LIGHTBOX

Orbit-AL+

Optical Biometer

- Cornea Curvature/Keratometry
- Myopia Progression Monitoring
- Pachymetry
- Anterior Chamber Depth
- IOL Power Calculation



Lightbox Factory

Orbit AL+

Optical Biometer

17 Biometric Parameters

Refractive status assessment | Contact lens evaluation | Ocular health diagnosis

Model	Orbit AL		Orbit AL+	
ALT	●		●	
CCT	●		●	
Kf	●		●	
Ks	●		●	
AL/CR Ratio	●		●	
Corneal AST	●		●	
Axis	●		●	
SE	●		●	
WTW	●		●	
Dia	●		●	
PC	●		●	
IC	●		●	
Kappa	●		●	
ACD	●		●	
LT	●		●	
VCL	●		●	
IOL			●	

Optical Biometer

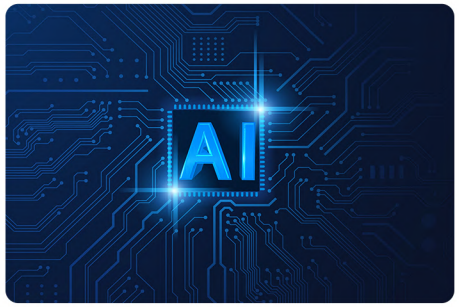
Clinical Applications

Accurate

32 Measurement Points

Thirty-two optical beams are arranged in concentric rings on the cornea. The reflected spots are fitted into circles for calculation, enhancing measurement accuracy and repeatability.





Intelligence

AI-generated reports

Dynamically monitors axial length changes in children and adolescents, automatically generates individual and group trend curves and myopia-risk reports, and builds ocular health records for efficient myopia management.

IOL Formula

- SRK II
- Hoffer-Colenbrander
- Shammas
- Binkhorst
- SRK/T
- Holladay 1
- Hoffer Q
- Haigis
- Haigis L

(Only 900PH/1000PH)



Orbit AL+

Professional Accuracy

Full-parameter acquisition

Single capture of 14 parameters from 32 optical points with micrometer-level precision and fine focusing technology ensures accurate and repeatable data for clinical and myopia-control applications.

Data optimization system

The StarEyes 900/900P performs multiple signal acquisitions using an optimization algorithm and retains only high-quality data for analysis, improving stability and reliability.

High Efficiency and Convenience

Human-centered design

A proprietary operating system with a 10.1-inch touch display offers an intuitive interface and streamlined workflow so new users can operate the device with minimal training.

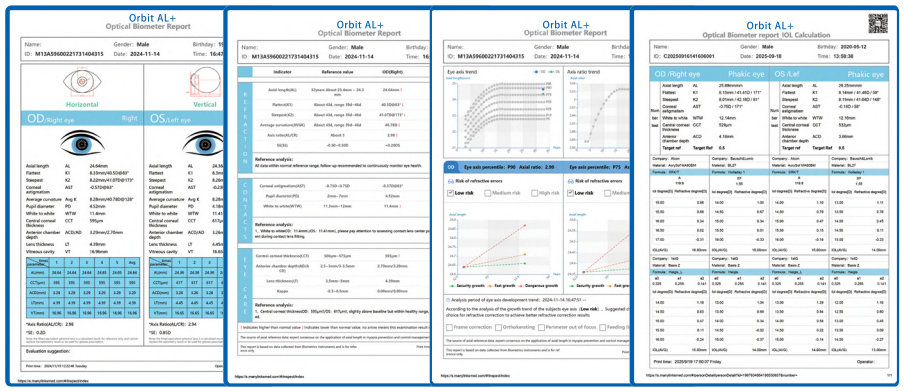
Cloud-based AI Analysis

M-Pro cloud

Automatically creates cloud-based visual health records without USB transfer, supports multi-terminal and multi-clinic data management, and allows patients to review previous results via a WeChat public account.

AI analysis reports

Combines axial length, keratometry, AL/CR ratio, equivalent spherical refraction and patient demographics / refractive status for comprehensive analysis, accurately predicting refractive progression and axial elongation to enhance myopia-management and data-interpretation capability.



Orbit AL+

High-efficiency Optical Biometer

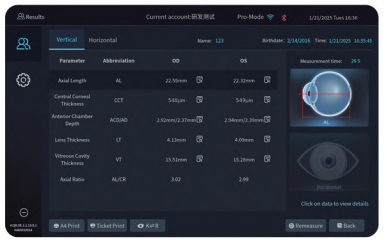
Accurate and Fast

Fourth-generation low-coherence optical technology

Measurement technology	**Fourth-generation measurement technology**
Parameter acquisition	Real-time focus feedback with automatic data selection and processing improves examination accuracy.
Measurement speed	Optimized optics provide full-parameter acquisition while increasing measurement speed by approximately 30%.
Fixation design	An optional animated voice system enhances fixation, improving both efficiency and accuracy.

Clinical Applications

AL/CR Ratio ≈ 3



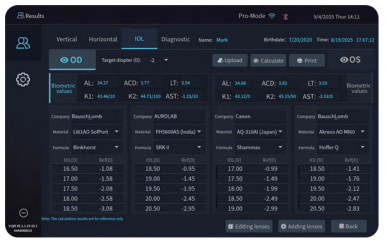
Measuring the Axial Ratio for Precise Eye Diagnosis

Lens thickness 3.5 – 5.0 mm



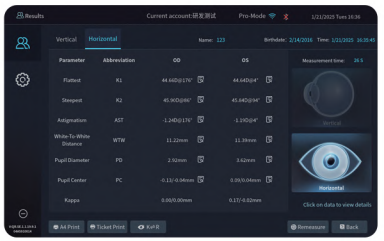
Lens Thickness Measurement for Enhanced Eye Health Analysis

IOL power calculation



IOL Calculation for Precise Cataract Surgery Planning

Angle kappa < 0.5 mm



Kappa Angle Measurement for Accurate Ocular Alignment and Cataract Surgery Planning

Technical specifications

Measurement Range		Standard Deviation	Display Resolution
AL	12-34mm	±25μm	0.001mm
CCT	300-800μm	±2μm	1μm
Curvature	4.7-11.5mm	±10μm	0.01m
Axis	0°-180°	±9°	1°
WTW	6-17mm	±0.2mm	0.01mm
Dia	1.8-13.6mm	±0.3mm	0.01mm
ACD	1.5-6.5mm	±20μm	0.01mm
LT	0.5-7.0mm	±50μm	0.01mm

West Africa Distributor:

VisionPRO

VisionPRO Enterprise Nigeria:
26B Adeshina st. Off Obafemi
Awolowo way, Ikeja, 101233
Lagos, Nigeria
+2348039209213 | +2347030642310

VisionPRO Global FZE:
Warehouse L1-05, Sheik Rashid
Bin Saeed Al Maktoum Str.
Ajman - U.A.E
+971588051849 | +971521412058