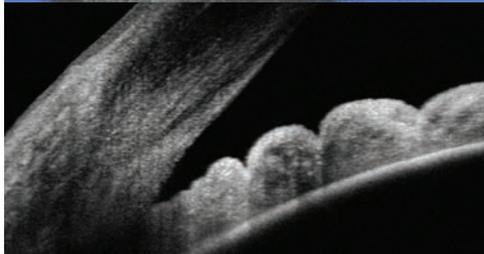
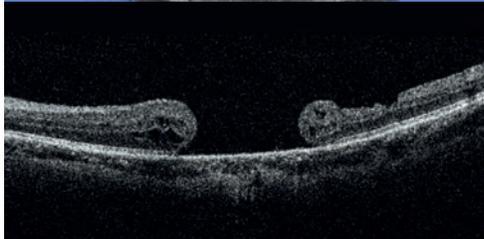
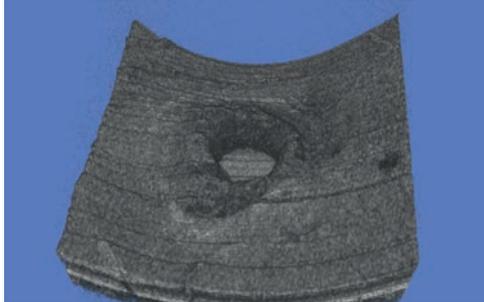


3D OCT-1 MAESTRO

Optical Coherence Tomography



Optical Coherence Tomography
3D OCT-1 Maestro





Discover the OCT world at your fingertips

The first to combine OCT with color fundus photography, Topcon has now set the standard for providing an easy to use, patient friendly, automated and comprehensive OCT.

Features

- » Fully automated operation
- » Combination OCT and color fundus
- » Compact and space saving design
- » 50,000 a-scans/sec.
- » Reference database for retina, RNFL, GCL+, and GCL++ thicknesses
- » Automatic layer segmentation
- » Widefield OCT
- » Anterior segment OCT
- » Panoramic fundus imaging

Fully automated operation

Full-Auto capturing

The 3D OCT-1 Maestro requires nothing more than a single touch to capture. Alignment, focus, optimizing and capturing are performed in an automatic procedure. After capturing, the report can be immediately displayed by clicking on the icon.



**The 3D OCT-1 Maestro is the most user-friendly OCT on the market.
With one touch of the screen, the auto alignment, auto focus and auto capture is activated.**

3D OCT-1 Maestro

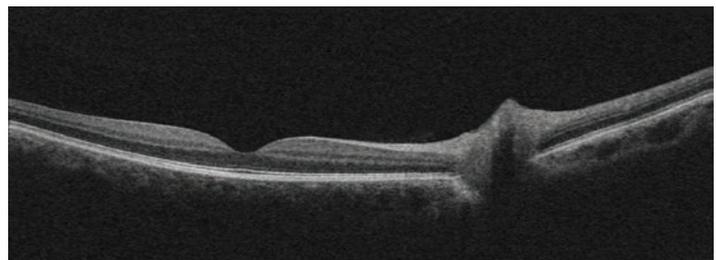
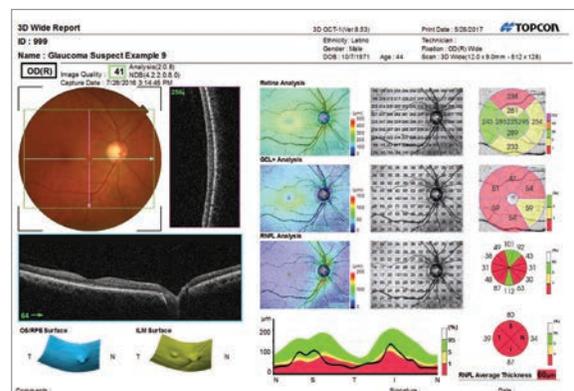
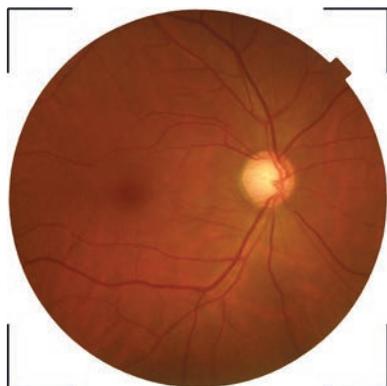
Manual/semi-auto capturing

Though the OCT is fully automated, it is possible to activate manual functions for special cases. With manual/semi-auto, the 3D OCT-1 Maestro completes alignment, focus and optimizing automatically or manually, then allows for an operator to start capturing at their convenience. This enables the operator to easily find the best timing or positioning to capture when communicating with difficult patients.



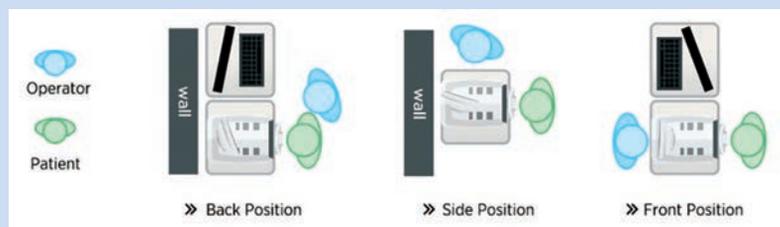
Widefield OCT scan

The 3D OCT-1 Maestro can capture a 12mm x 9mm widefield OCT scan which encompasses both the macula and disk. This scan is outstanding for an annual eye exam and reduces patient testing time. It provides thickness and reference data for the retina, RNFL, GCL+, and GCL++.



Compact and space saving design

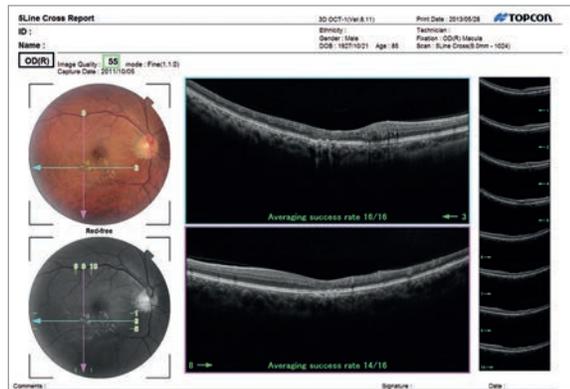
Due to the rotatable touch screen control panel, the operator can use the 3D OCT-1 Maestro from several positions: the classic position, positioned behind the patient, and from the side. This results in a superb patient interaction and a space saving set up. The compact design and small footprint of the 3D OCT-1 Maestro allows it to be installed on a refraction unit, in the corner of a room or against a wall.



Rich analysis and report functions

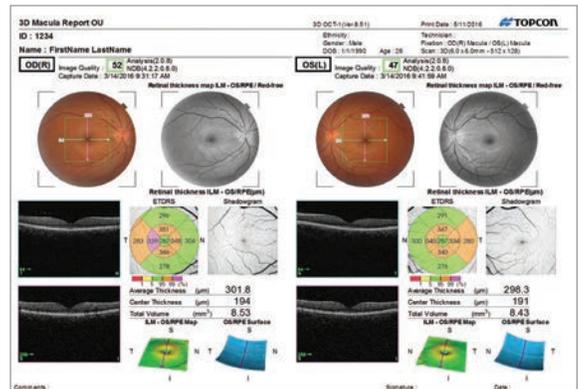
Rich analysis and report functions

The 3D OCT-1 Maestro provides rich analysis functions for Macula and Glaucoma. Comprehensive, predefined reports can be quickly printed or sent to your EMR.



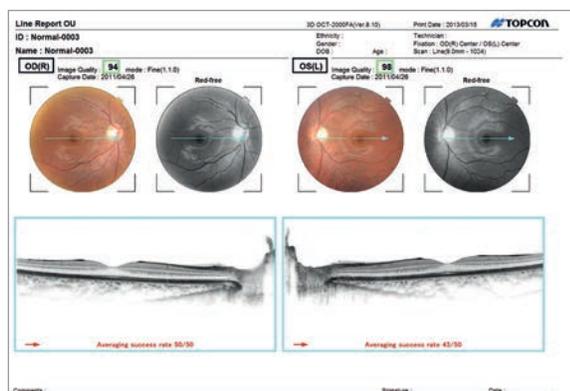
5 Line cross scan

5 line scan (6mm, 9mm) horizontally and vertically in an instant.



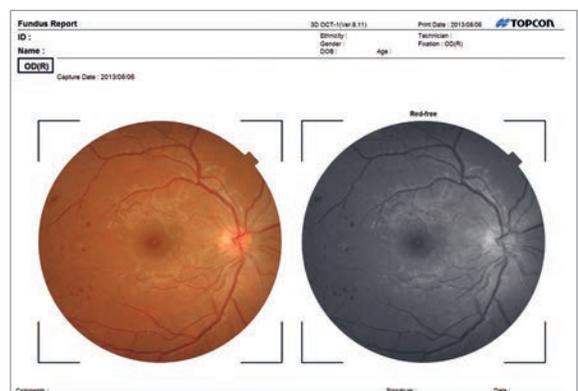
3D Macula analysis

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.



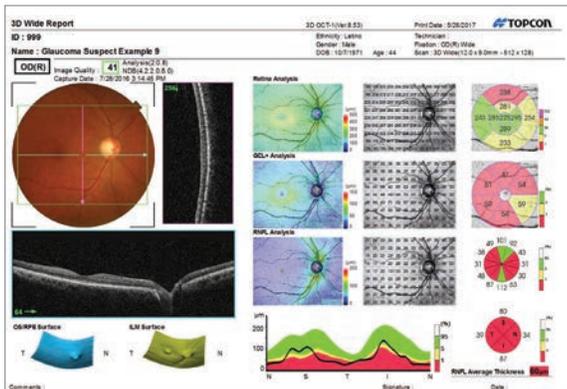
Line scan

High resolution B scan (6mm, 9mm) with a maximum of 50 times oversampling.



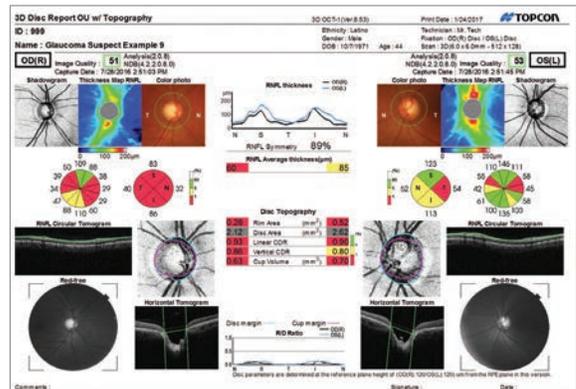
Color fundus photography/ peripheral fundus photography

Non mydriatic color fundus photography and peripheral fundus photography comes standard with the 3D OCT-1 Maestro.



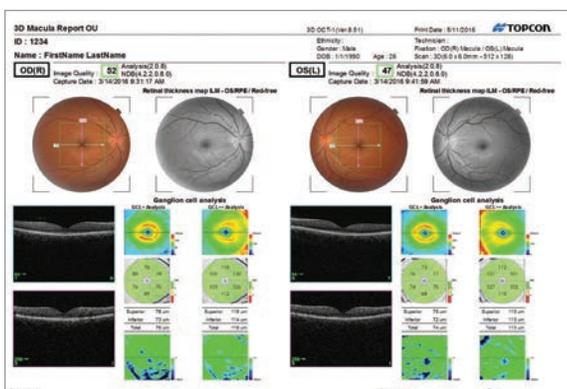
3D Wide scan (12mm x 9mm)

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.



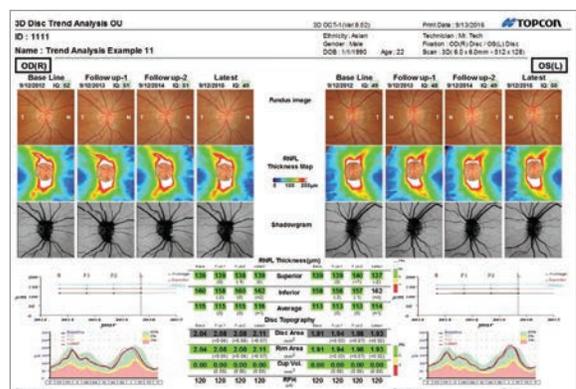
3D Disc analysis

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



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.



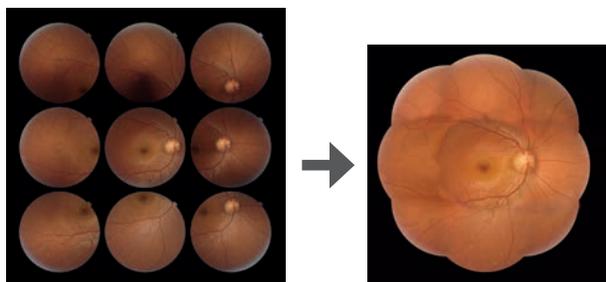
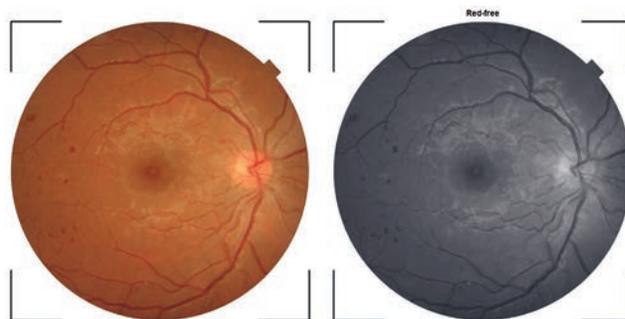
Trend analysis (RNFL)

Baseline and up to three most recent visits can be compared and analyzed over time. Trends of disc parameters and reference database is also provided.

High resolution OCT and true color fundus images

True color fundus photography

The 3D OCT-1 Maestro has an integrated full color fundus camera. With one finger touch you can simultaneously acquire a posterior OCT image and a true color fundus image. This allows pin-point registration and structural confirmation of the pathology. Small pupil function is also available.

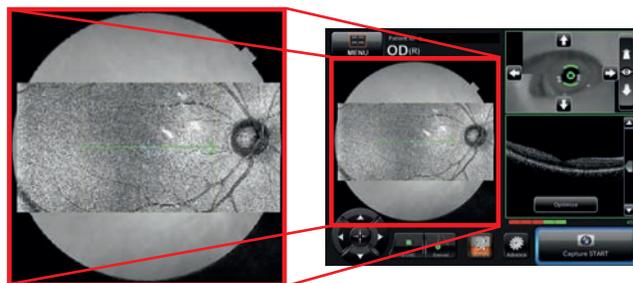


Peripheral fundus photography

The 3D OCT-1 Maestro 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.

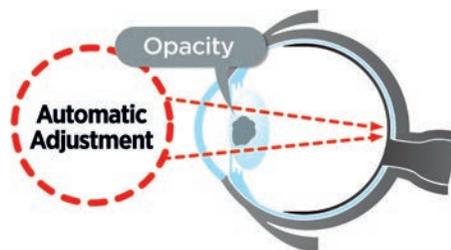
Live Fundus View™

OCT-LFV is a live projection image of the retina. It gives a clear live fundus image making the disc, retinal vessels and scanning position easy to see if required.



Cataract mode

The cataract mode will automatically move the scanning position on the upper/lower (or L/R) area in case there is opacity in the eye due to cataract.



High resolution OCT and color fundus photography

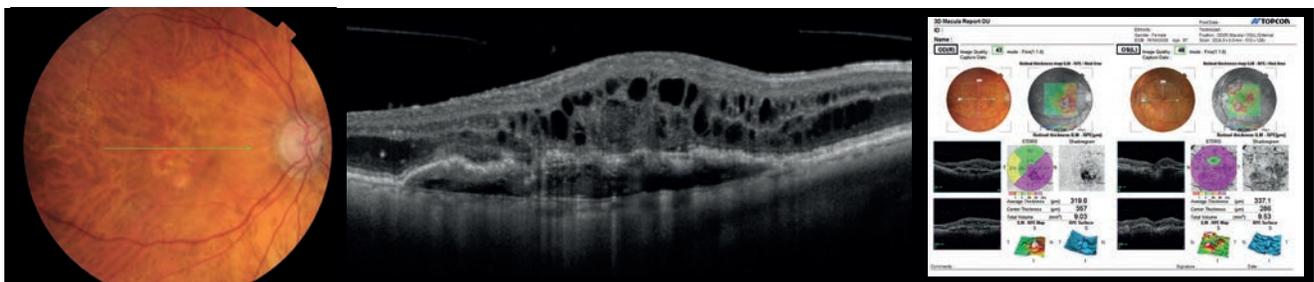
The 50,000 A-scans/sec. speed produces a high resolution B-scan and smooth 3D graphics, facilitating the observation of pathology and each layer of the retina. High quality color fundus photography gives fundamental and additional information. The OCT and color fundus are an inseparable combination for daily diagnosis.



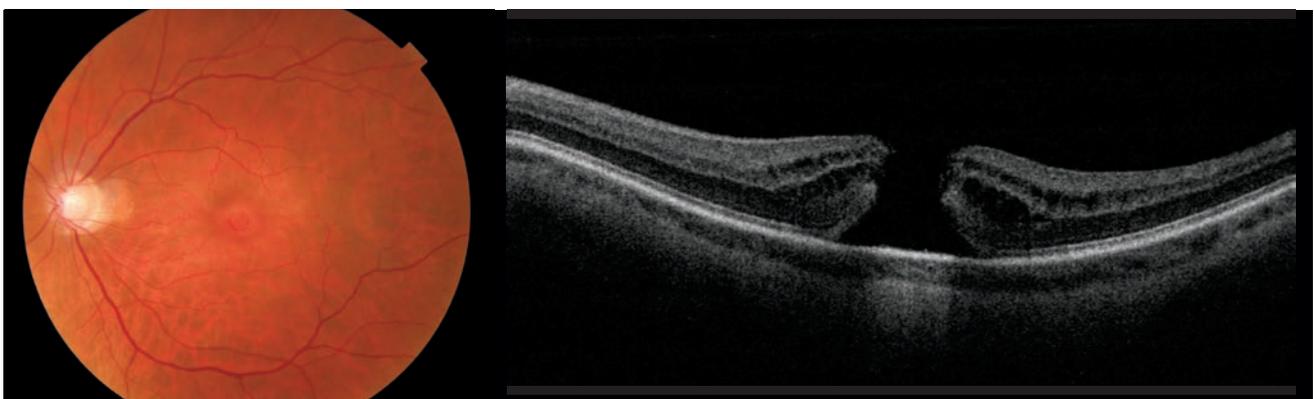
85-years old, male, OD, branch retinal vein occlusion



62-years old, male, OS, diabetic retinopathy and circinate exudate



97-years old, female OD, age related macular degeneration



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

Specifications

Observation and Photography of Fundus Image

Scan Mode	Color, Red-free ¹
Picture Angle	45°/30° or equivalent (digital zoom)
Operating Distance	34.8mm (in fundus photography) 62.6mm (in anterior segment photography)
Photographable Diameter of Pupil	ø4.0mm or more ø3.3mm or more with small pupil mode

Observation and Photographing of the Fundus/Anterior Segment Tomogram

Scan Range	(on fundus)	Horizontal direction 3 - 12mm Vertical direction 3 - 9mm
	(on cornea)	Horizontal direction 3 - 6mm Vertical direction 3 - 6mm
Scan Speed	50,000 A-Scans per second	
Lateral Resolution	20µm	
In-depth Resolution	6µm	
Photographable Diameter of Pupil	ø2.5mm or more	
Internal Fixation Target	Dot matrix type organic EL (The display position can be changed and adjusted. The presenting method can be changed.)	

Electric Rating

Source Voltage	AC 100-240V
Power Input	70-150VA
Frequency	50Hz-60Hz

Dimensions and Weight

Dimensions	12.1"-17.4" (W) x 18.5"-26.3" (D) x 20.4"-28.4" (H)
Weight	46.3 lbs.

1. Display digital red-free

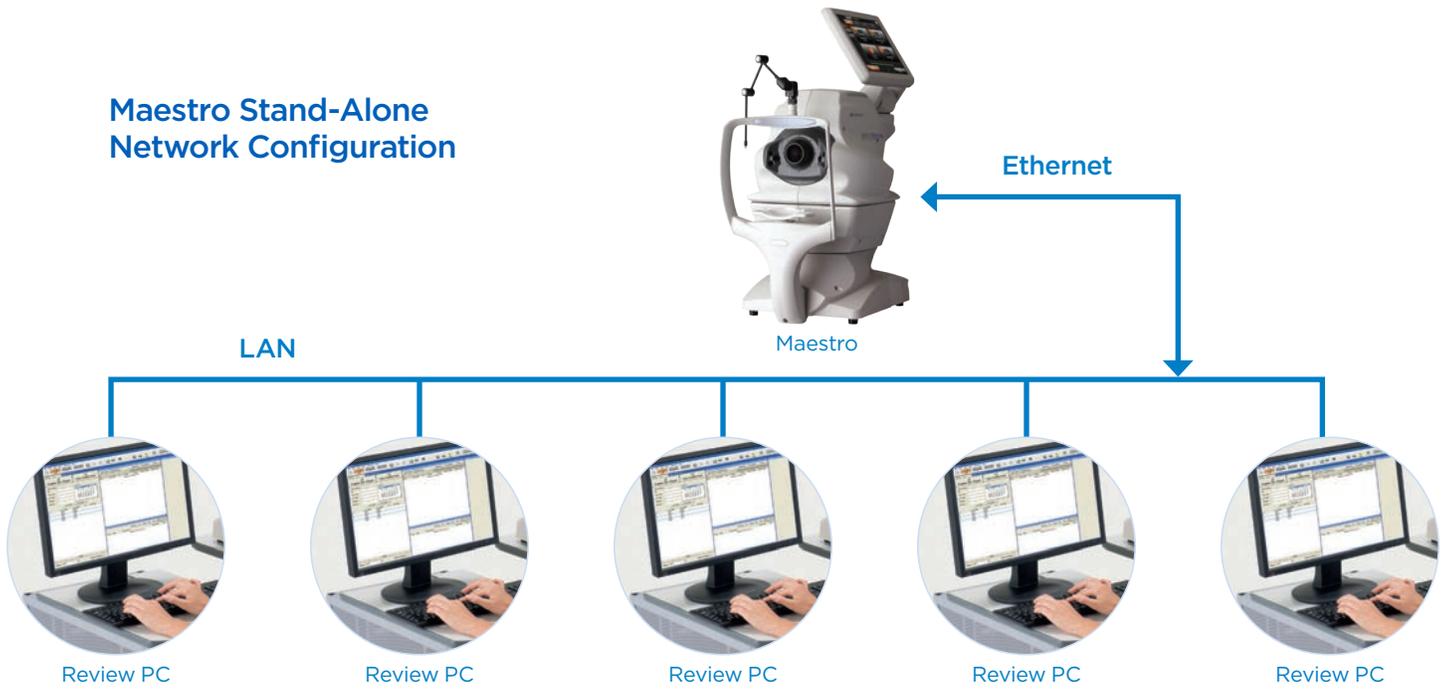
IMPORTANT

Subject to change in design and/or specifications without advanced notice. In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

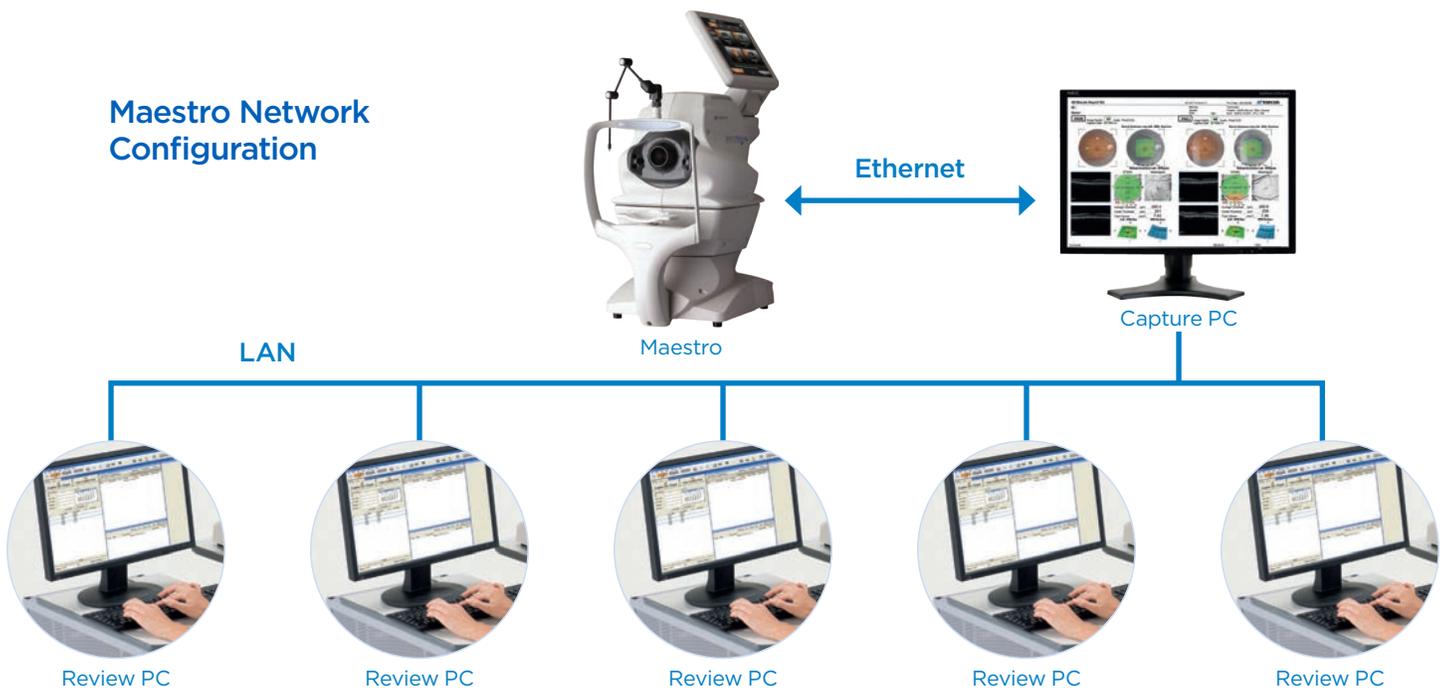


Configurations

Maestro Stand-Alone Network Configuration



Maestro Network Configuration





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