# **Specifications**

	OCT Model: BM-400K	
OCT optical source	Swept Source	
Center wavelength	1060nm	
	OCT B-scan	
Scan speed	400,000 A-scans/sec	14/1
Max. Length (posterio	or) 24mm	
Max. Length (anterio	r) 24mm	
Scan depth (posterio	or) 6mm	
Scan depth (anterior	r) 6mm	
Refractive adjustment ra	-35D to +45D	
Axial optical resolution	on ≤6µm	
Transverse optical resol	ution 10µm	
	Fundus Imaging	
Methodology	Scanning Laser Ophthalmoscopy (	SLO)
SLO wavelength	850nm	
SLO FOV	60° ×60°	
Minimum pupil diame	eter 2.0mm	
Eye tracking speed	128Hz	
	OCT Angiography	
Max. Single scan size (an	terior) 18mm×18mm	
Max. Single scan size (pos	sterior) 24mm×20mm	-101
Maximum resolution (singl	le scan) 1536×1280	
Max. scan size (monta	ge) 42mm×40mm	
11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	Software Functions	
Anterior segment (AS) quan	tification 🗹	1
AS panoramic parame	ters ☑	
Thickness/volumn measureme	ent (retina)	14
Thickness/volumn measureme	nt (choroid) ☑	
Glaucoma analysis (GMA, O	NH, etc.) ☑	
Blood flow quantification (	(retina)	
Blood flow quantification (	choroid)	
Blood flow quantification (o	ptic disk)	
Blood flow quantification	n (AS)	
Posterior curvature		
3D structure		
3D vessel	V	



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





# BMizar

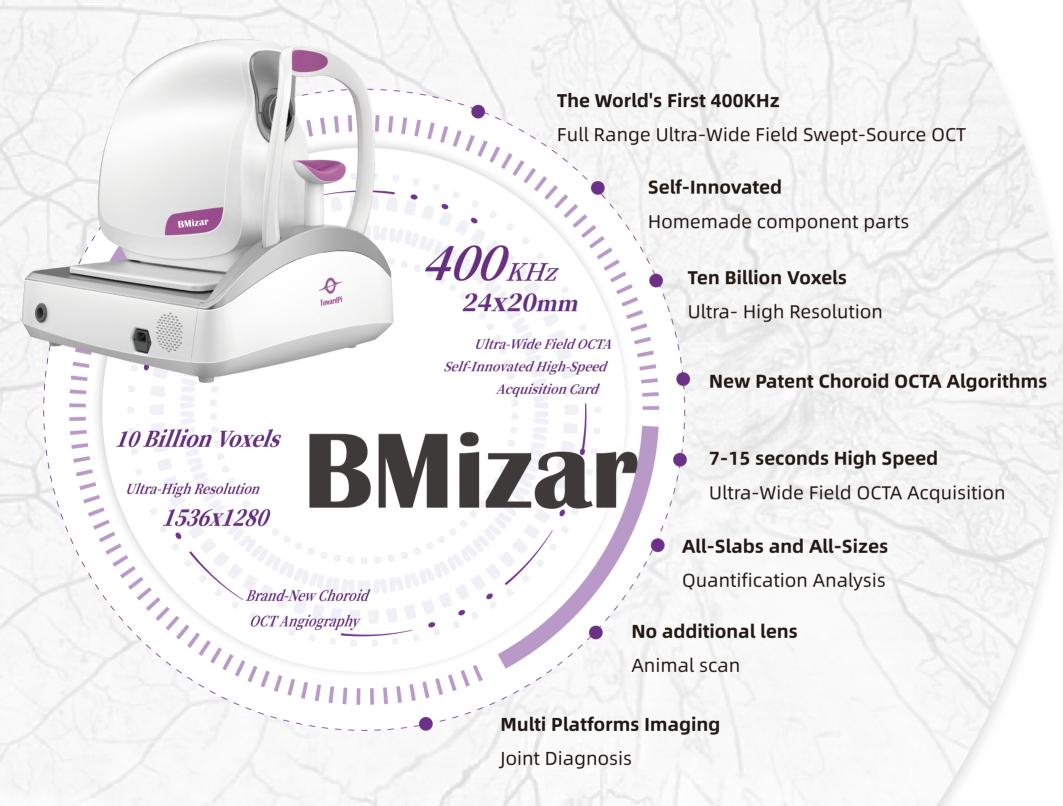
400KHz | Full Range SS-OCT/OCTA





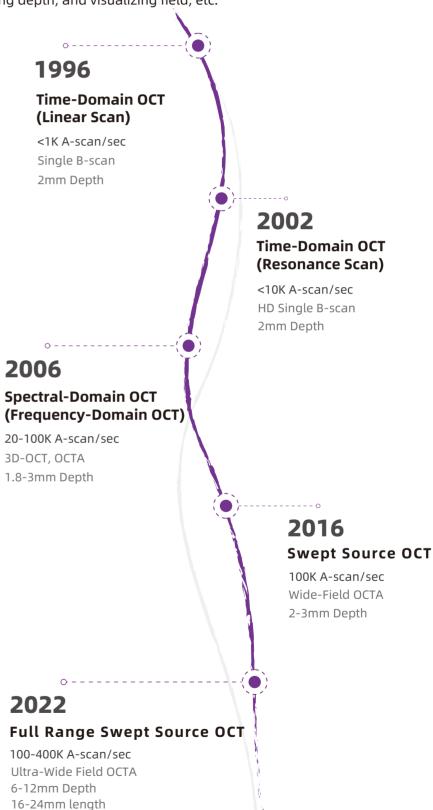
## **BMizar**

400KHz Full Range Ultra-Wide Field 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.



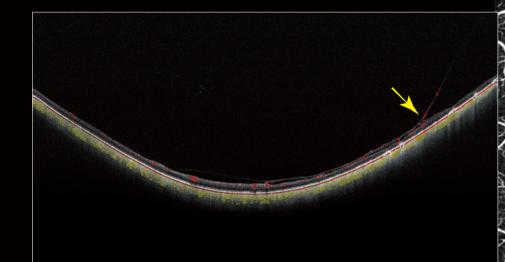
# Find More Details with Single Capture

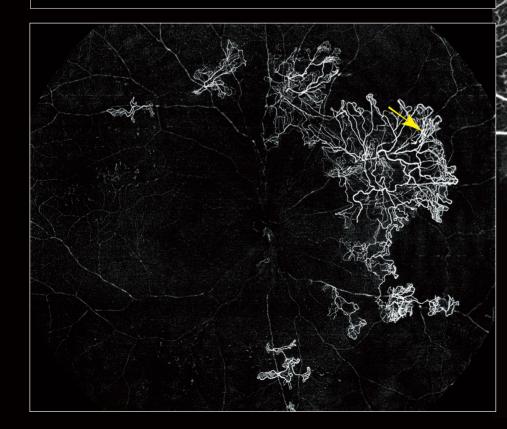
**▮** 10 Bilion maximal voxels

24X20mm ultra-wide field OCTA

**■** 1536x1280 ultra-high resolution

Fast aquisition speed (7-15 seconds)

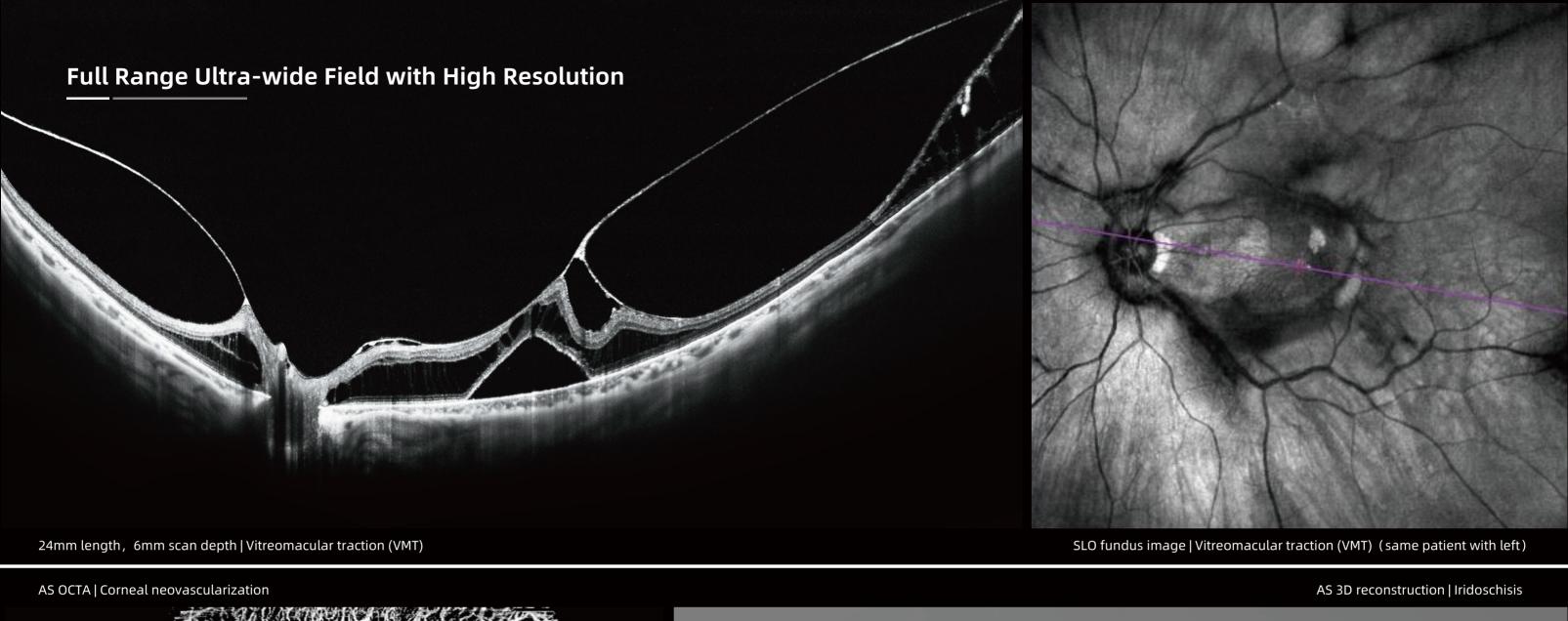






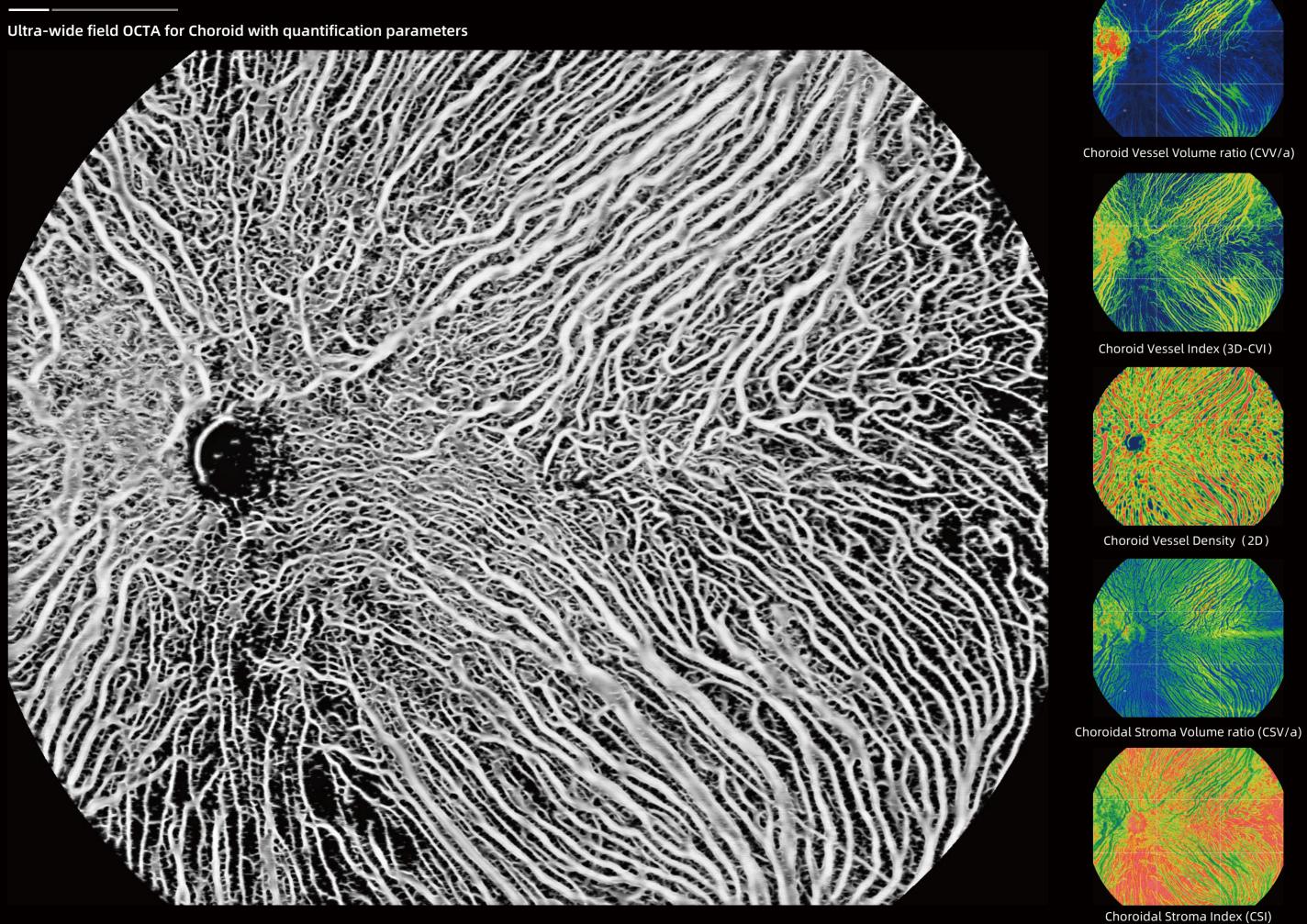
Neovascular membrane (vitreous slab)

Proliferative diabetic retinopathy (PDR)



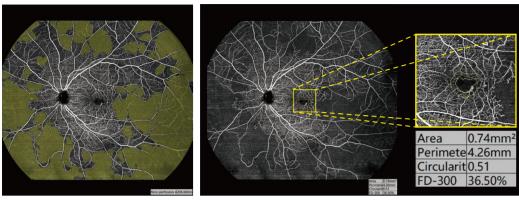


# **Reveal the Undiscovered**

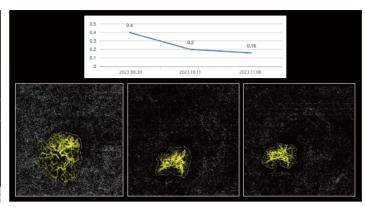


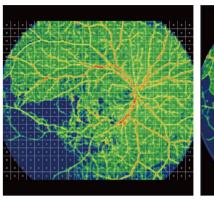
## **Comprehensive Quantitative Analysis**

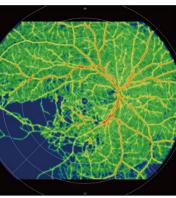
## Retinal blood flow with quantification



Ration States







Non-Perfusion Identification

FAZ parameters

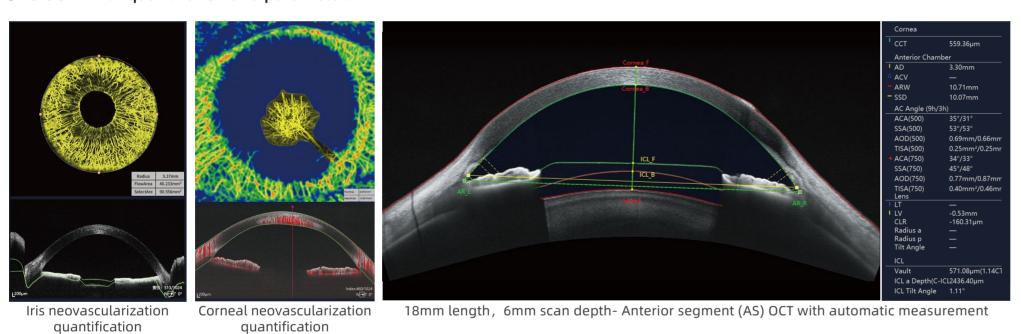
Flow Area-Vitreous neovascularization

MNV Flow Area Follow-up

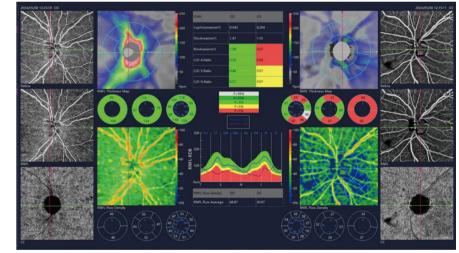
Flow density (Grids)

Flow density (ETDRS rings)

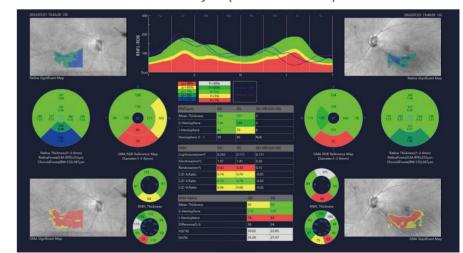
## AS OCTA with quantization and parameters



Comprehensive glaucoma analysis



ONH analysis (structure & flow)



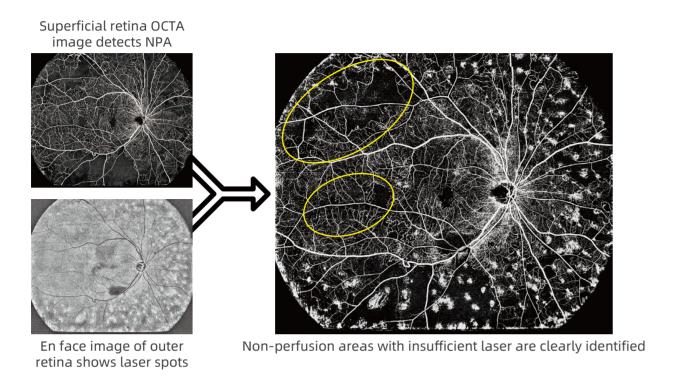
iHealth analysis (OU report)



## Innovation.

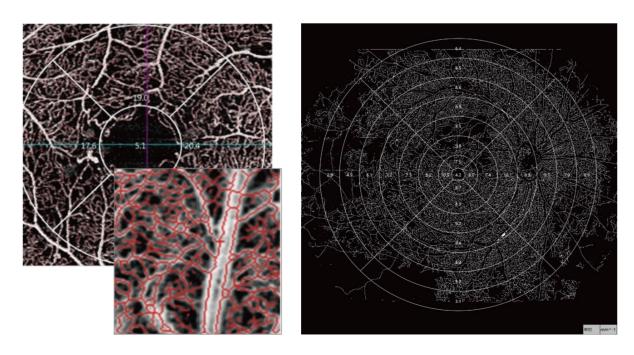
#### **I** iSpot

Precision and convenient OCTA-guided photocoagulation.



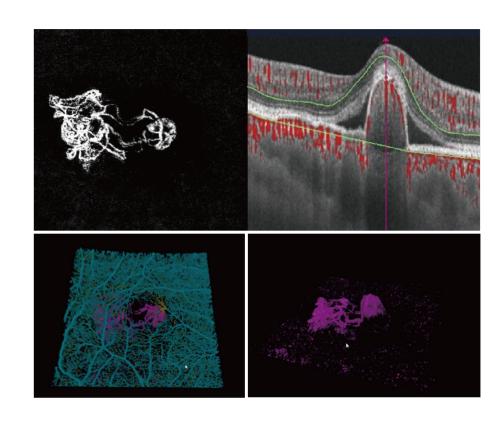
## Vessel Skeleton Density (VSD)

The ratio of the linear length in the region to the area of the region(mm<sup>-1</sup>) after the vessels are skeletalized. More sensitive to changes in the vessels number and less affected by vessel diameter.



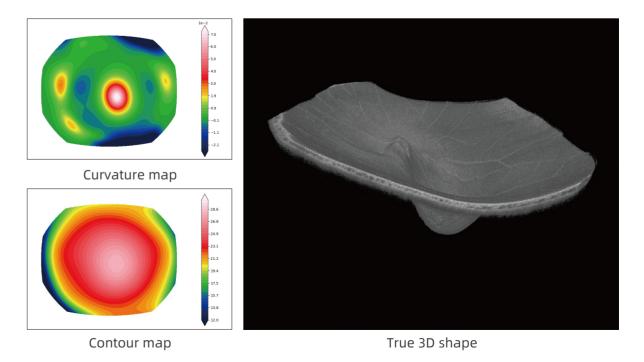
#### 3D OCTA

Visulization vessels in 3D reconstruction for customized layers.



## Retinal Morphology Trio

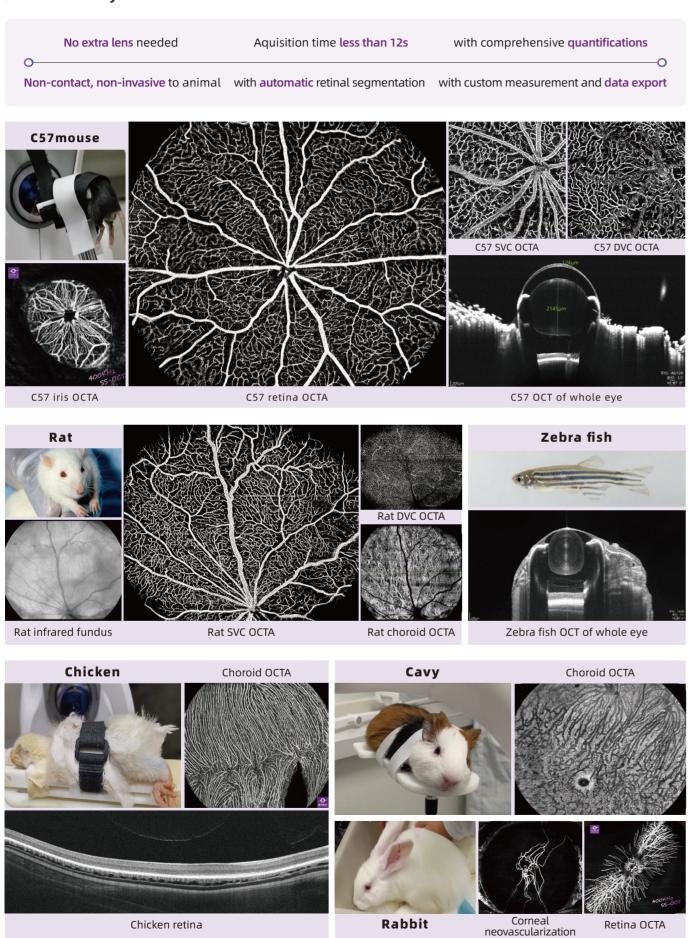
Restore the true shape of retina with built-in advanced algorithm based on 3D structure.



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## **Exploration.**

## Animal Study



#### 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.

