#### **Technical Parameters**

| Measurement characteristics   | Axial resolution: 6μm (in tissue)<br>Horizontal resolution : 13μm   |
|-------------------------------|---|
| Scanning characteristics      | Maximum A scanning speed: 20KHz, tolerance $\pm$ 5% Maximum scanning depth: 2.65mm (in tissue), tolerance $\pm$ 3% Maximum scanning range: 13mm $\times$ 13mm, tolerance $\pm$ 5% |
| Light source characteristics  | Center wavelength: 840nm, tolerance ±10nm  Half width: 35nm, tolerance ±5nm  Optical power: ≤750μw (at the cornea)  Refractive compensation range: ≥-12D~+12D                     |
| Fundus image Light source     | Center wavelength 760nm, tolerance ±5nm<br>Optical power: ≤50μw   |
| Retinal thickness measurement | Retinal thickness measurement tolerance: ± 3% (in tissue) Retinal thickness measurement repeatability: ≤ 2%   |

For more information about ZD Medical, please follow our WeChat public accounts and visit our official website: www.zd-med.com.

\*Design and parameters are subject to change without prior notice.



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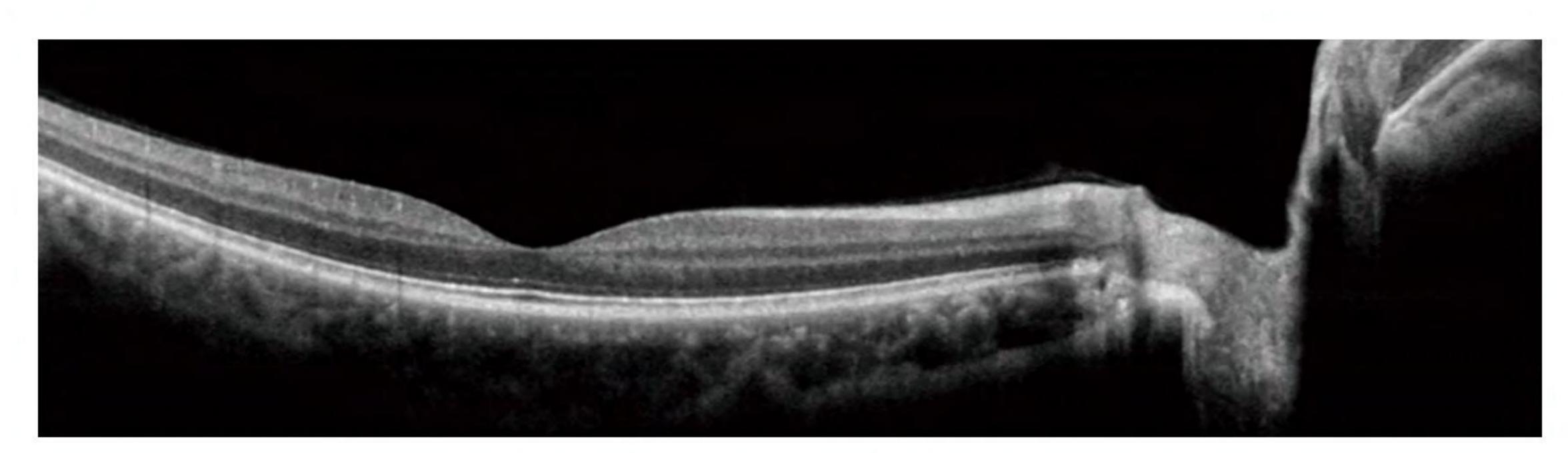
# Optical Coherence Tomography OCT2030

Simple and speedy, meet the basic clinical needs of OCT

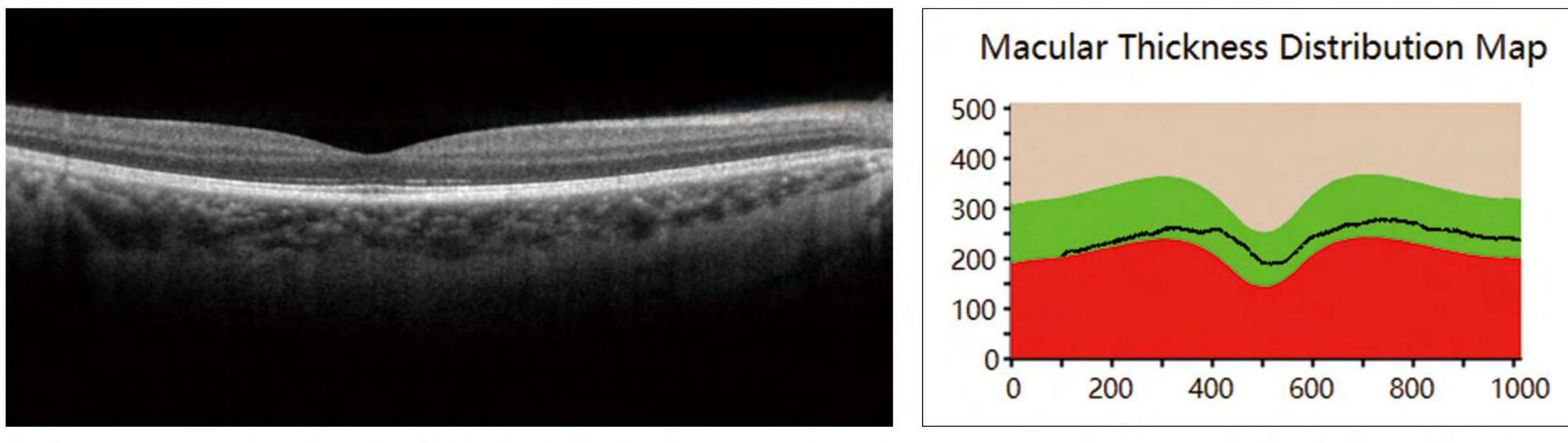




The AlphaOCT<sup>™</sup> is an ophthalmic optical coherence tomography scanner tailored for rapid screening of fundus diseases in outpatient clinics. It is easy to use, clear in image, smooth and delicate in operation, and equipped with professional analysis software to meet the requirements of OCT in the clinical examination and analysis of ophthalmology.



12mm×12mm (From AlphaOCT)



6mm×6mm (FromAlphaOCT)

Macular Thickness Distribution Map

## Craftsmanship and clear imaging

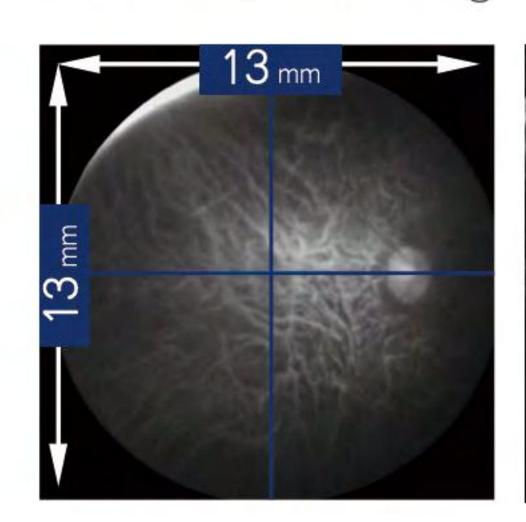
The AlphaOCT $^{\mathsf{TM}}$  gives you clear, dynamic, high-quality fundus images. The scanning range reaches 13mm  $\times$  13mm, Can meet the clinical diagnosis needs of fundus diseases.

#### Common fundus disorder

- CNV (Choroidal neovascularization)
- DR [Diabetic retinopathy]
- AMD (Age-related macular degeneration)
- PCV [Polypoid choroidal vasculopathy]
- CSC 【Central serous retinopathy】
- Retinal cleft palate
- Macular hole
- Vitreous macular traction

### Diagnosis of fundus disease

AlphaOCT<sup>™</sup> accurately identifies retinal disorders, helps to screen and reduce the missed diagnosis of retinal diseases at the outpatient clinic, and can greatly improve the efficiency of clinical use.





Macular lamellar hole, partial deletion of retinal tissue

## Optimized functions, popular and practical

Flexible optics parts, easy to operate, easy access to patient fundus images Easy to use, intuitive, fast focus

One-click collection saves outpatient time

## Smart reading (Optional)

A fundus disease intelligence software developed based on deep learning to identify specific structures of retinal images faster and more efficiently.

