

i-Optik

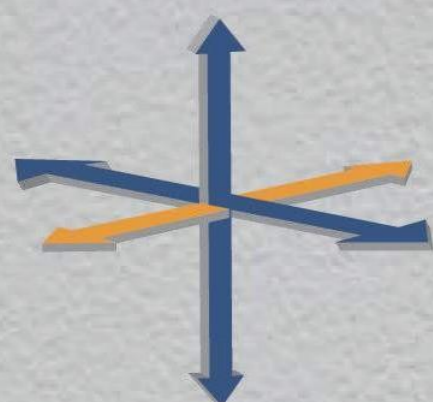
Better vision, Better life

ARK-910 / AR-910

FULLY AUTOMATIC

Auto Ref/keratometer

Auto Refractometer



ARK-910 / AR-910

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Auto Refractometer



Automatic focus and measurement

The ARK-910/AR-910 series

The ARK-910/AR-910 adopts 3D autofocus technology, which only needs simple guidance or confirmation to start the automatic focusing and measurement of the left and right eyes, equipped with a newly designed optical system, which can ensure the speed and accuracy of the measurement.



3D autofocus technology

The machine will automatically search for eyeballs and make measurements.



High precision

Newly optical structure with partition control system, ensure accurate measurement.

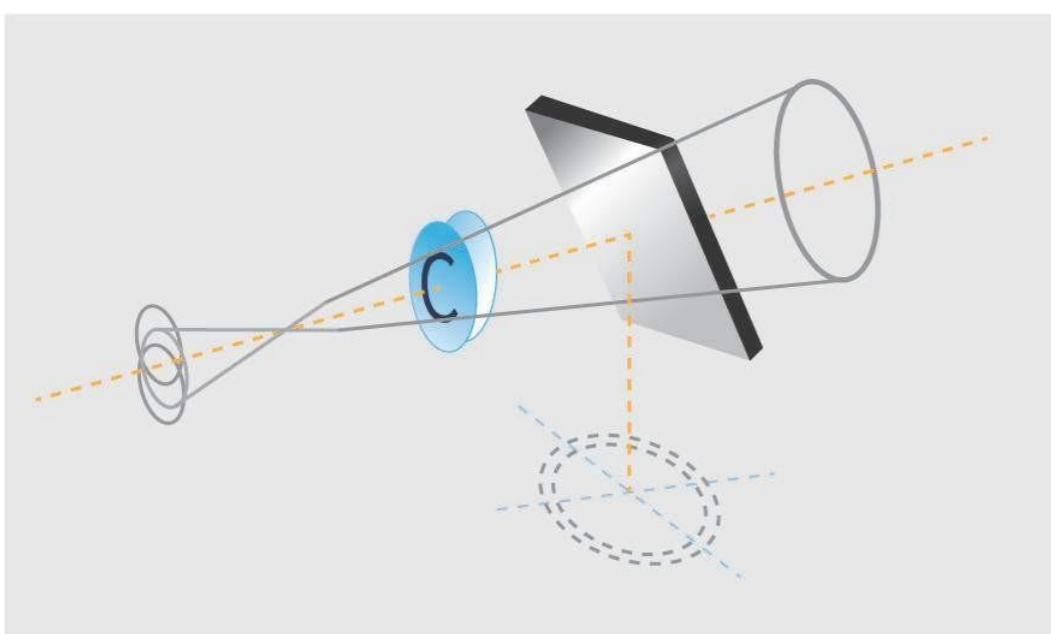


Easy operation

Without using a joystick, even inexperienced people can operate easily.



Multiple improvements of objective refraction



Partition control system

The newly designed double-zone control makes the fogging process and focus process independent of each other, ensuring the speed and accuracy of the measurement results.



Intelligent touch operation

The required functions can be reached at one touch, and the corresponding functions can be accessed and realized through different touch methods.



One touch auto tracking and measurement

Double-click the screen or press the measurement button, it could carry out automatic eye tracking, focus and measurement, the whole process only takes about 10 seconds.



Retro-Illumination Image management

The Retro-Illumination image makes it possible to observe the opacity of the optical medium of the eye.



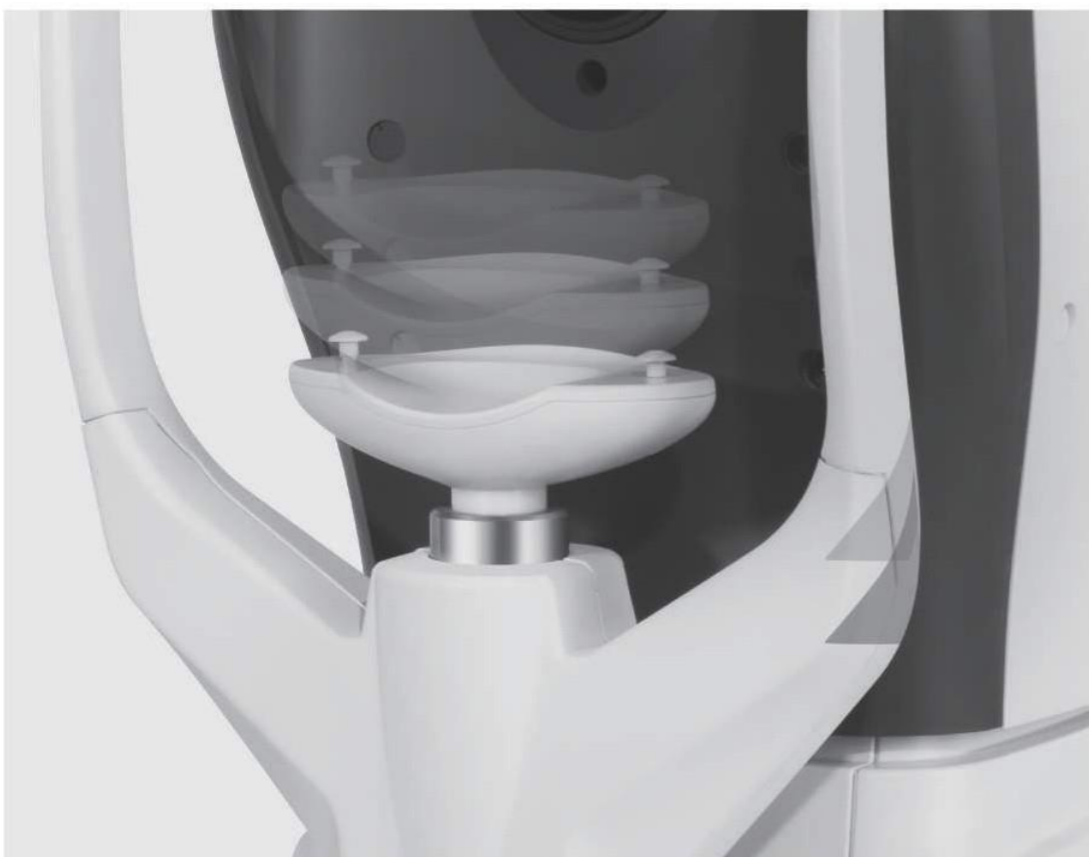
Keratometry Peripheral Measurement

Based upon the center of cornea, measure the curvature of part around cornea from the positions of up/down and left/right direction.



Tiltable LCD touch screen

7.0-inch touch screen with high-quality hinges, the screen can be adjusted and stably maintained at the desired angle.



Motorized chin rest

The height of the subject's eyeball can be quickly adjusted through the touch screen or physical button before the measurement, and the motor runs smoothly and quietly.



Built-in thermal printer

High-speed printer with quick paper loading design, when replacing printer paper we just need to put the paper roll into the receptacle and close the cover, the receipt can be cut automatically after printing.

ARK-910 / AR-910

Key features and benefits

- Refraction measurement (Sphere, cylinder and axis)
- Measuring the radius of the cornea (AKR-910 model)
- Measuring the pupil distance.
- Managing the Retro-Illumination Image.



Wireless data transfer

It can be connected wirelessly with i-Optik computerized vision tester and transfer data, which makes refraction more convenient and efficient.



Specifications

Refractive measurement

Sphere:	-25.00~+22.00D (0.12/0.25D step) (VD=12mm)
Cylinder:	0.00~±10.00D (0.12/0.25D step)
Axis:	0~180° (1° step)
Pupil Distance:	10~85 mm
Minimum measurable pupil diameter:	φ2.0mm
Target fixation:	Auto fog system

Corneal curvature measurement

(ARK-910 model only)

Radius of curvature:	5~10mm (0.01mm step)
Corneal Refraction:	33.75~67.50D(0.12/0.25D step)
Corneal Astigmatism:	0.00~±15.00D(0.12/0.25D step)
Axis:	0~180° (1°step)
Corneal diameter:	2.0~12.00mm

Others

Monitor:	7-inch Color LCD
Printer:	Thermal line printer
Interface:	RS232/Bluetooth
Power saving function:	OFF/ 5/ 15 minutes
Power supply:	AC100-240V, 50/60Hz
Power consumption:	75VA
Dimensions/weight:	262 (W) *467 (D) *487 (H) mm/17.2kg