Maestro2

Robotic 3D Optical Coherence Tomography
with True Color Fundus Camera

Simple Capture,
Sophisticated Analyses,
Clinical Confidence

OCTA
AVAILABLE

TOPCON Healthcare

Maestro2

The Iconic Robotic
OCT Fundus Camera,
Powered with OCTA

Overview

User-friendly
Robotic OCT +
Fundus Camera

True Color[1]
Fundus Photography

Full 360°
Rotating Touchscreen

12x9mm
3D Wide Scan

Anterior Segment OCT

Reference Database

Single Touch Capture

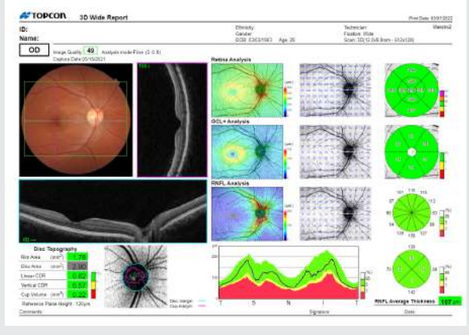
OCTA[2]

1 True, full color fundus image simultaneously captured with white light, 24-bit color
2 OCTA feature is optional

Comprehensive Reports

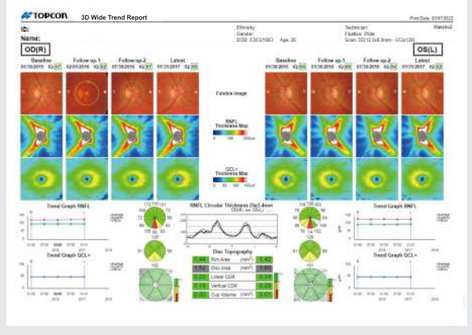
Widefield OCT Scan

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



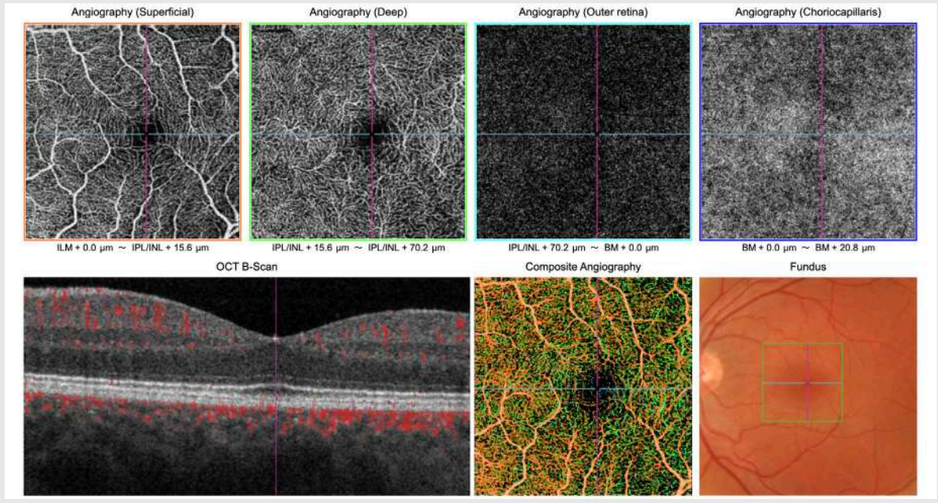
3D Wide Trend Analysis

Comprehensive longitudinal assessment of optic nerve head photographs, RNFL and ganglion cell layer thickness data in a change-over-time bilateral report.



OCTA

Maestro2 OCTA provides visualization of vascular structure, without the need for contrast dye, using en-face angiographic and cross-sectional imaging of both normal and abnormal vasculature in the retina and choroid.

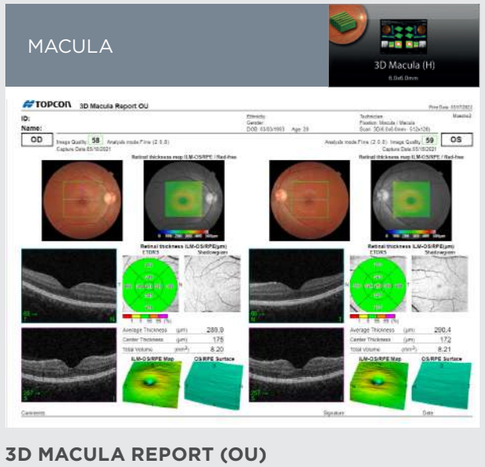


Guidance for Diagnosis

Reports | Retina

Maestro2 provides rich analyses of the macular and optic nerve head regions. Reports can be auto-exported, quickly printed or sent to your image management system or electronic health record(EHR) in common file formats.

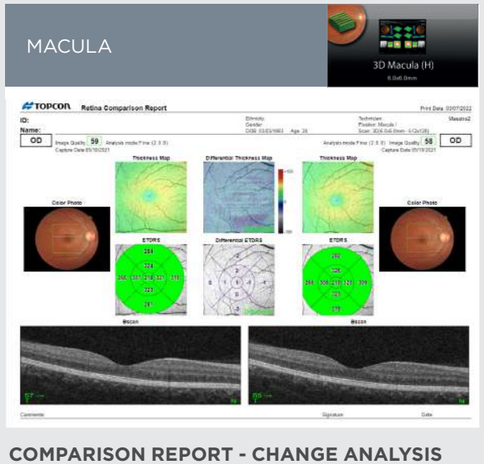
MACULA



3D MACULA REPORT (OU)

6x6mm bilateral scan report includes true-color and red-free fundus photography with OCT thickness overlay, retinal thickness with reference database, high-resolution OCT scans and thickness surface map

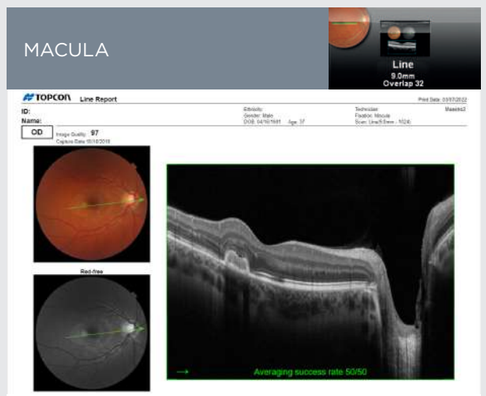
MACULA



COMPARISON REPORT - CHANGE ANALYSIS

Unilateral visit-to-visit change report with 45° true-color fundus photography, intervisit-registered OCT scans (3D Macula or 3D Wide) and ETDRS. Map and Differential ETDRS displays thickness variance in +/- microns

MACULA



SINGLE LINE SCAN

45° true-color and red-free fundus photographs with high resolution OCT scan

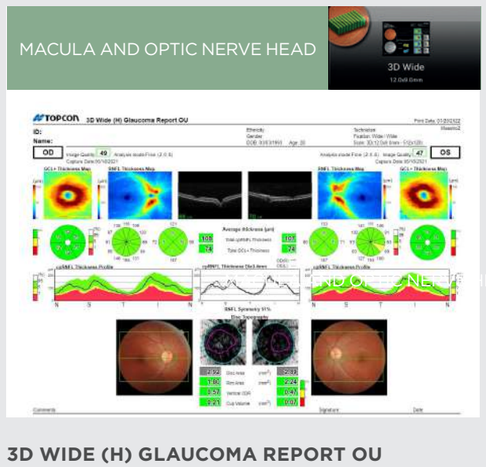
MACULA

5 LINE CROSS SCAN

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

Reports | Glaucoma

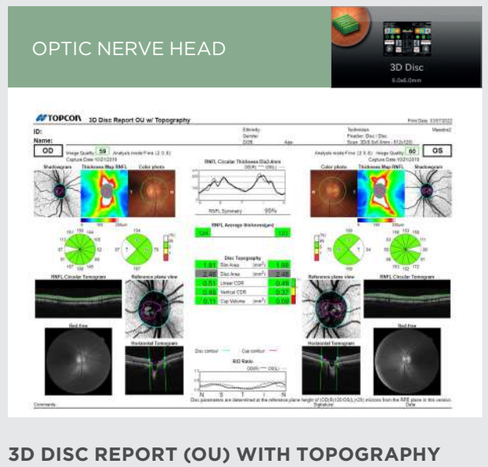
MACULA AND OPTIC NERVE HEAD



3D WIDE (H) GLAUCOMA REPORT OU

Wide, 12x9mm OU OCT scan report. Includes 45° true-color fundus photography, RNFL thickness, optic nerve head topography, GCL+ thickness; all with reference data

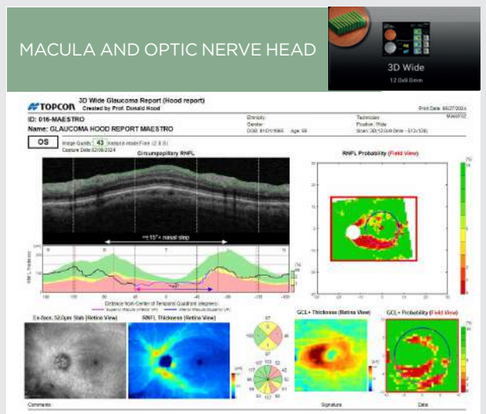
OPTIC NERVE HEAD



3D DISC REPORT (OU) WITH TOPOGRAPHY

Optic nerve head 6x6mm OCT scans offering conventional analyses with photography in a bilateral report

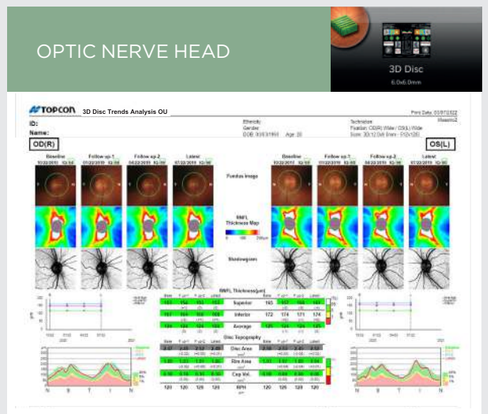
MACULA AND OPTIC NERVE HEAD



HOOD REPORT FOR GLAUCOMA

Hood Report for Glaucoma featuring probability maps for RNFL and GCL streamlines clinical decision-making

OPTIC NERVE HEAD



3D DISC TREND ANALYSIS OU

Optic nerve head photographs, RNFL and optic nerve head data presented in a bilateral report show change over time

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.

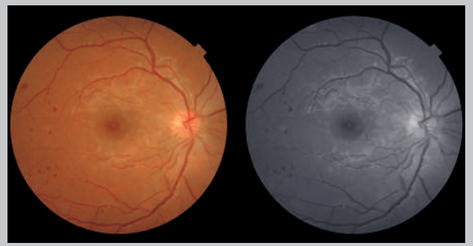


Image courtesy: Michael H. Chen, O.D.

Peripheral Fundus Photography

Automatically select up to nine standard fields or manually manipulate the patient's fixation to create a mosaic image with the IMAGEnet®6 AutoMosaic software.

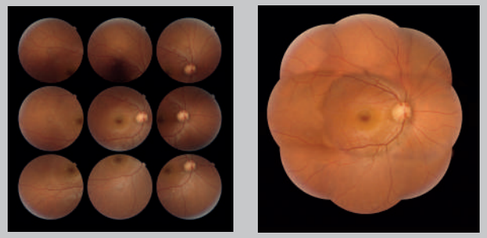
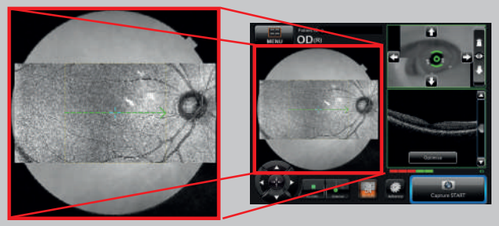


Image courtesy: Michael H. Chen, O.D.

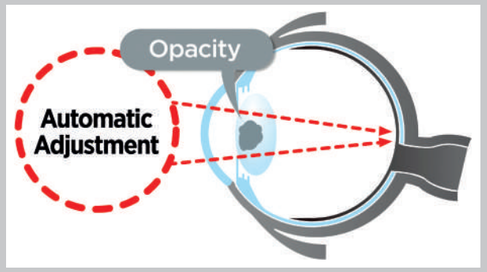
Live Fundus View™ (LFV)

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



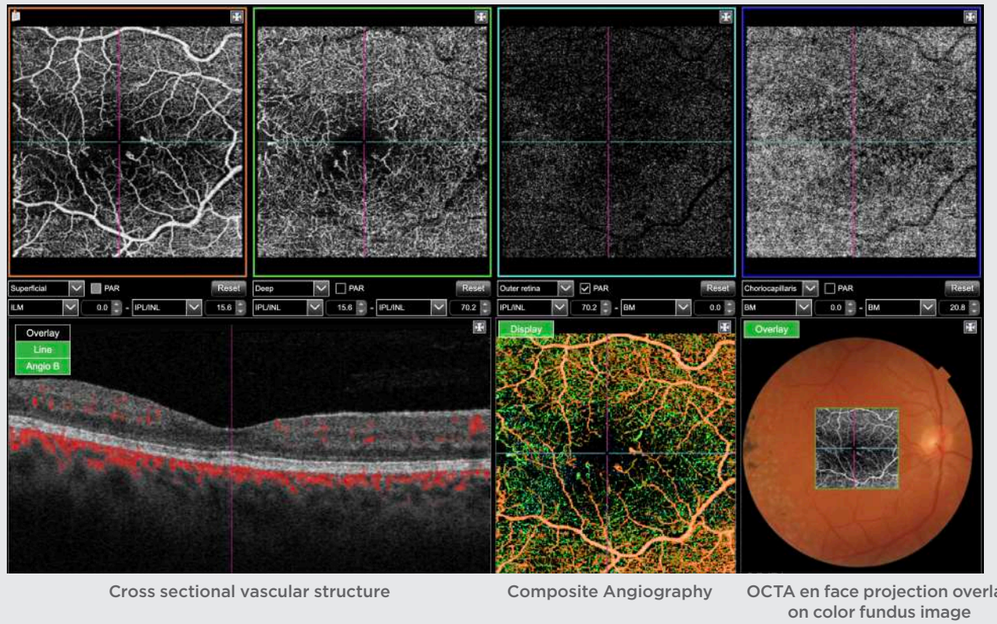
Cataract Mode

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



OCTA

OCTA[2]



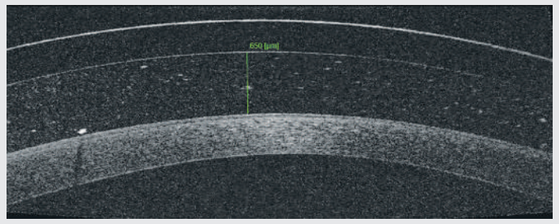
Cross sectional vascular structure | Composite Angiography | OCTA en face projection overlay on color fundus image

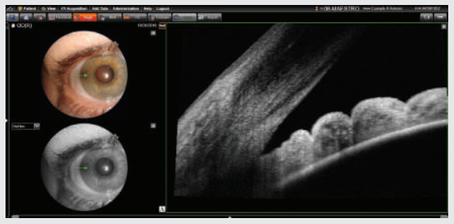
2 OCTA feature is optional

Anterior Segment OCT

Anterior Segment OCT

Capture cornea and anterior chamber angle scan, measure corneal thickness and scleral contact lenses clearance with manual caliper tools.





Specifications

Observation & photography 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	ø4.0mm or more : When small pupil diaphragm is not used. ø3.3mm or more : When small pupil diaphragm is used.
Observation & photographing of the fundus tomogram	
Scan range (on fundus)	Horizontal direction 3 – 12mm ±5% or less Vertical direction 3 – 9mm ±5% or less
OCT scan patterns	3D Wide, 3D Disc, 3D Macula, Line, 5-Line Cross
OCTA scan size	6 x 6mm, 4.5 x 4.5mm, 3 x 3mm
Scan speed	50,000 A-Scans per second
Lateral resolution	20μm or less
In-depth resolution	6μm or less Pixel spacing: 2.6μm ±2%
Photographable diameter of pupil	ø2.5mm or more
Observation & photographing of anterior segment	
Type of photography	Color & IR (Note 2)
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 3)	Horizontal direction 3 – 6mm ± 5% or less Vertical direction 3 – 6mm ± 5% or less
Scan pattern	Line Anterior Seg, Radial Anterior Seg
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	13 -19 inches (W) x 21-27 inches (D) x 20-29 inches (H) / 340 - 480 mm (W) x 543 - 680 mm (D) x 500 - 735 mm (H) 55 lbs / 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
* Product name is 3D Optical Coherence Tomography, 3D OCT-1 (Type: Maestro2)

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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 all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.

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

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