



Tomorrow's Vision Today

REVOLUTIONARY
REFRACTION TECHNOLOGY

VISIONIX
The Vision of the Future

REDEFINING REFRACTION

Eye Refract features a dual Aberrometer that utilizes a unique and innovative technology which couples an automatic refraction measurement and a simultaneous iterative lens adjustment. This instrument has revolutionized the practice of refraction offering quick, accurate, and reliable measurements. Eye Refract allows eye care professionals to optimize time spent with patients by offering a highly customized experience with an exceptionally accurate prescription.

THE FULL CONCEPT:



Fully Automatic:
Eye Tracking, Auto-Focusing

Distance and Near
Vision Measurement

Controlled Wirelessly
via Tablet Interface

PERFECT VISUAL ACUITY IN LESS THAN 3 MINUTES

BEFORE EYE REFRACT

The average time of a standard refraction is 8 to 10 minutes



WITH EYE-REFRACT

Achieve binocular refraction in just 3 minutes



Less dedicated time for refraction, more time to interact with your patients

MORE ACCURATE PRESCRIPTION

BEFORE EYE REFRACT

Subjective answers of the patient, uncertainty of the results



WITH EYE-REFRACT

Real time lens adjustment based on patient brain reactions



Accurate and reliable prescriptions offer maximum comfort in less time to the patient

TIME SAVINGS

BEFORE EYE REFRACT

Longer waiting times for patients



WITH EYE-REFRACT

Drastic reduction in waiting time

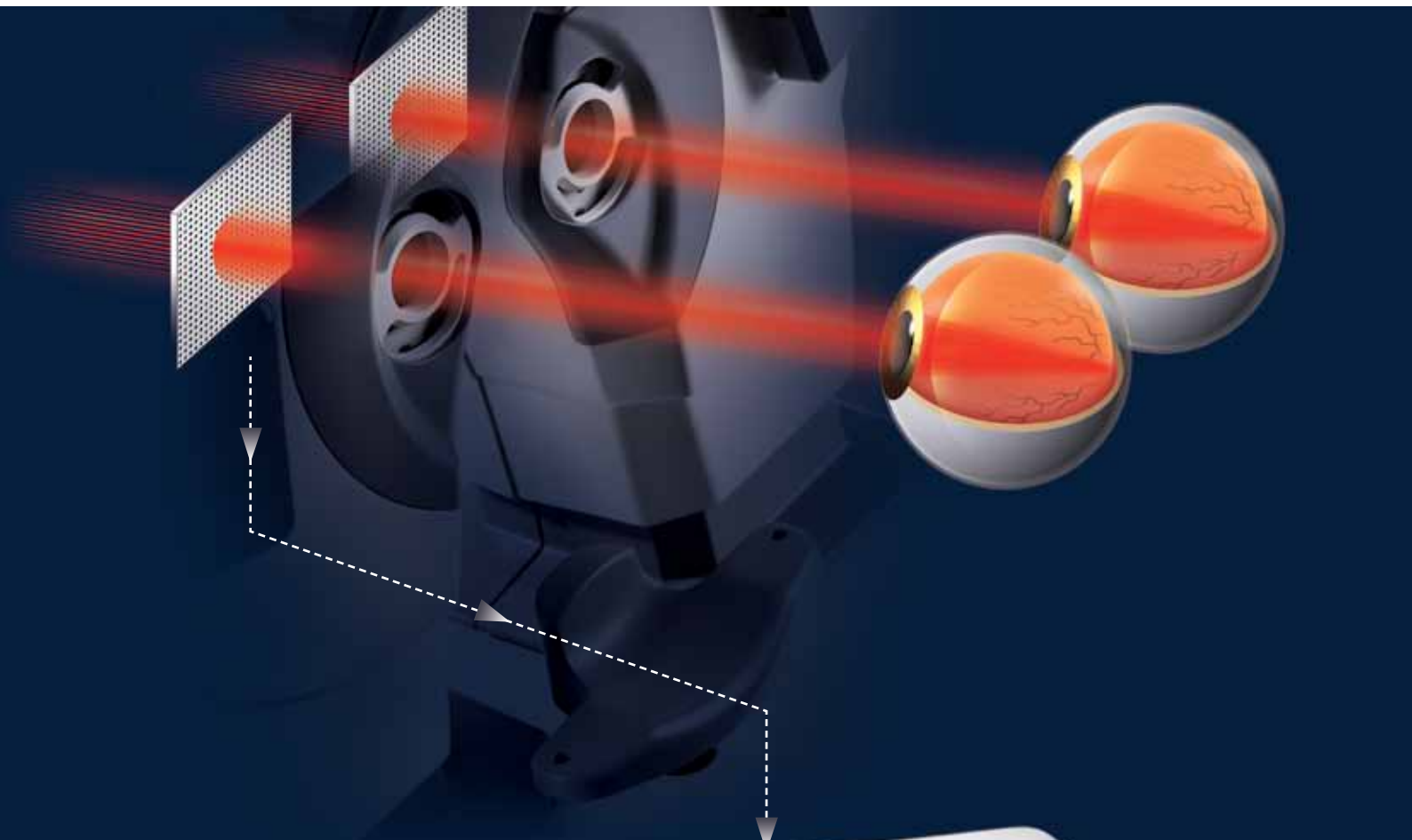


The ultimate efficiency for your practice

WAVEFRONT TECHNOLOGY

VISIONIX HAS DEVELOPED A NEW METHOD OF REFRACTION

Eye Refract features two Shack-Hartmann sensors running simultaneously to provide real time binocular refraction. These sensors combined with the phoropter head allow Eye Refract to automatically correct visual defects.



Eye Refract is based on patented Wavefront Technology developed by Visionix®.

Wavefront technology offers measurement of the eye at thousands of points whereas traditional technologies measure a singular point or a just a few points.

Visionix® patented a method which miniaturized this technology. This process enabled incorporation of a one-of-a-kind dual aberrometer system found in the Eye Refract. This allows binocular refraction in a real-time, producing exceptional accuracy.

WIFI ENABLED TABLET REMOTE

Eye Refract is controlled by a tablet giving the operator freedom of movement

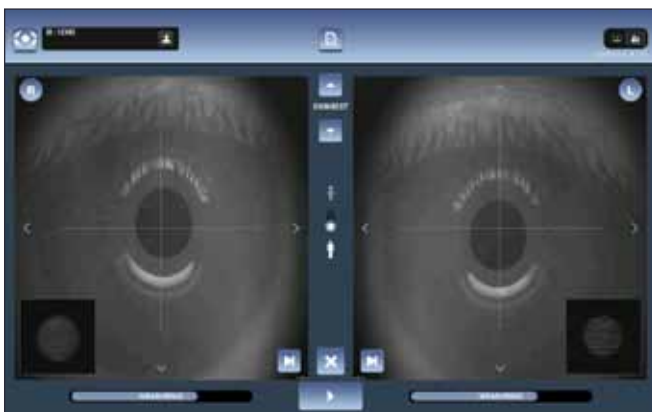


Back screen control display

Pupillary Distance

Refraction visualization

Near vision refraction screen



Measurement



Refraction screen, filters, accessories

THE TECHNOLOGY OF TOMORROW IS AVAILABLE TODAY



BINOCULAR VISION

EyeRefract allows you to perform a precise and repeatable dynamic binocular refraction in less than 3 minutes.

NEAR VISION MEASUREMENT

True addition takes into account real distance results with a maximum comfort for your patients.





AUTOMATIC MEASUREMENT

Easy-to-use refractive instrument featuring highly repeatable results independent of operator, patient, or methods used.

ULTRA FAST PROCESS TECHNOLOGY FEATURING:

Featured Technology:

Auto-focus, Auto-tracking, simultaneous measurement. Both measurement and refraction verification occur at the same time.
Fully connectivity and data transfer (VX40, VX 24, PC).

- > More Natural Measurement
- > Quick Process for Maximum Patient Comfort and Time Savings
- > Highly Accurate Prescriptions



TECHNICAL SPECIFICATIONS

EYEREFRACT



Height	490 mm (19,3 in)
Width	290 mm (11,4 in)
Depth	470 mm (18,5 in)
Weight	25 kg (55 lbs)
Power	100-240 V CA, 50/60 Hz, 300W



Height	609 to 859 mm
Width	700 mm
Depth	609 mm
Weight	36 Kg
Power	100/120, 220/240 V AC, 50/60 Hz

Output • RS232 / USB2.0 / VGA / LAN

Hardware
 Tablet.....Android
 Chinrest.....Electrical
 Near Vision Target.....250-700 mm
 Mini tablet 7"
 Head.....Autofocus, autocentering

Range
 Sph-30,00D to +27,25D
 Sph step0,125 / 0,25 / 0,50 / 1 D
 Cyl.....-6,00 to +6,00 D
 Cyl step0,25 / 0,50 / 1 D
 Optical axis0 to 180°
 Axis step1° / 5° / 10° / 45°
 Prisms.....0 to 20 D

Ref. 8160-0001-00

Power 4 x 220 V / 2 USB

Maximum weight on the table 35 Kg

Configuration 2 wheels for a total mobility
 Connection for a VX BOX
 Cables orientation System

