



Myopia Progression Trends

Myopia Control Analysis

Refractive Status

Biometric Parameters

AL	K1	K2	Axial Ratio	Axial Angle
WTW	Pupil Diameter	AST	ACD	LT
CCT	VCL	RL	Kappa	SE

Refraction Parameters

SPH	CYL	AXIS	PD
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Intelligence

Two-in-One Integrated Device

By integrating objective refraction, ocular biometry, and AI-driven analytics, the system enables multi-dimensional assessment of refractive status. Biometric parameters are combined with refractive data to support clinical decision-making in myopia management.

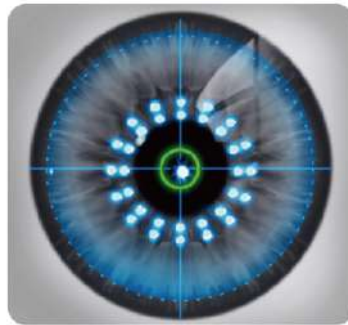
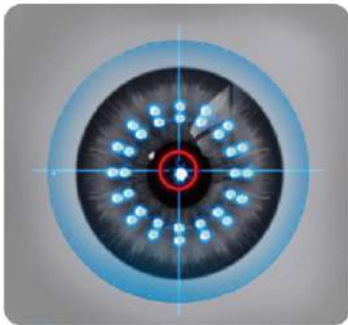
AI-Baed Analytical Model

Axial Length (AL), Corneal Curvature (K), Refractive Power, Age Gender, Generates myopia progression prediction curves to effectively monitor myopia progression.

- Refractive Status = AL+Corneal Curvature (K)+Objective Refraction
- Myopia Progression Trend = AL+Age+Gender+Objective Refraction
- Myopia Control Analysis = AL+Age+Objective Refraction Over a 3-Month Monitoring Period

Citara

Optical Biometer
& Refractometer



High-Order Aberration Low-Light Evaluation

Advanced wavefront sensing technology is employed to evaluate refractive performance under low-light conditions. With a refraction resolution of 0.01D, the system compensates optical aberrations and enhances visual quality assessment in dim environments.

Promote

Hartmann-Shack Wavefront Sensing Technology

The device utilizes Hartmann-Shack wavefront sensor technology, acquiring data from 1,600 sampling points and up to 48,000 measurements per second. This enables highly accurate calculation of refractive parameters, improving measurement accuracy by approximately 30% compared to conventional methods.



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