# **Specifications**

OCT Model: BM-400K	
OCT optical source	Swept Source
Center wavelength	1060nm
OCT B-scan	
Scan speed	400,000 A-scans/sec
Max. Length (posterior)	24mm
Max. Length (anterior)	24mm
Scan depth (posterior)	6mm
Scan depth (anterior)	6mm
Refractive adjustment range	-35D to +45D
Axial optical resolution	≤6µm
Transverse optical resolution	10µm
Fundus Imaging	
Methodology	Scanning Laser Ophthalmoscopy (SLO)
SLO wavelength	850nm
SLO FOV	60° ×60°
Minimum pupil diameter	2.0mm
Eye tracking speed	128Hz
OCT Angiography	
Max. Single scan size (anterior)	18mm×18mm
Max. Single scan size (posterior)	24mm×20mm
Maximum resolution (single scan	) 1536×1280
Max. scan size (montage)	42mm×40mm
Software Functions	
Anterior segment (AS) quantification	on 🗹
AS panoramic parameters	
Thickness/volumn measurement (ref	ina) 🗹
Thickness/volumn measurement (cho	proid)
Glaucoma analysis (GMA, ONH, etc	□.)
Blood flow quantification (retina	✓
Blood flow quantification (choroic	d) 🗹
Blood flow quantification (optic dis	sk) ☑
Blood flow quantification (AS)	$\square$
Posterior curvature	✓
3D structure	$\square$
3D vessel	



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





# BMizar

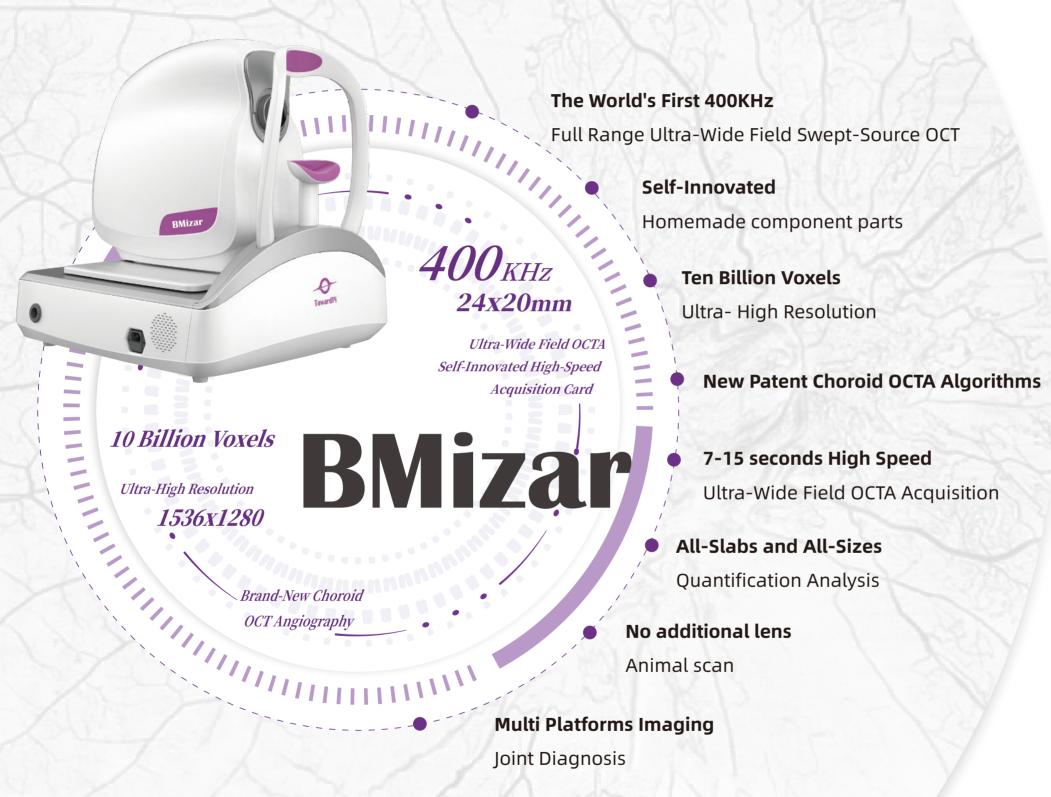
400KHz | Full Range SS-OCT/OCTA





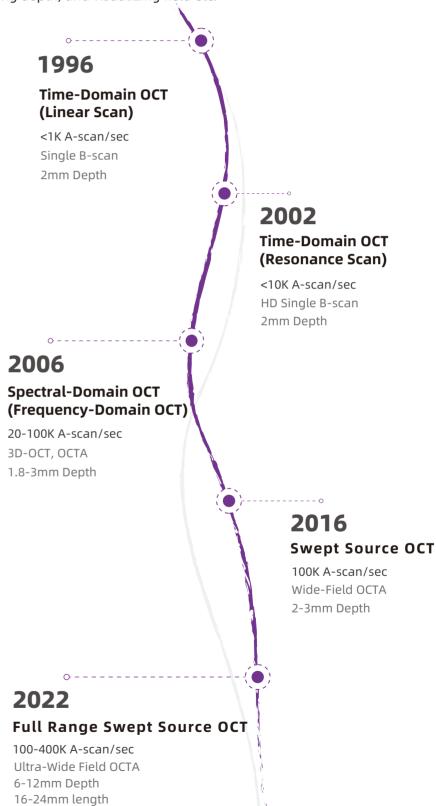
#### **BMizar**

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 scannin speed, imaging depth, and visualizing field etc.



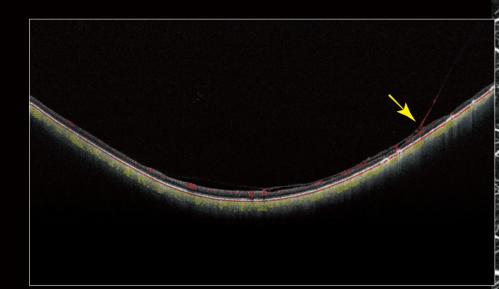
# Find More Details with Single Capture

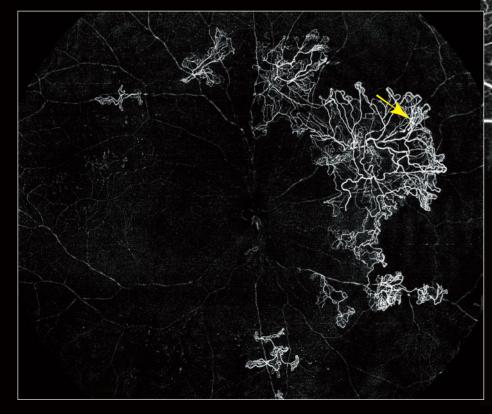
**▮** 10 Bilion maximal voxels

24X20mm ultra-wide field OCTA

**■** 1536x1280 ultra-high resolution

Fast aquisition speed (7-15 seconds)

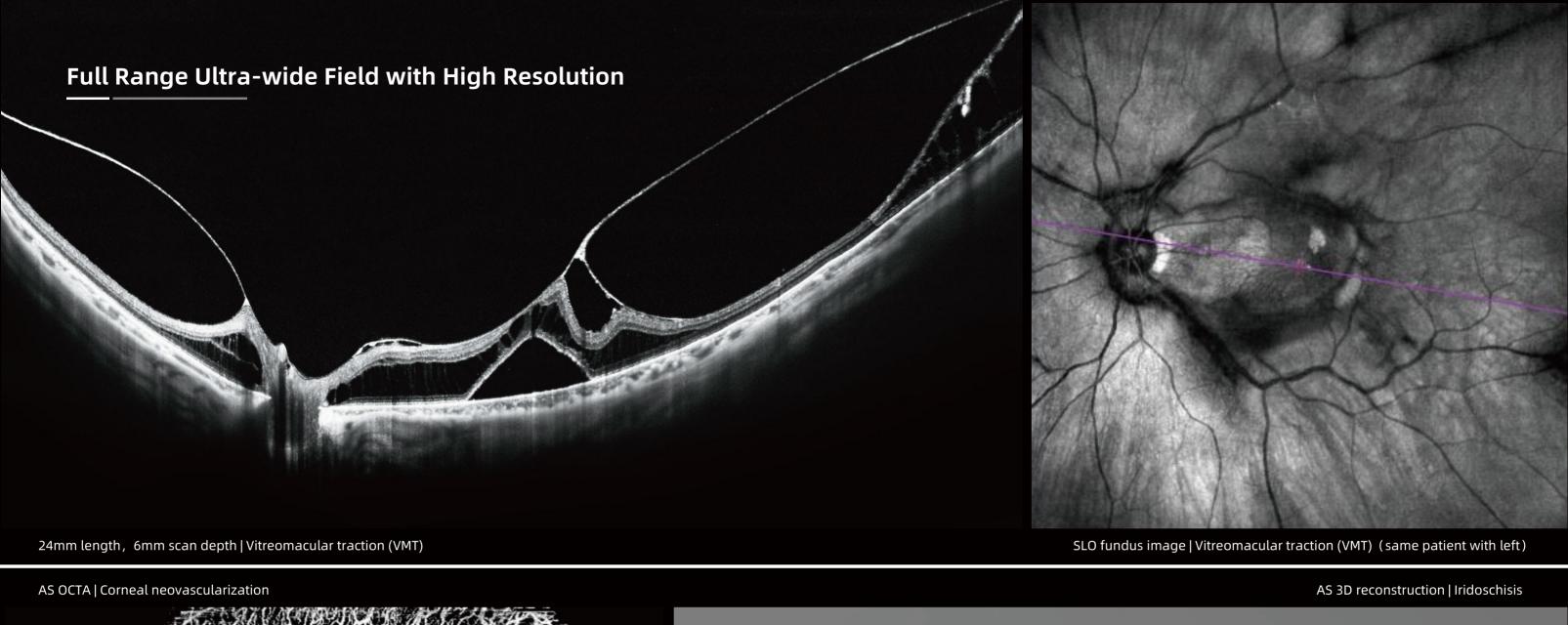






Neovascular membrane (vitreous slab)

Proliferative diabetic retinopathy (PDR)



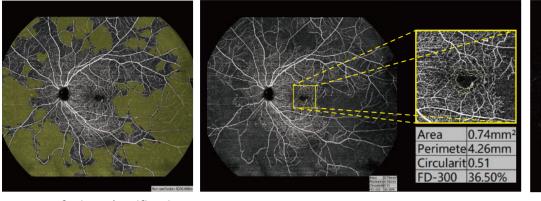


# **Reveal the Undiscovered**

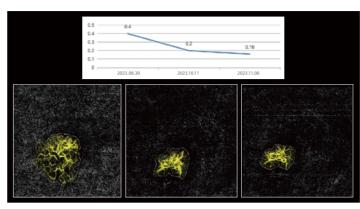
Ultra-wide field OCTA for Choroid with quantification parameters Choroid Vessel Volume ratio (CVV/a) Choroid Vessel Index (3D-CVI) Choroid Vessel Density (2D) Choroidal Stroma Volume ratio (CSV/a) Choroidal Stroma Index (CSI)

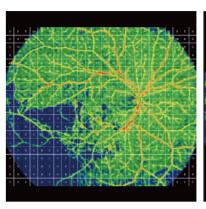
# **Comprehensive Quantitative Analysis**

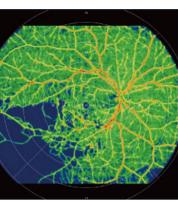
#### Retinal blood flow with quantification



| Table | Manager | Manage







Non-Perfusion Identification

FAZ parameters

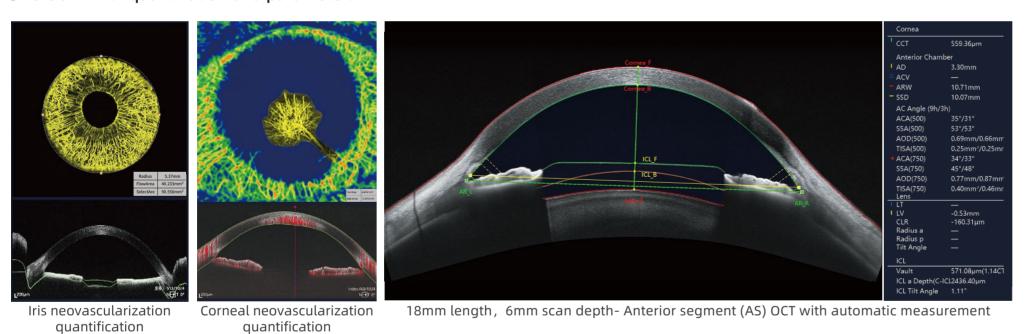
Flow Area-Vitreous neovascularization

MNV Flow Area Follow-up

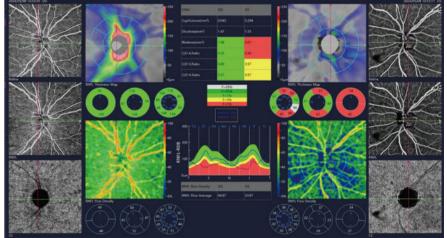
Flow density (Grids)

Flow density (ETDRS rings)

#### AS OCTA with quantization and parameters



# Comprehensive glaucoma analysis



ONH analysis (structure & flow)

## Reference | March |

Corneal pachymetry, epithelium thickness, stroma thickness, etc.

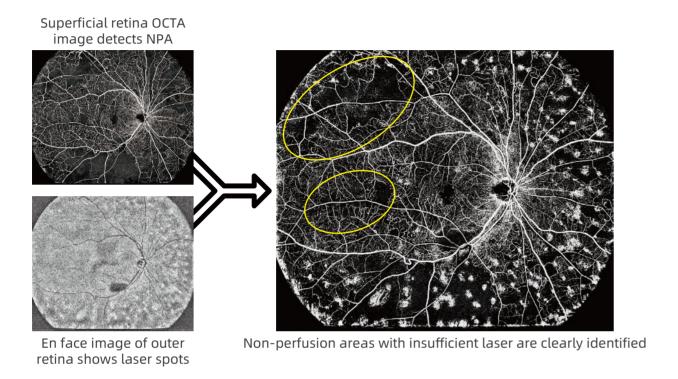
iHealth analysis (OU report)

10 11

### Innovation.

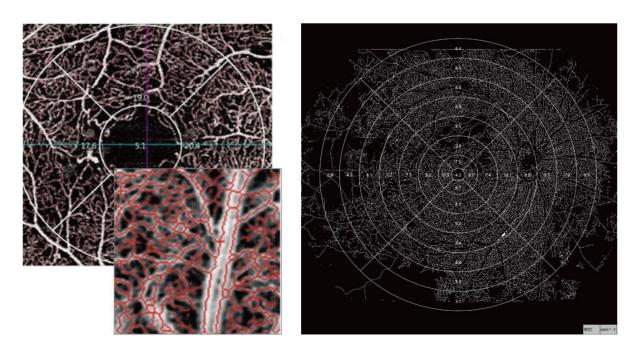
#### Spot

Precision and convenient OCTA-guided photocoagulation.



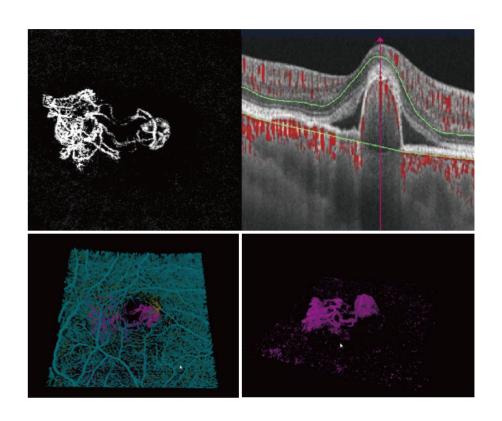
#### Vessel Skeleton Density (VSD)

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.



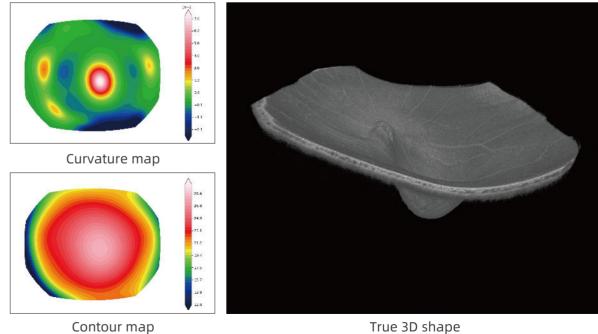
#### 3D OCTA

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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