i-Optik

Better vision, Better life

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

Designs and specification can be changed without prior notice for the purpose of improvement.

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ARK-910 / AR-910

FULLY AUTOMATIC

Auto Ref/keratometer
Auto Refractometer

ARK-910 / AR-910

Auto Ref/keratometer
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.

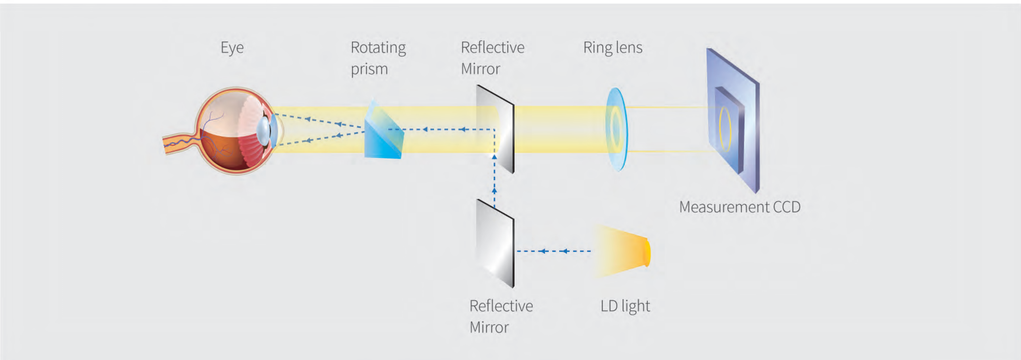
Easy operation

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

Multiple improvements of objective refraction

LD light and high-sensitivity CCD

The built-in LD light source provides a clearer and sharper image than the traditional LED. In addition, the upgraded high-sensitivity CCD can detect the ring image even if the fundus reflection is weak. This new optical system significantly improves the measuring ability, even for dense cataractous eyes.



Independent fogging and measurement system

Two sets of independent mechanisms are used to control fogging and measurement respectively, to avoid the accommodation of the eyes during measurement, and ensure that the measurement is carried out in the best fogging condition, so as to improve the accuracy of measurement.

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.

Peripheral Keratometry 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.

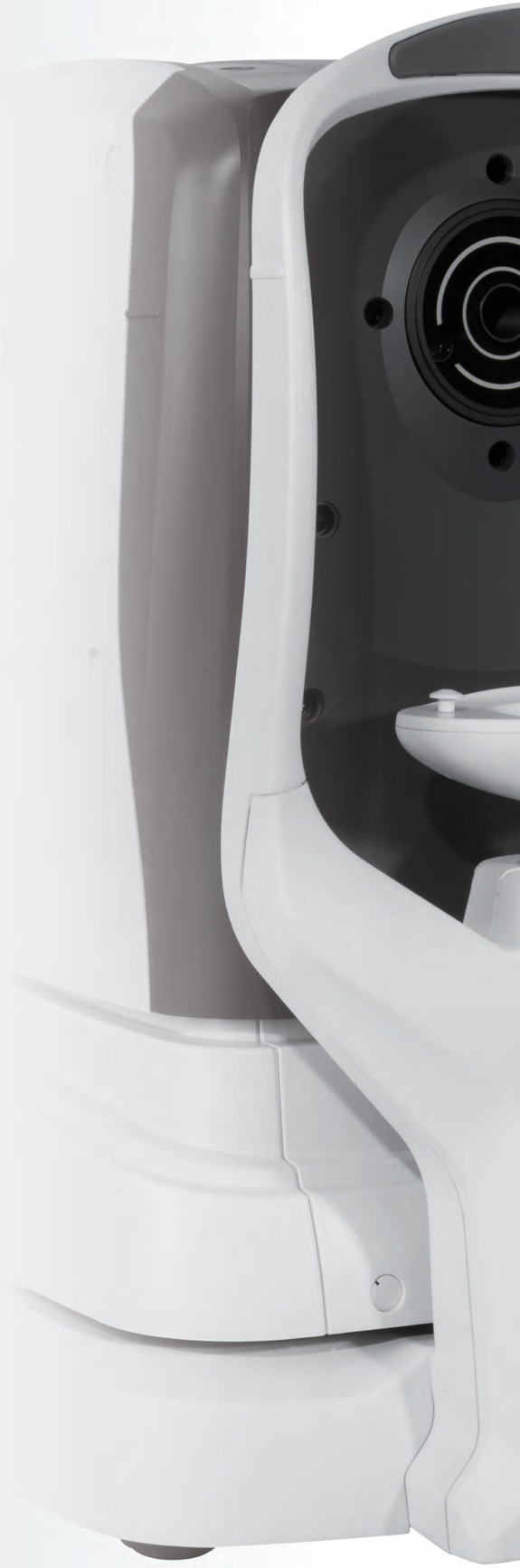
Built-in thermal printer

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.