### **Specifications**

OCT Model: YG-100K

YG-100K
Swept Source
1060nm
-scan
100,000 A-scans/sec
17mm
24mm
12mm
15mm
-20D to +15D
≤6µm
1.9µm
10µm
maging
ine-scanning ophthalmoscope (LSO)
850nm
40° ×40°
2.0mm
60Hz
ography
18mm×18mm
15mm×15mm
1024×1024
Functions
V
V
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TowardPi Medical Technology Ltd.

Website: www.towardpi.com E-mail: info@towardpi.com





#### **Vertrieb & Service in Deutschland:**

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Telefon: 0451 80 9000 E-Mail: call@bon.de Internet: www.bon.de



# YAlkaid

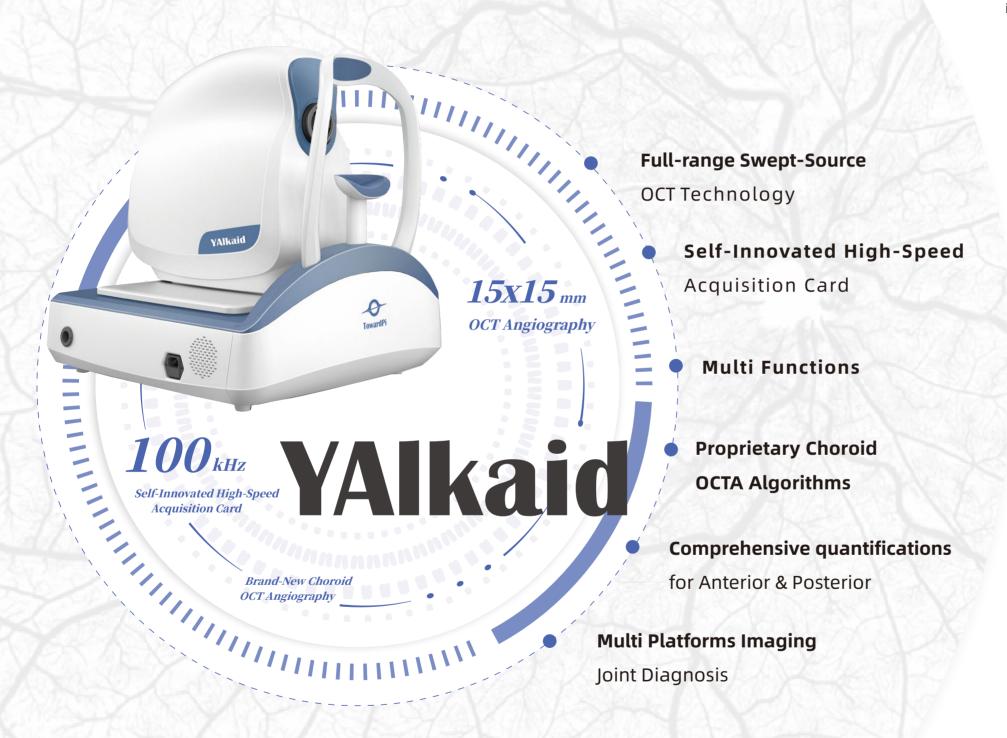
100kHz | Full Range SS-OCT/OCTA





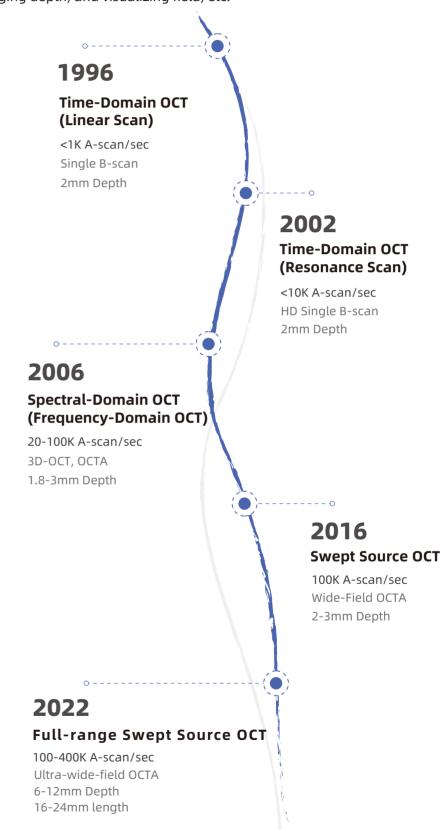
### **YAlkaid**

■ 100kHz Full-range Swept-Source OCT/OCTA



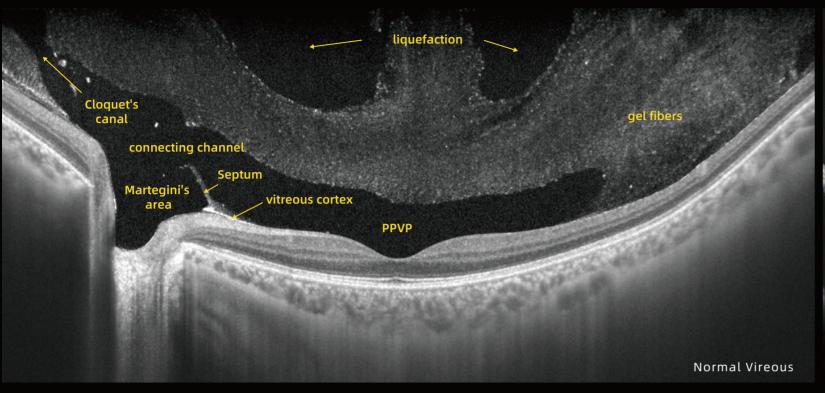
### **Development History of OCT Technology**

OCT technology is a paradigm of medicine, engineering integration and continuous innovation. Full-range swept-source OCT technology reveals significant advantages in multiple dimensions such as scanning speed, imaging depth, and visualizing field, etc.

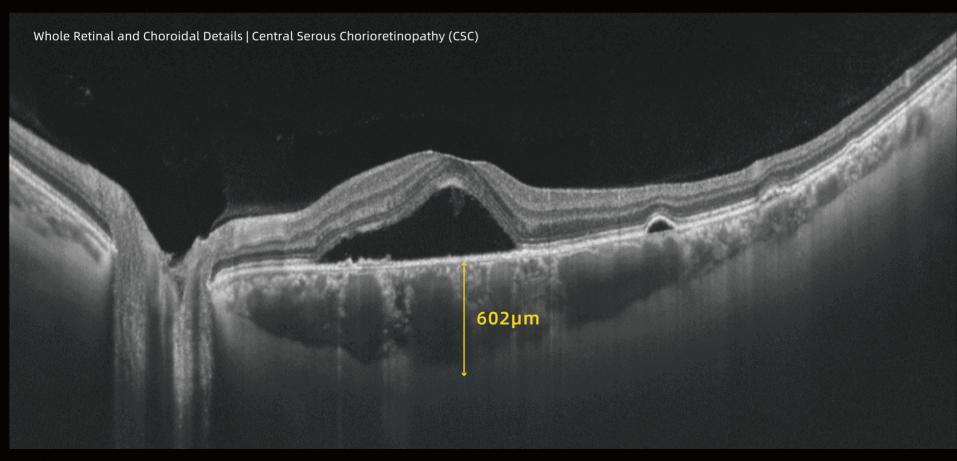


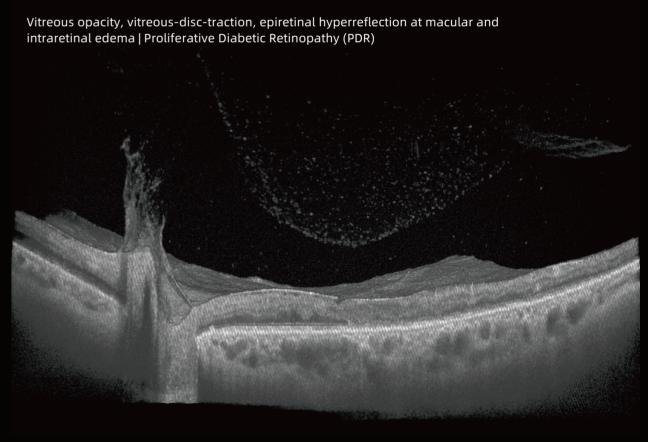
### High-resolution Imaging with Full-range Swept Source OCT

Deep Depth High-resolution



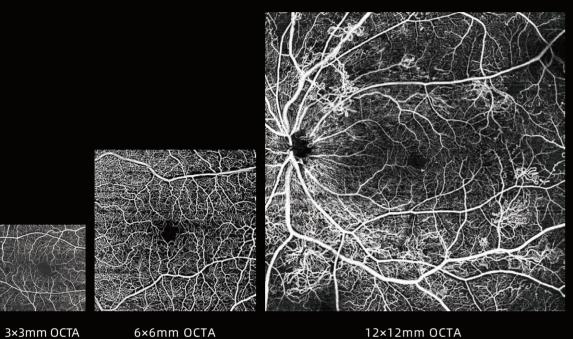


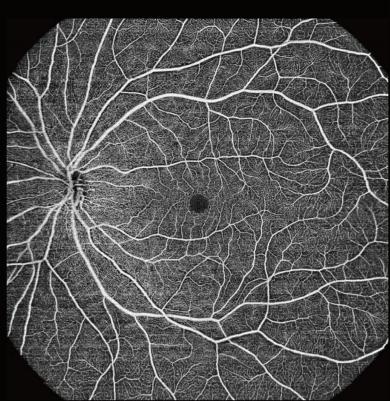




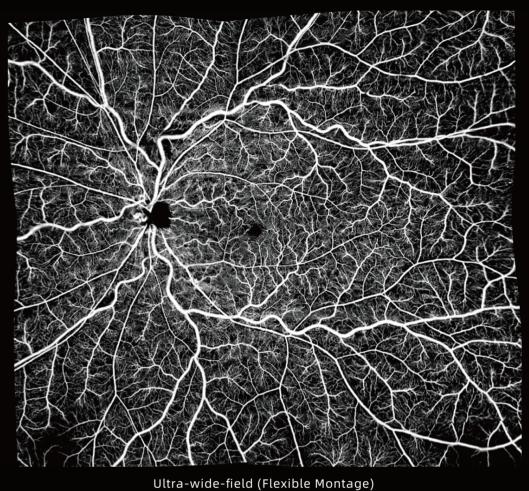
### Full-range Swept Source OCT Angiography

Fast Non-invasive Efficient

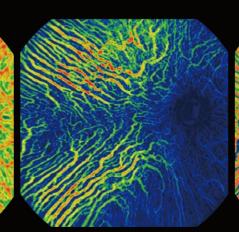


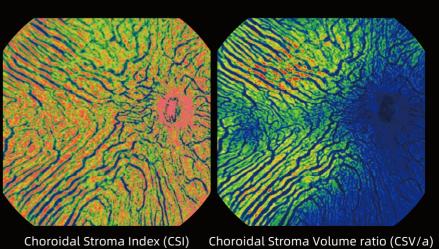


15×15mm OCTA



## Choroid Vessel Index (3D-CVI) Choroid Vessel Density (2D) Choroid Vessel Volume ratio (CVV/a)





### **Brand-New Choroid OCTA with Quantification Parameters**

Exclusive algorithm in the world, reveal the truth of choroid

Choroid OCTA 06

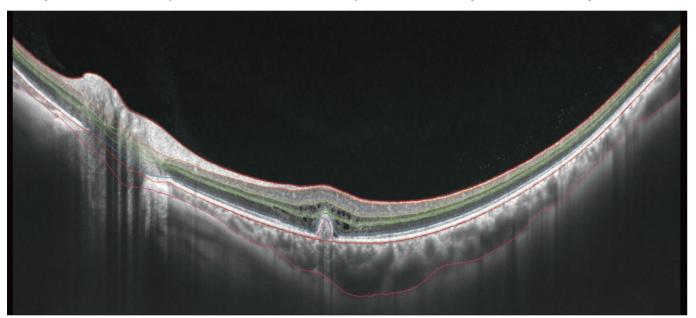
### **All-Slabs Quantitative Analysis for Posterior Segment**

### In-built AI Segmentation Algorithm, More Accurate, More Reliable

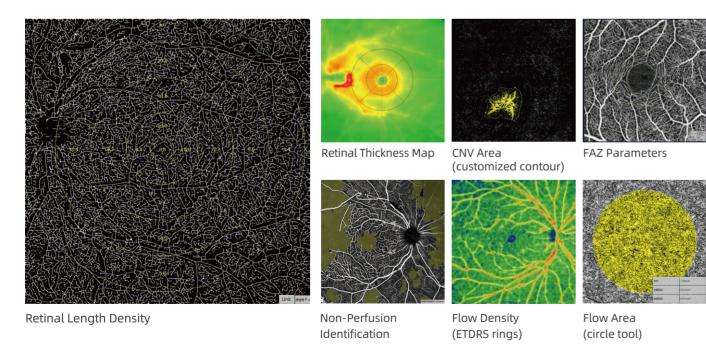
Provide automatic thickness and volume measurement including ETDRS rings for the inner, outer, and whole retina.

Provide flow area measurement, flow density quantification and automatic FAZ parameters (area, perimeter circularity, FD-300, etc.).

Provide quantifications for choroid (automatic and manual), including choroidal thickness measurement, flow density, and flow volume quantifications for choroidal capillaries, Haller's layer, and Sattler's layer.



Al-based Segmentation



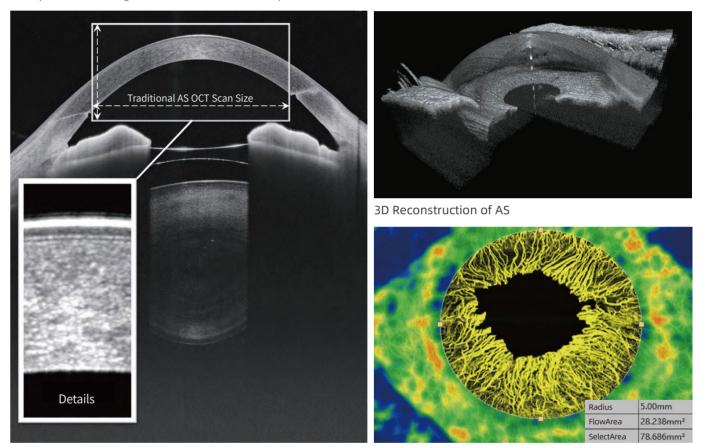
### **Analysis and Qualifications for Panoramic Anterior Segment**

### High Resolution Imaging of the Whole Cornea, Anterior Chamber, Lens, etc.

Provide corneal morphological analysis, keratoconus analysis, corneal thickness, and epithelial thickness measurement, etc.

Provide automatic and manual measurements: anterior chamber depth and volume, lens thickness, lens vault, ICL vault, angular recess width, scleral spur distance, etc.

Provide 3D reconstruction, automatic anterior chamber angle measurement, angle opening distance, trabecular iris space area, angle recess width, scleral spur distance, etc.



High Resolution Panoramic Anterior Segment

AS OCTA and Quantification | Corneal Neovascularization

Cornea Thickness Map and Epithelium Thickness Map

Automatic Measurement

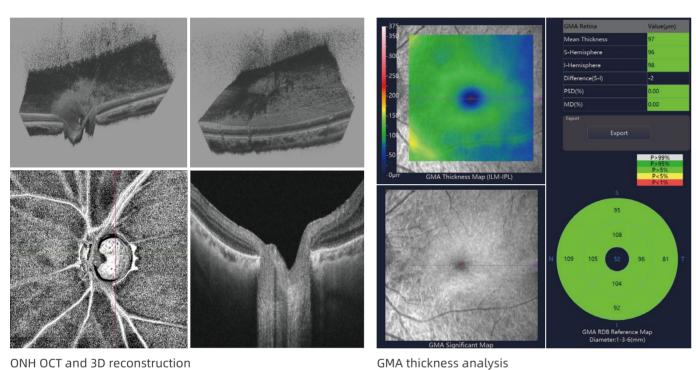
### **Comprehensive Glaucoma Analysis**

Precision quantitative glaucoma progress management and early diagnosis with smart iHealth. Analysis and comprehensive structural and flow analysis.

Provide GMA and ONH analysis for scan sizes larger than 15mm×9mm.

Provide automatic identification of optic cup and disc, cup disc ratio (area, vertical, horizontal), cup volume, etc.

Provide RNFL analysis, ganglion cell complex analysis, ONH flow quantifications, etc.



ONH OCT and 3D reconstruction

ONH analysis (structure & flow)

iHealth analysis (15mm x 9mm scan size)

### **Multi-Platforms Imaging Management**

Multi-Platforms Imaging: OCT, OCTA, color fundus (CF), fundus fluorescein angiography (FFA), indocyanine green (ICG)), fundus autofluorescence (FAF), optical coherence biometer (OCB), surgical microscope, and other imaging platforms' combinations. Big Data Fusion: Accurate image matching, precise quantification, support electronic medical record (EMR) systems and medical image formats (DICOM, etc.).

Joint Accurate Diagnosis: Improve the sensitivity and specificity of diagnosis, evaluate eye diseases more comprehensively and precisely, improve efficiency and accuracy, and provide patients with better diagnosis and treatment experience.

