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The new ZALIOTH
with SWEPT Source Biometry
COMING SOON

optohellas[®]
OPHTHALMIC EQUIPMENT
Worldwide Representation Platform

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The first Optical Biometry using swept-source OCT technology, using an ultra-high speed acquisition card, with a scanning speed of 10,000 times/second. Zalioth's length of the eye axis shooting range reaches up to 44 mm, and the scanning width of the anterior segment imaging reaches 12mm. This enables real-time visualization of the entire measurement process from the cornea to the fovea. The visualization is captured in just 0.1 seconds.

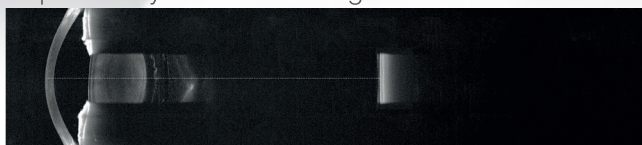
Your Main Benefits

Get fewer refractive surprises

Detect unusual eye geometries & poor fixation, providing a full-length OCT image showing anatomical details of the eye on a longitudinal cut through the entire eye.

Improve your refractive outcomes

Repeatability is essential for good refractive outcomes.



Optimize your workflow

Easy to use, Fast and Delegate, while all the measurements take only seconds. This is a huge advantage – especially with restless patients. Also combines the all well-known Toric IOL Formulas calculation in one powerful tool.

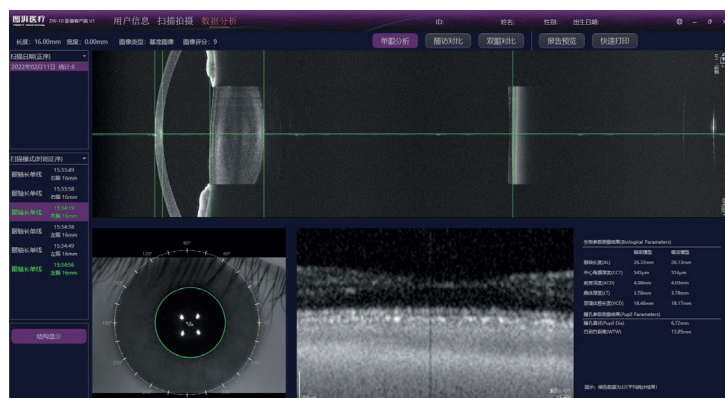
Variety of Measurement Data available including:

- Eye Length
- Anterior Chamber Depth
- Vitreous Cavity Length
- Pupil Diameter
- Central Corneal Thickness
- Crystal Thickness
- Corneal Diameter

Binocular Data Report



Data Display Interface



- The shooting adopts the “Dynamic Panoramic Eye Axis Imaging Method” to achieve real-time visualization of the shooting.
- Get panoramic images from cornea to retina in real time.
- Shoot faster, improve the accuracy of data measurement and improve data repeatability.

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Technical Specifications

Functions	Axial Length, Corneal Thickness, Anterior Chamber Depth, Lens Thickness, Vitreous Cavity Length, Corneal Diameter, Pupil Diameter, Visual Axis Offset Shooting Methods: Fully Automatic, Semi-Automatic & Manual
Measurement Principle	Swept Source Optical Coherence Measurement Technology
Device Wavelength	1060nm
Measurement Ranges	Display Resolution: 0.01mm & 1um Eye Axis Length: 14-44mm Central Corneal Thickness: 200-1500pm Anterior Chamber Depth: 0.7-8mm Thickness of Fret Body: 0.5-6.5mm Vitreous Cavity Length: 1mm-42mm Corneal Diameter: 7-16mm Pupil Diameter: 2-14mm
Eye Measurement Status	Normal Phakic Eyes, Aphakic Eyes, Artificial Phakic Eyes, Silicone Oil Eyes, Combination of the above
Measurement Method	Obtain All Data in One Measurement
Line voltage	100 – 240 V $\pm$ 10 % (self-sensing)
Line frequency	50 – 60 Hz
Power consumption max.	150 VA
Laser class	1



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