

CV-7800

Auto phoropter



i-Optik

New Intellectual interaction mode

The new CV-7800 auto phoropter has made great improvement in human and machine interaction compared to last generation. It supports both tablet and control panel control, making the operation more flexible for more outstanding refraction.



More efficient and faster control and operation



► Wireless control with tablet

- Wireless interaction and communication with i-Optik equipment(ARK, Chart display etc), provide optometrist more flexible control.
- Built in standard refraction process, providing accurate guidance to help beginner get started quickly.
- Simplified operation interface makes all the operation clear, convenient and easy.

► Intellectual control panel

- Mechanical buttons and visual touch screen, make the function switch faster and the refraction process more efficient.
- Tiltable tablet support enables bigger display angle, allows user to view the screen without limitation of position.
- New magnetic charging function, contact charge and compatible for different model of tablets; easier to sort or hide wires and cables and save space.

1 Quieter and all-round

Thanks to the brand new mechanical design and imported motors, the i-Optik CV-7800 auto phoropter not only make less noise for lens switch, but also provide more outstanding refraction result, providing our user with less annoying noise and more pleasant using experience.

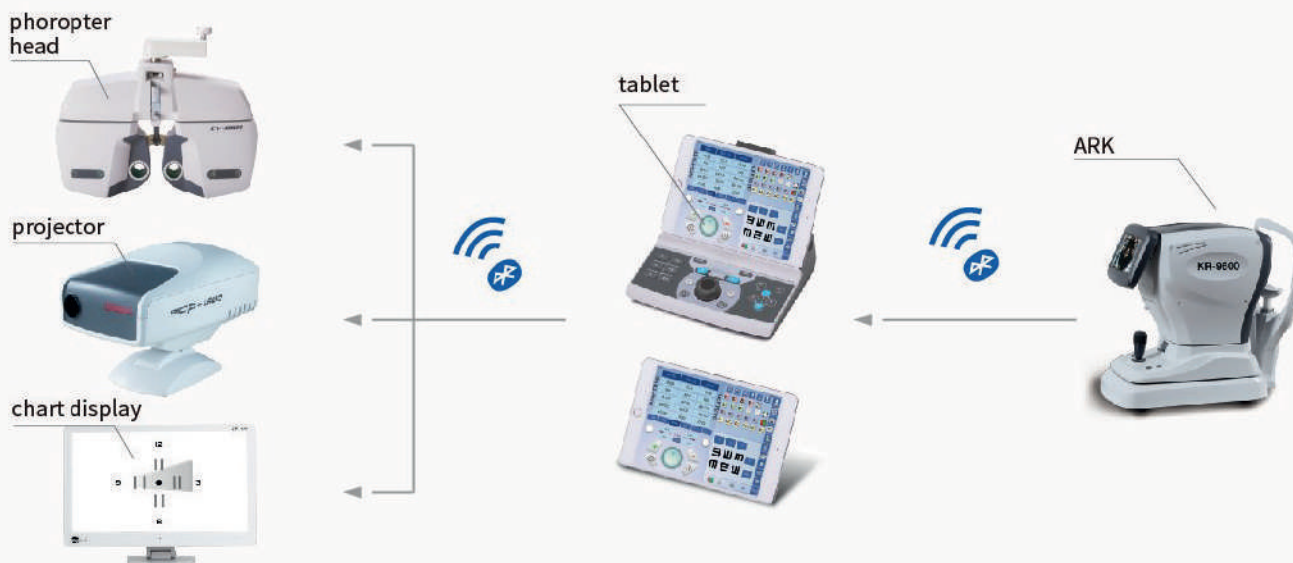
2 Excellent apperance & performance

With a new look dsplays sense of technology and faster lens switch speed and longer working lfie, the new CV-7800 is refined both internally and externally.

3 Display, working life

The strong intellectual interaction mode supports user to customize refraction process according to their own habit. Multiple control method makes all the operation more intelligent and efficient.

Wireless Communication with Different Devices



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Technical Specifications



Measurement Range

Sphere:	-29.00m ⁻¹ ~ +26.75m ⁻¹ (standard mode) -19.00m ⁻¹ ~ +16.75m ⁻¹ (cross cylinder or prism check) Increments (0.25m ⁻¹ /0.50m ⁻¹ /1.00m ⁻¹ /3.00m ⁻¹)
Cylinder:	-8.75m ⁻¹ ~ +8.75m ⁻¹ Increments (0.25m ⁻¹ /1.00m ⁻¹)
Axis:	0~180° Increments (1°/5°/15°)
PD:	Far vision 48~80mm, near vision 48~76mm, increments 0.5/1.0mm near vision work distance: 35~70cm
Rotating prism:	0~20△ Increments (0.1△/0.5△/1△/2△)
Jackson cross cylinder:	±0.25m ⁻¹ , ±0.50m ⁻¹
Double cross cylinder:	±0.25m ⁻¹
Compensation retinoscopy:	+1.50m ⁻¹ (at 67cm distance) , +2.00m ⁻¹ (at 50cm distance)

Auxiliary Lenses

Pinhole plate:	Φ2mm
Maddox rod:	Right eye:red/horizontal, Left eye:red/vertical
Red/green filter:	Right eye: red; left eye: green
Linear polarizing filter:	Right eye: 135°/45° Left eye: 45°/135°
Circular polarizing filter:	Left eye/Right eye
Fixed split prism:	Right eye (3△BU, 6△BU) , Left eye (3△BD, 10△BI)
PD lens:	Binocular (cross)
Fixed cross cylinder lens:	±0.50m ⁻¹ (axis fixed at 90°)

Product Size

Phoropter Head:	376mm*297mm*95mm, 3.8Kg
Control panel:	203mm*210mm*145mm
Power supply:	220V/50Hz, 90VA