

Explanation of 3D OCT-1 Maestro Capture Icon Selection Screen

Macular Diseases

*Example



Glaucoma

*Example



- 1 Screening / Quick Follow Up
- 3 Comparison With Normative Database

- 2 Fast Quantitative Analysis
- 4 High-Quality Image

- 5 3D Wide
- 7 Comparison With Normative Database

- 6 Preperimetric Glaucoma
- 8 Color Fundus

Recommended Icons of Typical Diseases



(Note)

- AMD (Age-related Macular Degeneration)
- BRVO (Branch Retinal Vein Occlusion)
- CRVO (Central Retinal Vein Occlusion)
- CSC (Central Serous Chorioretinopathy)
- DR (Diabetic Retinopathy)
- MH (Macular Hole)
- PPG (Preperimetric Glaucoma)

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3D Wide

The 12×9mm wide scan enables the user to capture a wider range of the image from optic disc to macula with a single shot. With this 12mm wide range, you can easily observe the extent of temporal RNFL loss. The vertical scanning will let you intuitively detect an asymmetrical part of the tomogram which is especially useful in detecting early glaucoma. This new capturing pattern will strongly enhance your clinic workflow and reduce patient fatigue.



Comparison With Normative Database

3D Data gives you a better understanding of macular disease conditions (i.e. observation of edema, drusen, atrophy, leucoderma etc.), allows you to monitor changes in the disease, and monitor traction. With such as large number of scans, it reduces the risk of missing ocular changes. Options as rotation of the tomogram in any direction of X, Y, Z site, enlargement, reduction, or transfer can be performed making this the most versatile scan pattern. With 3D macular scan of 512 × 128, 6.0 × 6.0mm it is also possible to use the mixed ethnicity normative database as well as drusen analysis.



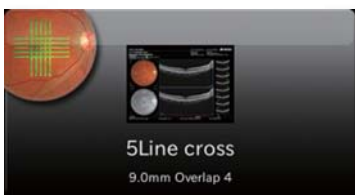
Fast Quantitative Analysis

Radial scanning is recommended if you wish to scan and analyze data even faster than 3D scanning but need more detailed information than just screening. You will instantly have an ILM-RPE thickness map and value displayed on the report for further quantitative analysis.



Fast Acquisition with High-Quality Image

The 3D OCT-1 Maestro can overlap up to 50 images, enabling beautiful clear scans with fast scanning speed. Having a 9mm broader view of high quality B-scan images, provides an optimal image for detailed observation.



Screening / Quick follow up

Cross scan can be used for the purpose of screening. In cases where the patient is already diagnosed and there is no additional need to obtain new 3D data information, this scan pattern can be useful for a quick follow-up.

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Comparison With Normative Database

3D Disc 512×128 , 6.0×6.0 mm can be useful for glaucoma patients. It provides additional options: editing position of circle, RNFL trend analysis and compare functions. The captured results can also be compared with normative database.



PPG (Preperimetric Glaucoma)

RNFL / GCL + / GCL ++ analysis is very useful for therapeutic management and early glaucoma detection. Vertical scanning makes it easier to discover asymmetry. It can also be used for patients with tilted discs such as high myopia subjects who are difficult to perform optic disc analysis.



Color Fundus

It can be useful for capturing single color fundus.

【During the capture of single color fundus images】

To make it more comfortable for patients, the ISO sensitivity is set low as a default when capturing a tomogram. However, for a single color fundus image, the ISO sensitivity is set high automatically in order to capture the image with higher quality.