

REIMAGINING VISION CARE

Smartphone Enabled Wearable
Subjective Refractor

Empowering Eye Care
Professionals with Accuracy,
Efficiency & Portability

3nethra
specto



Smartphone Enabled Wearable Subjective Refractor

3nethra spectro is a lightweight digital device that provides accurate and reliable measurements of refractive errors and visual acuity. It helps optometrists, ophthalmologists, and trained eye care professionals make informed decisions on corrective eyewear prescriptions and vision assessments. Its rapid process reduces consultation time, making it ideal for high-patient-volume settings. With an smartphone-based mobile application, 3nethra spectro supports subjective refraction, enables prescription generation and sharing, and streamlines patient record management.



Why Choose 3nethra spectro?



Portable & Lightweight

Weighs only 1.4 lbs, perfect for clinics and mobile eye care.



Accurate & Efficient

Delivers precise refraction results in minimal time.



Monitor Prescription Changes

Enables practitioners to track vision shifts over time, assess prescription effectiveness, and make precise adjustments for optimal eye care.



Tele-Optometry Ready

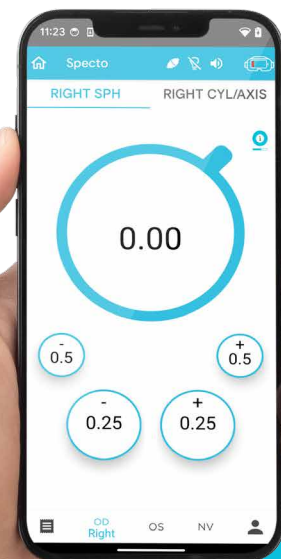
Enables remote consultations and real-time data sharing.



Cost-Effective & Scalable

Reduces overhead costs and expands vision care reach.

Smartphone-based app for precise measurements



Powerful Features for Precision Eye Testing

- ✓ **Subjective Refraction Screening**
Suitable for children and adults (IPD range: 54-80mm).
- ✓ **Wide Diopter Range**
Supports spherical correction range between -18D to +18D with range extender lenses and cylinder correction range between -6D to +6D.
- ✓ **Advanced Testing Methods**
Includes cross cylinder examination, Maddox rod, pinhole testing, stenopaic slit testing, and red-green filter tests.
- ✓ **Seamless Data Management**
Integrated Android App for patient records, prescription reports and cloud data storage.
- ✓ **Tele-Optometry as a Service**
Enables tele-optometry consultation with remote optometrist.
- ✓ **Portable & Rechargeable**
Powered by Li-ion battery, ideal for in-clinic and outreach settings.

Expanding Access to Quality Vision Care Perfect for Various Eye Care Settings:



Tele-Optometry & Remote Eye Care

Connects optometrists with patients globally.



Clinics & Hospitals

Enhances efficiency and improves patient experience.



Optical Stores

Enables precise prescription generation in-store.



Vision Screening Camps

Ideal for quick and accurate mass screenings.



Technical Specifications

Feature	Specification
Spherical Correction Range	-18 D to +18 D, with prescription steps of 0.25 D or 0.50 D (additional lens required)
Cylindrical Correction Range	-6 D to +6 D, steps of 0.25 D
Axis Adjustment Range	0° - 180°, steps of 1°
IPD Range	54 mm - 80 mm
Power	Rechargeable Li-ion battery (included)
Communication	Wireless
Weight	Approx. 1.4 lbs
Included Accessories	Occluder
	Pinhole
	Stenopaeic Slit
	Maddox Rod
	Red Filter
	Green Filter
	-10 D / +10 D Range Extender Lenses

