Maestro2

Robotic 3D Optical Coherence Tomography with True Color Fundus Camera



3DOCT-1Maestro2

#TOPCON

Simple Capture, Sophisticated Analyses, Clinical Confidence



HTOPCON Healthcare



Maestro2

The Iconic Robotic OCT Fundus Camera, Powered with OCTA

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.



ΟCTA

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.



Overview



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



True Color¹ Fundus Photography

Reference Database



Anterior Segment OCT





Full 360° Rotating Touchscreen



Single Touch Capture



12x9mm **3D Wide Scan**



OCTA²

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

Comprehensive Reports

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.

Guidance for Diagnosis

Reports | Retina

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



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



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



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



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

Reports | Glaucoma



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



HOOD REPORT FOR GLAUCOMA Hood Report for Glaucoma featuring probability maps for RNFL and GCL streamlines clinical decision-making



3D DISC REPORT (OU) WITH TOPOGRAPHY Optic nerve head 6x6mm OCT scans offering conventional analyses with photography in a bilateral report



3D DISC TREND ANALYSIS OU

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

True Color Fundus Photography¹

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.

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.



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



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.





OCTA²



Cross sectional vascular structure

2 OCTA feature is optional

Anterior Segment OCT

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





Composite Angiography

OCTA en face projection overlay on color fundus image

Anterior Segment OCT

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 ± 0.1 mm (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 direction3 - 12mm $\pm 5\%$ or lessVertical direction3 - 9mm $\pm 5\%$ 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 \pm 0.1mm (when taking a picture of anterior segment ^(Note 2))
Observation & photographing of the anterior segment tomogram	
Operating distance	62.6 $\pm 0.1mm$ (when taking a picture of anterior segment $^{(\text{Note 2})}$
Scan range (on cornea) (Note 3)	Horizontal direction3 - 6mm ± 5% or lessVertical direction3 - 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.

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