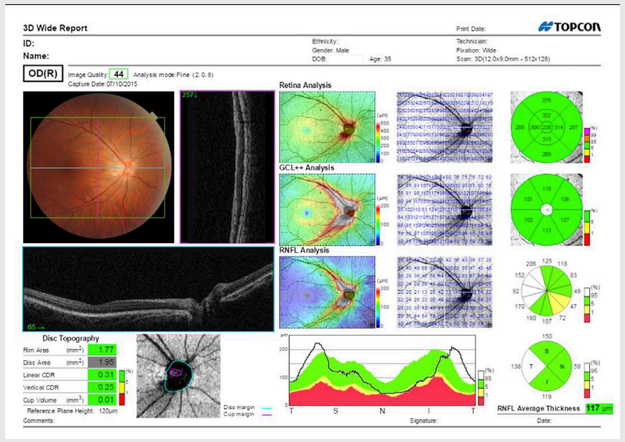
Full 360° Rotating Monitor **Allows Operator Distance**

Small Footprint. **Space Saving**

Comprehensive Scan Reports

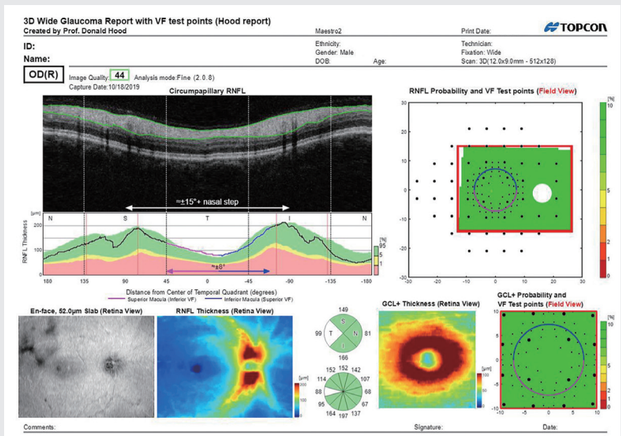
Widefield OCT Scan

12x9mm widefield OCT scan encompasses both macula and disc with thickness metrics and reference database for a comprehensive assessment of eye health.



Hood Report for Glaucoma

Analyze structure-function in glaucoma suspects and patients with retinal thickness/ RNFL and GCL probability maps alongside visual field test locations.*

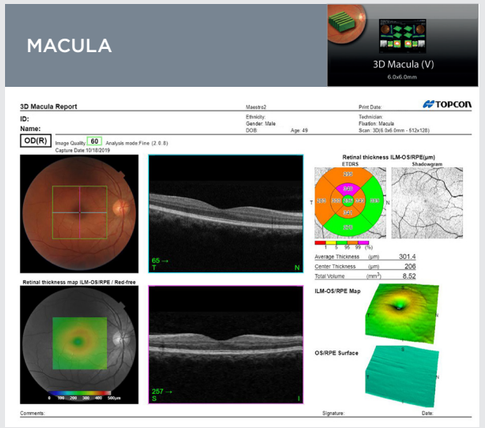


*Donald C. Hood PhD, Translational Vision Science & Technology No.6 Vol.3 2014: Evaluation of a One-Page Report to Aid in Detecting Glaucomatous Damage.

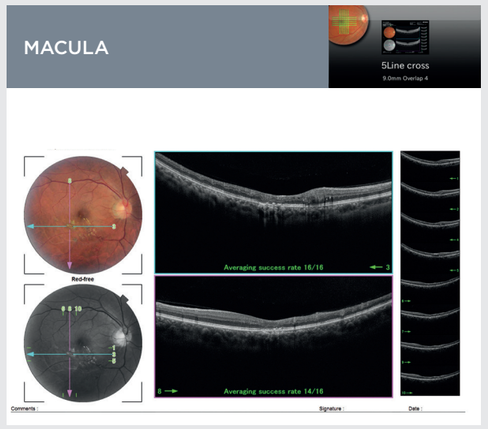
Guidance for Diagnosis

Reports | Retina

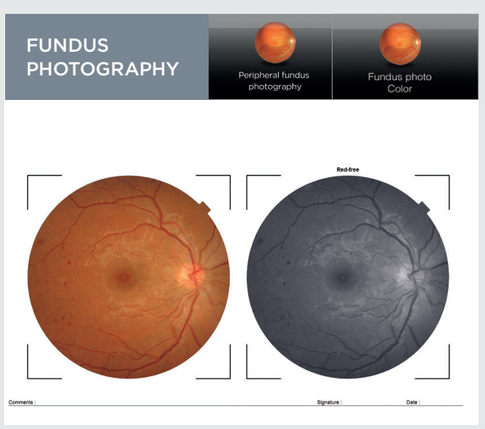
Maestro2 provides rich analysis of the macular and disc regions. Reports can be auto exported, quickly printed or sent to your image management system or EHR in common file formats.



3D MACULA
3D Macula report available for single or both eyes if OU comparison is preferred. Analysis over 6x6mm scan with retinal thickness and reference database.

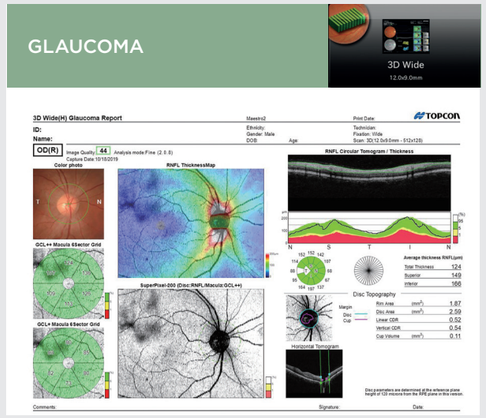


5 LINE CROSS SCAN
5-line cross scan displays horizontal and vertical B-scans (6mm, 9mm).

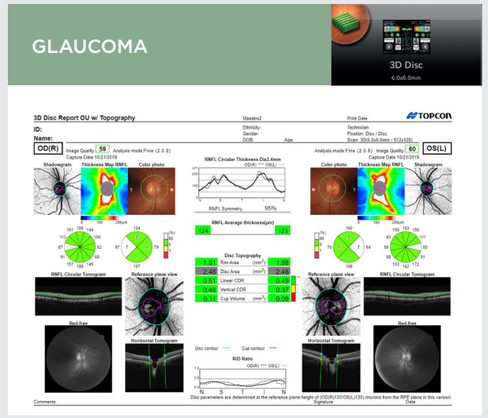


COLOR FUNDUS PHOTOGRAPHY
Non-mydriatic color fundus photography and peripheral photography with PinPoint registration to OCT scans.

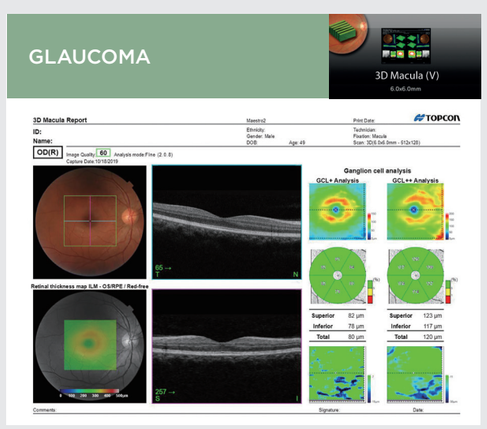
Reports | Glaucoma



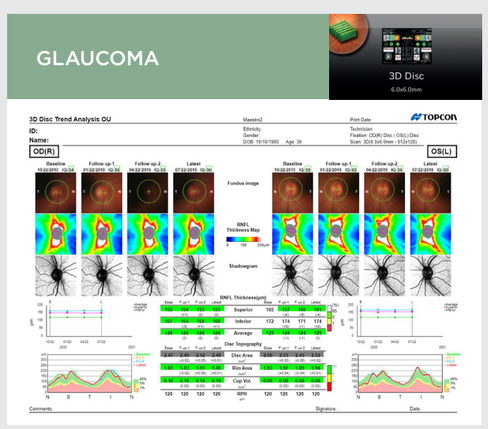
3D WIDE SCAN (12x9mm)
Macula and optic nerve head image in one report with thickness and reference data for GCL+, GCL++ and RNFL.



3D DISC ANALYSIS
Disc topography, fundus photography, RNFL thickness measurements and reference database for RNFL and disc parameters.



3D MACULA GCL ANALYSIS
RNFL, GCL+, GCL++ thickness maps and comparison with reference data and symmetry analysis.



RNFL TREND ANALYSIS
Baseline and subsequent visits can be examined over time. Trends are provided for disc parameters and RNFL thickness along with a reference database comparison.

GCL+: The thickness of GCL and IPL. **GCL++:** The thickness of GCL, IPL and RNFL.

Fundus Photography

True Color Fundus Photography[1]

Integrated true color fundus camera enables simultaneous capture of the OCT image and fundus photo. PinPoint Registration allows multimodal observation of suspected pathology. Small pupil mode and fundus only capture are also available.

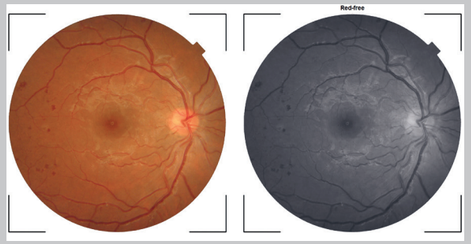


Image courtesy: Michael H. Chen, O.D.

Peripheral Fundus Photography

Automatically select nine standard fields or manually manipulate the patient's fixation to create a mosaic image with the AutoMosaic software.

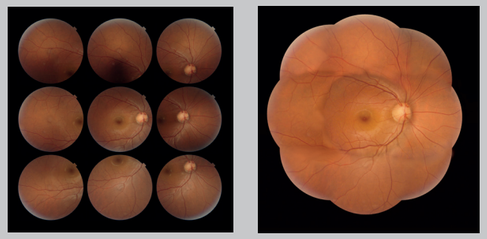
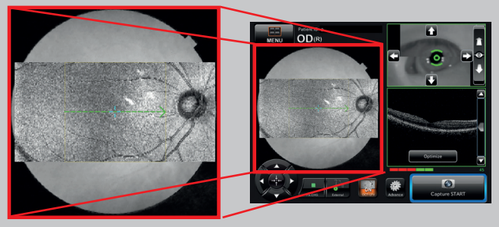


Image courtesy: Michael H. Chen, O.D.

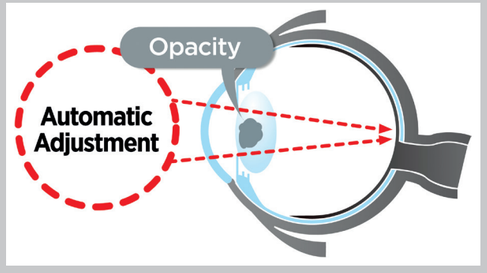
Live Fundus View™ (LFV)

OCT-LFV is a live projection image of the retina that makes the disc, retinal vessels and scanning position easy to see.



Cataract Mode

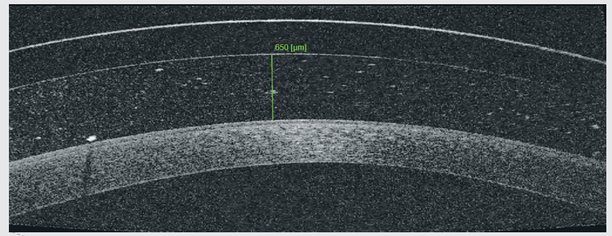
Cataract mode automatically adjusts the scanning position to minimize the impact of any opacities such as cataracts.

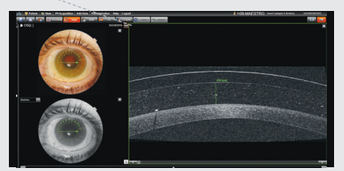


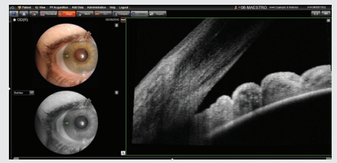
Anterior Segment OCT

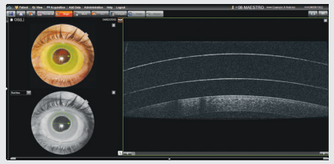
Anterior Segment OCT[2]

Capture cornea and anterior chamber scans and measure corneal thickness and contact lens clearance with manual caliper tools.





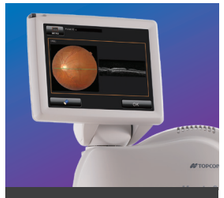




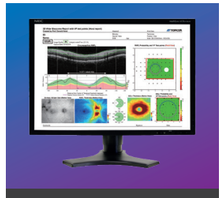
Auto Align. Auto Focus. Auto Capture.

Step 1
Select a scan type.

Step 2
Capture.

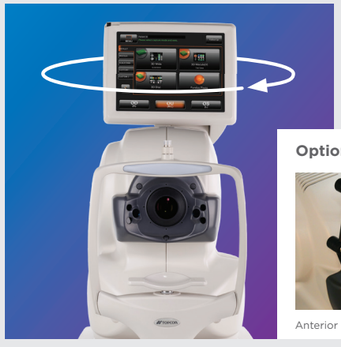


Step 3
Results are displayed instantly.



Step 4
Report displayed automatically.

Full 360° rotating monitor allows operator distance.



Optional Accessory

Anterior segment attachment (HA-2)

Specifications

Item	Specifications
Observation & photography of the fundus	
Type of photography	Color, Red-free (Note 1) & IR (Note 3)
Picture angle for photography	45° 3 5% or less 30° or equivalent (digital zoom)
Operating distance	34.8 3 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 3 5% or less Vertical direction 3 – 9mm 3 5% or less
Scan pattern	3D scan (horizontal/vertical) Linear scan (Line-scan/Cross-scan)
Scan speed	50,000 A-Scans per second
Lateral resolution	20μm or less
In-depth resolution	6μm or less Pixel spacing: 2.6μm 3 2%
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 OLED display. 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 3 0.1mm (when taking a picture of anterior segment) (Note 2)
Observation & photographing of the anterior segment tomogram	
Operating distance	62.6 3 0.1mm (when taking a picture of anterior segment) (Note 2)
Scan range (on cornea) (Note 2)	Horizontal direction 3 – 6mm 3 5% or less Vertical direction 3 – 6mm 3 5% or less
Scan pattern	Linear scan (Line-scan/Radial-scan)
Scan speed	50,000 A-Scans per second
Electric rating / Dimensions & weight	
Source voltage Power input	AC 100 - 240V 50-60Hz 70 - 150VA
Dimensions Weight	340 - 480mm (W) x 543 - 680mm (D) x 530 - 735mm (H) 25kg

(Note 1) Digital Red-free photography that processes a color image and displays it in pseudo-red-free condition.
(Note 2) When the attachment for anterior segment is included in the system configuration.
(Note 3) This is used only for recording the position where a tomogram is captured.

1. True, full color fundus image simultaneously captured with white light, 24-bit color.
2. Optional attachment required.

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)

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

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