

Maestro2

3D OCT-1 Optical Coherence Tomography



Fully Automated
OCT & True Color
Fundus Camera

Fully Automated and Fully Loaded

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



The Maestro2

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-auto options for difficult-to-image patients.

Introducing fully automated OCT. At the touch of a button, the Maestro2 provides instantaneous structural information in easy to interpret formats, along with true color* fundus imaging and pin point registration.

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

FEATURES:

- Combination OCT and true color fundus
- 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



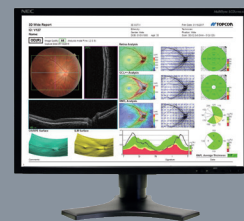
Select a capture icon



Adjust the chinrest position and touch [Start CAPTURE]



Instant results are displayed



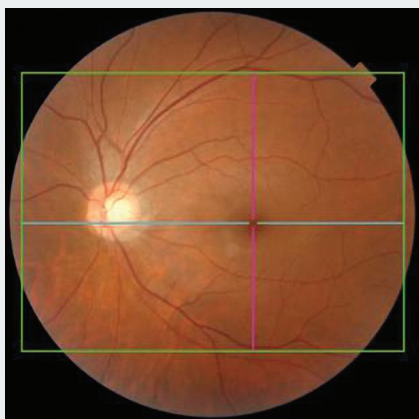
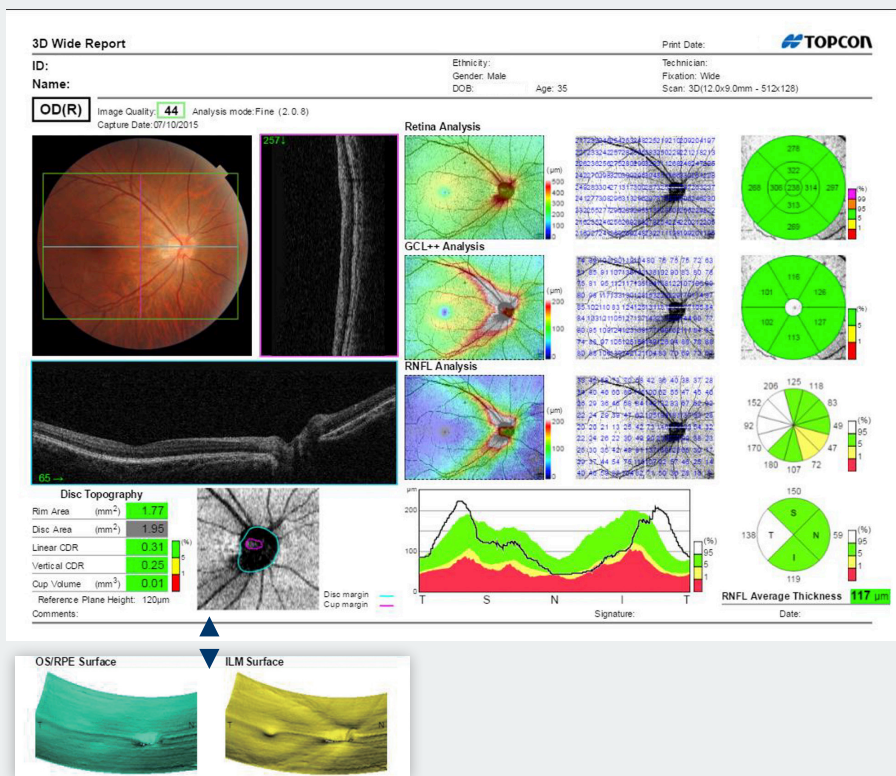
Report can be displayed immediately

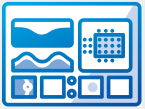
Efficient Diagnostic Workflow



WIDEFIELD OCT SCAN

The Maestro2 captures 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.

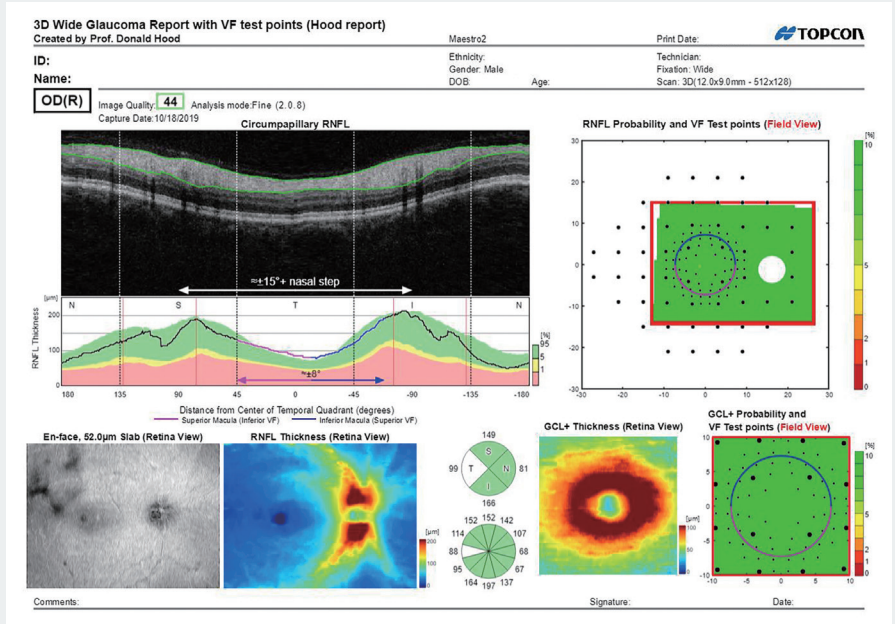




THE HOOD REPORT FOR GLAUCOMA AND PROBABILITY MAPS

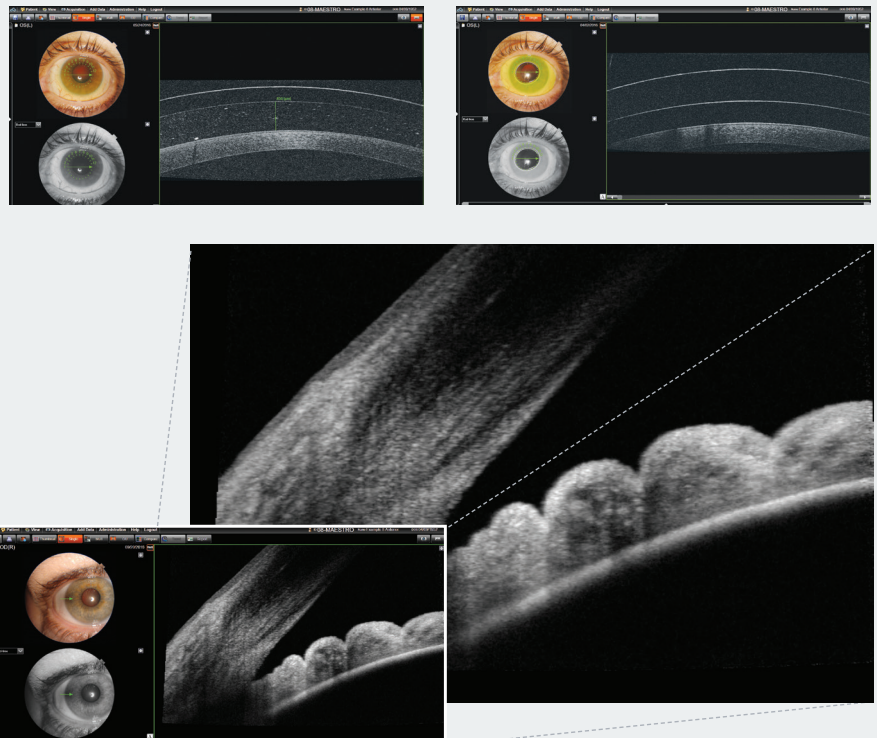
with 3D Wide 12x9mm Scan

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



ANTERIOR SEGMENT OCT SCAN

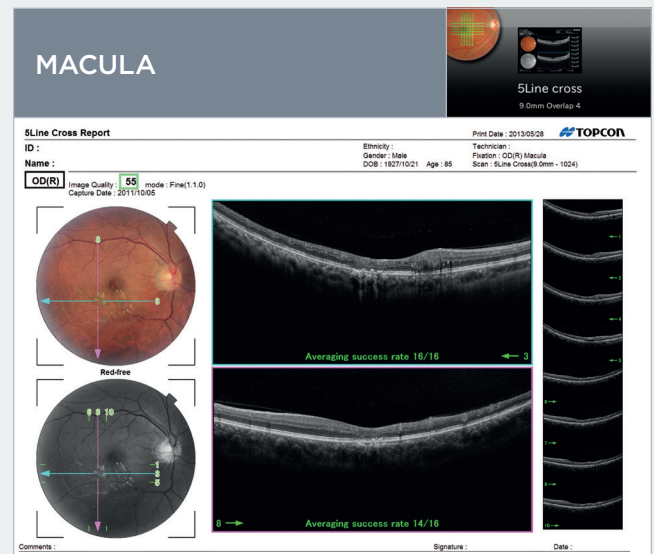
The Maestro2 has the added advantage of Anterior Segment OCT scanning capability, without the need for an additional expensive/external lens. By simply adding the anterior headrest support, the Maestro2 is able to capture corneal and chamber angle scans together with the ability to measure corneal thickness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



Extensive Set of Reports: Guidance for Diagnosis

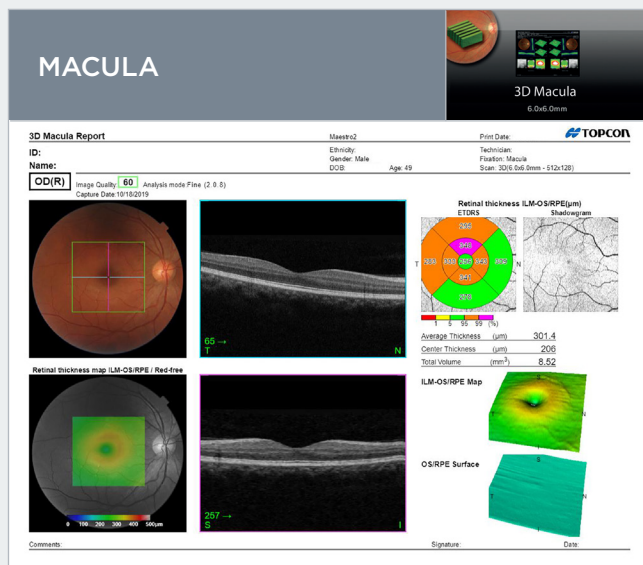
EXTENSIVE SET OF REPORTS

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.



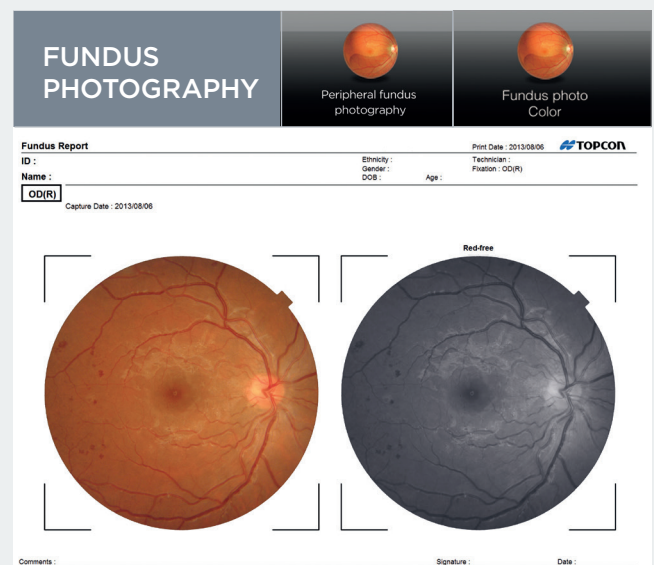
5 LINE CROSS SCAN

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.



COLOR FUNDUS PHOTOGRAPHY/ PERIPHERAL FUNDUS PHOTOGRAPHY

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

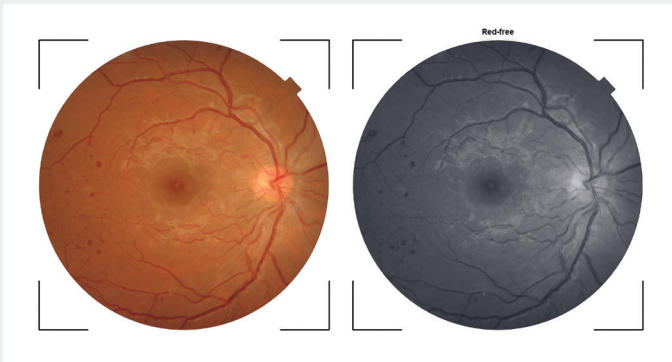
High Resolution OCT and True Color Fundus Images



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.



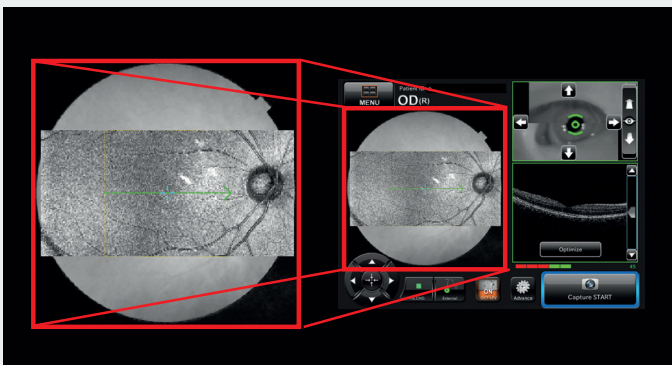
PERIPHERAL FUNDUS PHOTOGRAPHY

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.



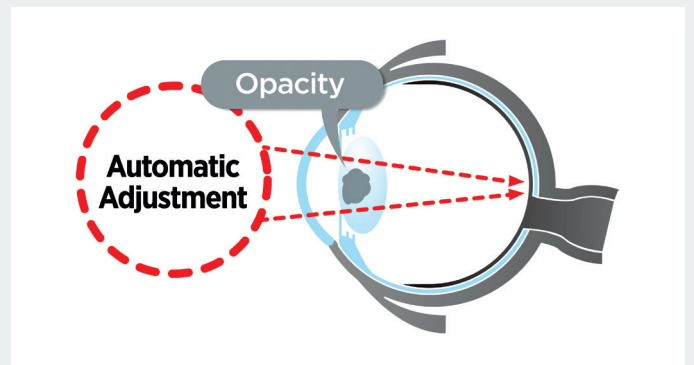
LIVE FUNDUS VIEW™

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 to an upper/lower area to adjust for opacity due to cataract.

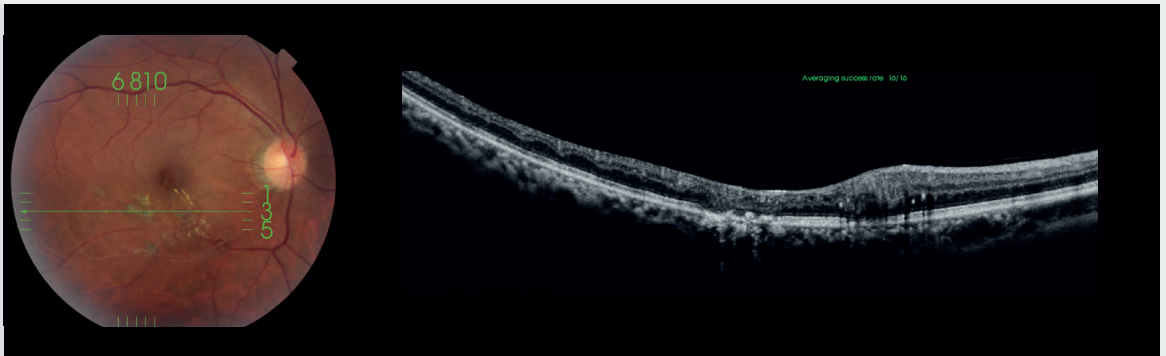




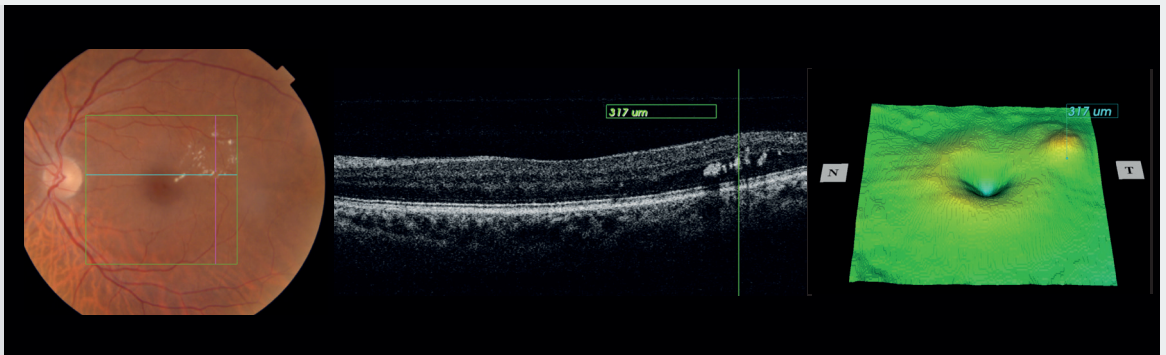
HIGH RESOLUTION OCT AND COLOR FUNDUS PHOTOGRAPHY

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.

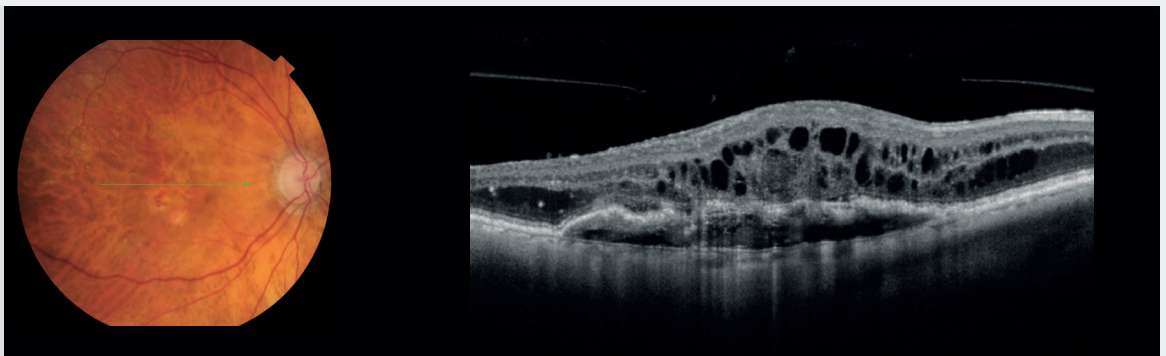
85-years old,
male, OD, Branch
Retinal Vein
Occlusion (BRVO)



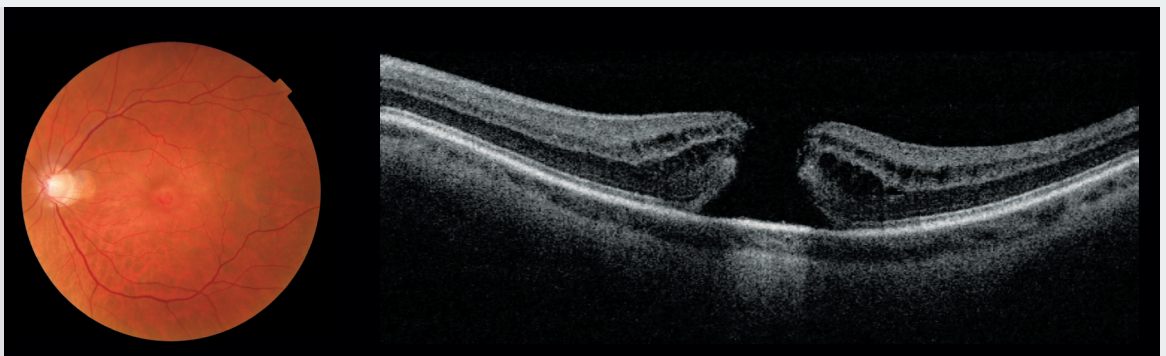
62-years old,
male, OS, Diabetic
Retinopathy (DR)
and circinate
exudate



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

(Note 1) Digital Red-free photography that processes a color image and displays it in pseudo-red-free condition.

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

(Note 3) This is used only for recording the position where a tomogram is captured.

Infinite Screen Positioning for Ultimate Flexibility





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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

3D Optical Coherence Tomography
3D OCT-1(Type:Maestro2)
MCA #3936

