

## Specifications

Parameter	Measuring range	Measuring precision
Axial Length (AL):	12.0 mm - 38.0 mm	0.01mm
Central Corneal Thickness (CT):	0.2 mm - 1.4 mm	0.1 $\mu$ m
Corneal curvature radius (CR):	4.0 mm - 12.0 mm	0.01mm
Axis:	0° - 180°	1°
Pupil diameter (PD):	0.5 mm - 13.5 mm	0.01mm
White-to-white distance (WTW):	6 mm - 16 mm	0.01mm
Anterior Chamber Depth (AD):	0.7 mm - 7.0 mm	0.01mm

## Optical Biometer



Designs and specification can be changed without prior notice for the purpose of improvement.

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# AXL-100

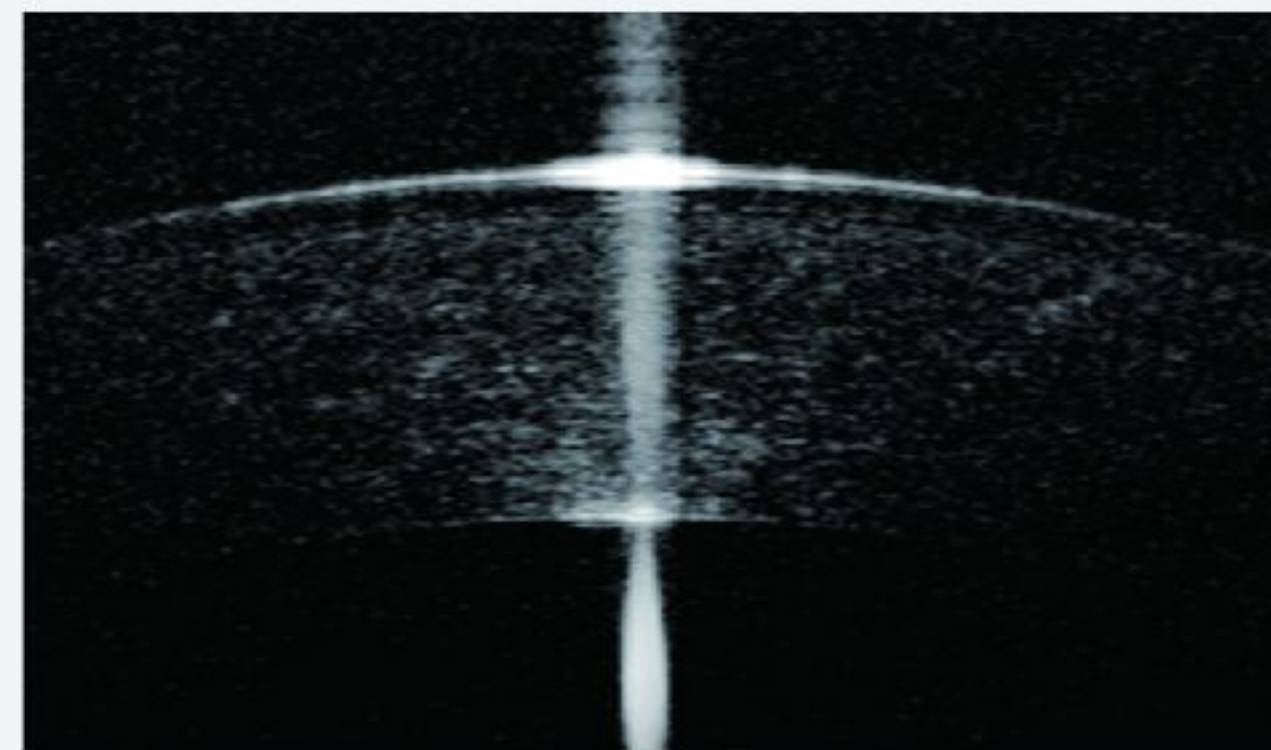
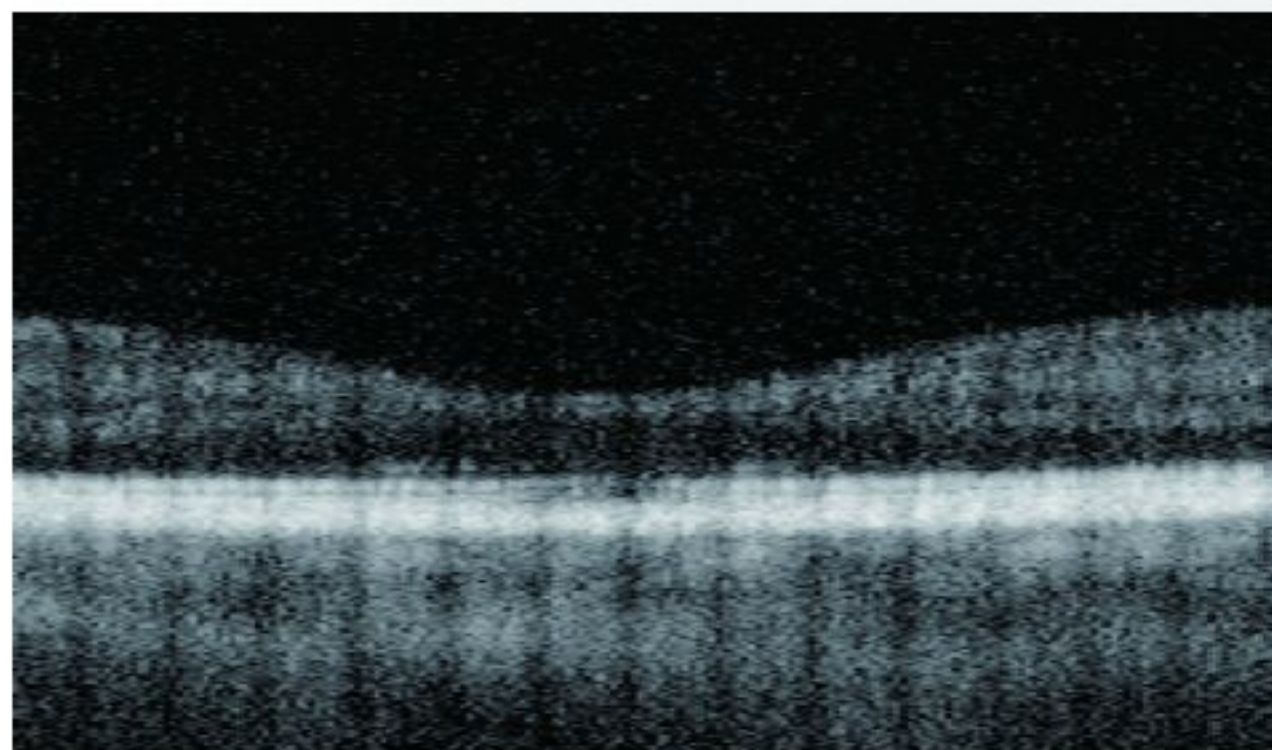
## High Precision, High Repeatability

The AXL-100 is a high-precision Fourier-domain optical biometer. Using OCT imaging, it delivers greater accuracy than traditional time-domain optical biometers, ensuring reliable measurement of the axial length through the macular fovea.

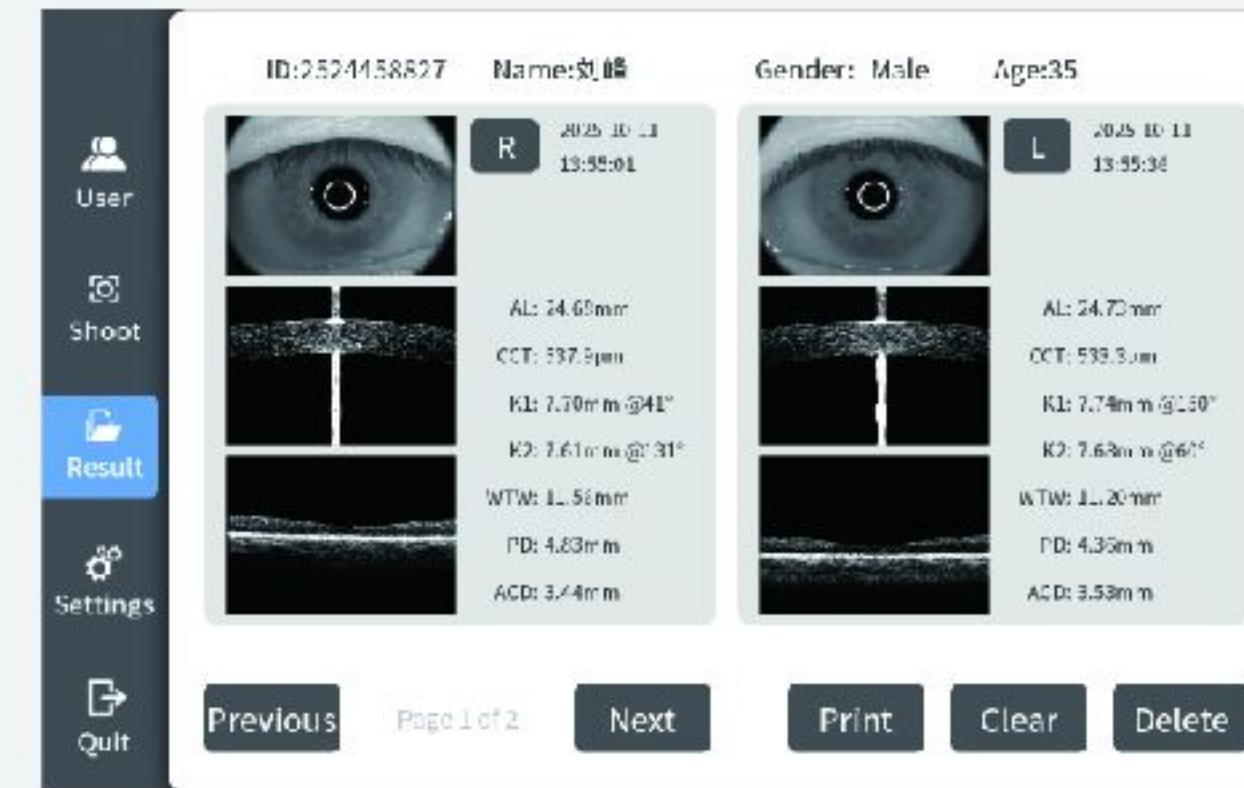
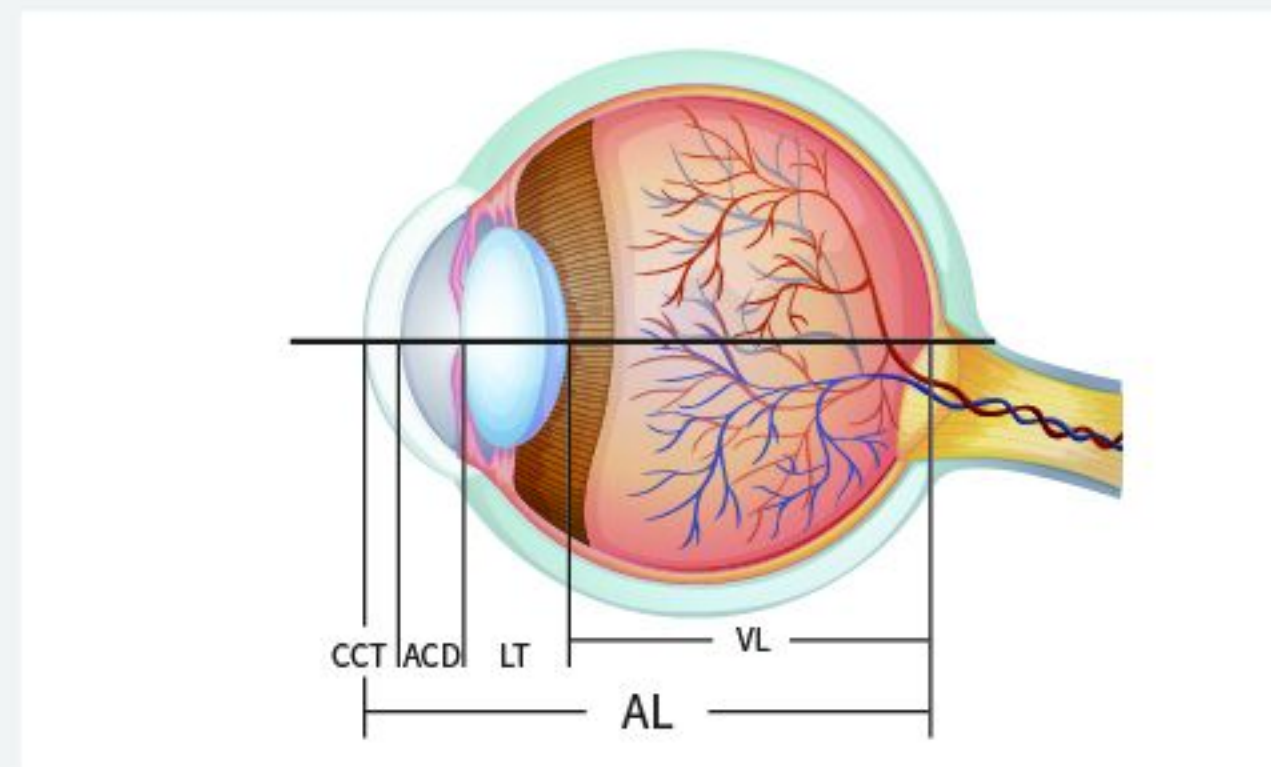
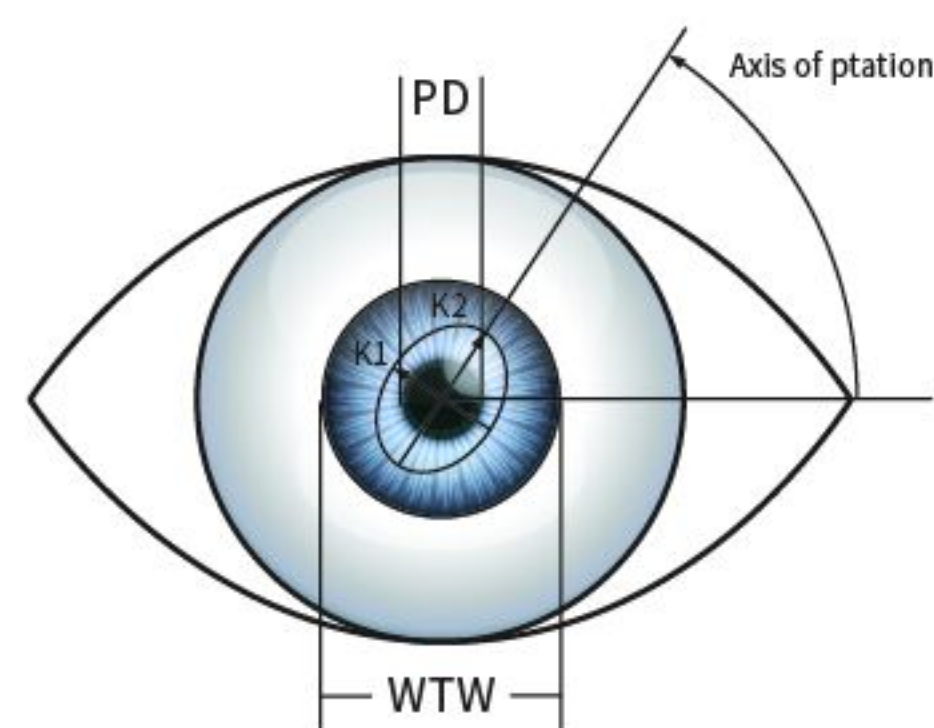


## OCT High-Definition Imaging

Precisely acquires axial length from the anterior corneal surface to the macular fovea.

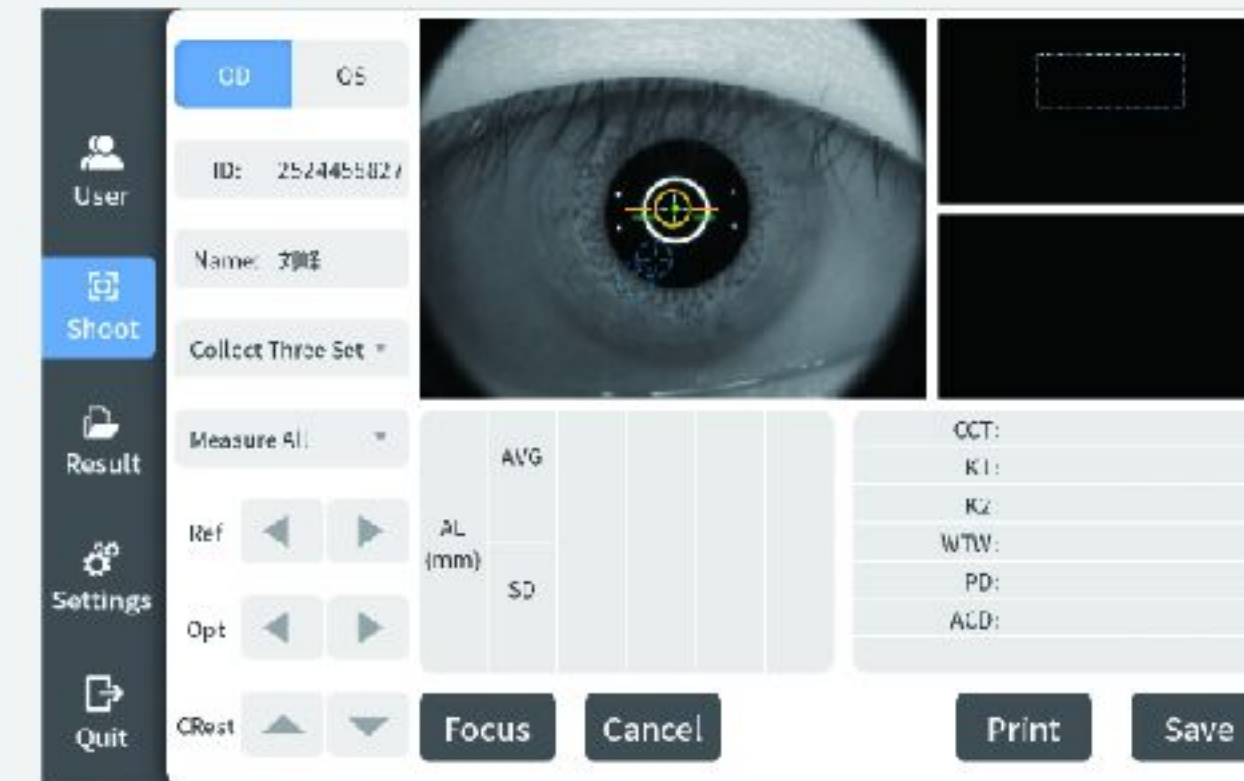


## Multiple Parameters in a Single Scan



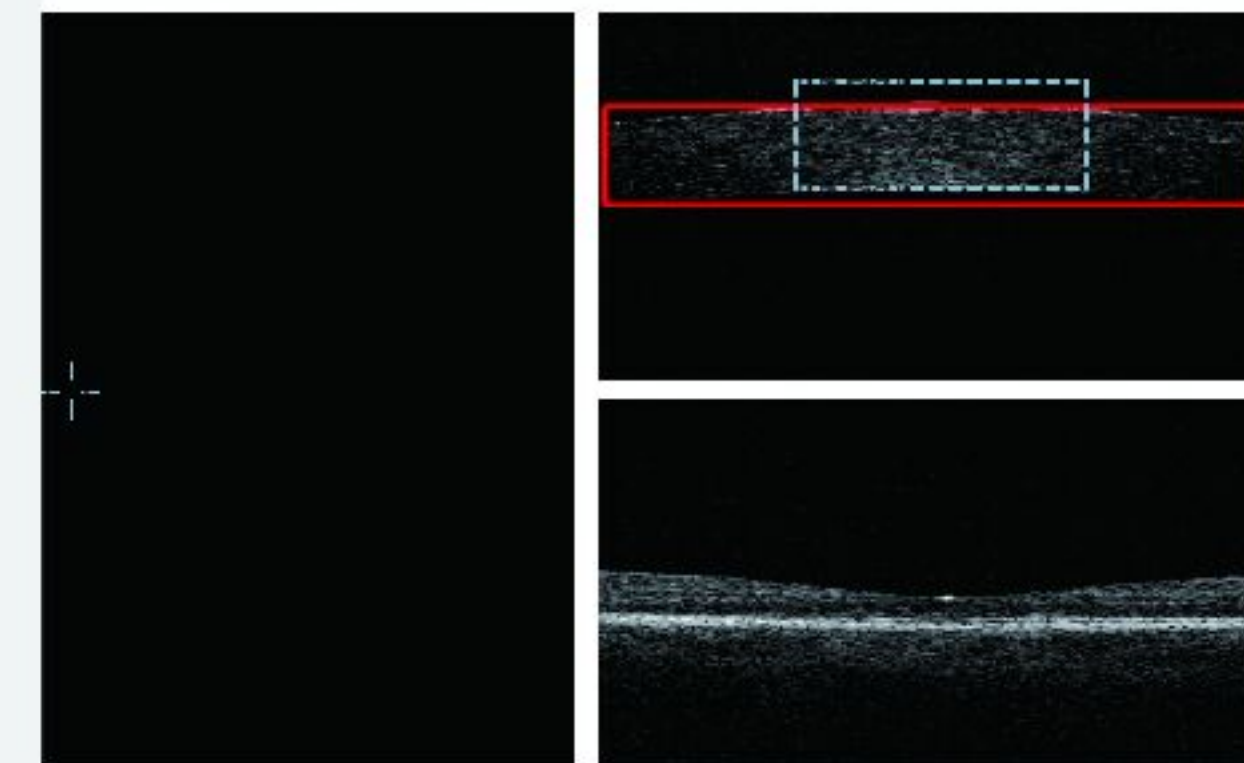
## Multiple Parameters in a Single Scan

Capture multiple parameters in one scan: axial length, central corneal thickness, corneal curvature, white-to-white distance, and pupil diameter.



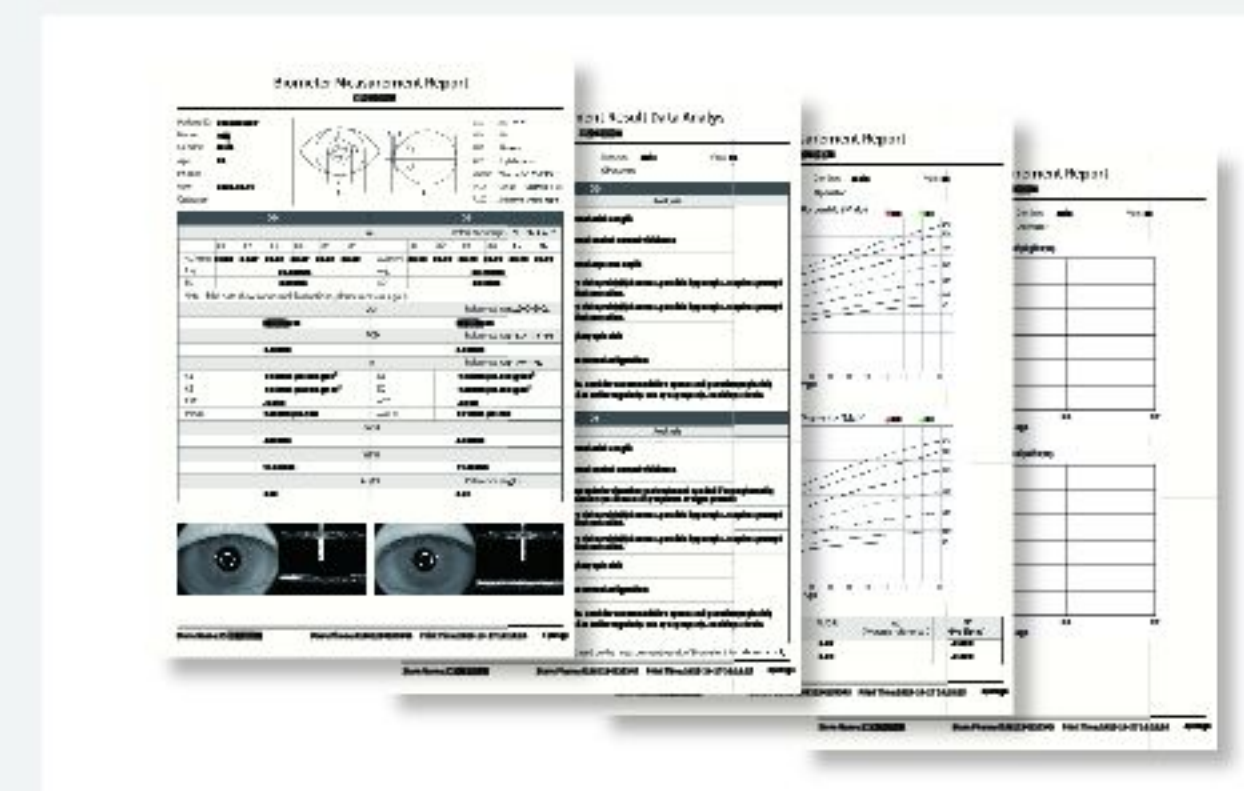
## Automated Measurement with Voice Guidance

Features objective focusing—no subjective judgment of corneal image clarity required. Automatically focuses, captures data, and guides key steps via voice prompts for effortless operation.



## Visualized Measurement

Live imaging helps monitor the subject's fixation during measurement, ensuring accuracy of axial length and corneal curvature readings—especially important for orthokeratology lens wearers or those with irregular corneal astigmatism.



## Intelligent Analysis, Data-Driven Insights

Track axial growth trends and analyze refractive status. Comprehensive data visualization helps interpret eye growth patterns, alerts myopia risks, and enhances client communication, trust, and loyalty.