

EYE REFRACTOMETER YPC-100/100K

- | Unique design
- | Laser Measurement System
- | Stable MTF (Module Transfer Function)

Excellent capabilities
Simple opacity assessment



Integrating industrial aesthetics, innovative design and flagship performance, it breaks through the industry's inherent impression of EYE REFRACTOMETER, creating objective optometry solutions with advanced concepts and comprehensive functions, and making the measurement results more accurate and stable.

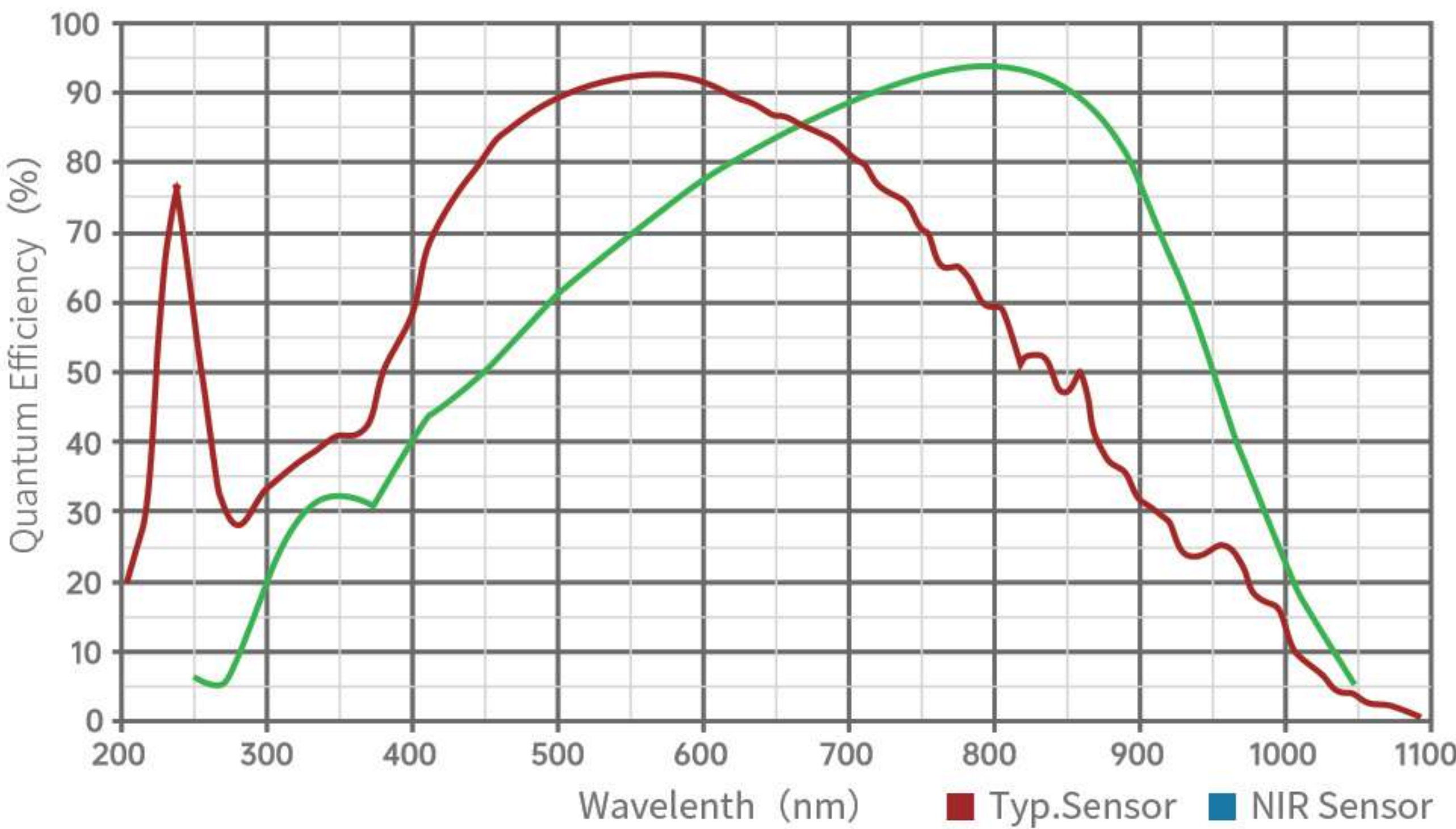


Near infrared laser measurement technology

The near infrared laser measurement brings directional stability, energy concentration, and can produce stable projected images, easily cope with a variety of complex conditions of human eye measurement.

NIR band enhancement sensor

The SONY®NIR band enhanced sensor provides >90% QE(Quantum Efficiency) in the 700-850nm range , improves the signal-to-noise ratio by reducing transient noise, and improves the measurement accuracy and repeatability.



High-performance stepping motor

Equipped with Tow-phase hybrid stepping motor with open-loop control system, which has small resistance and high positioning accuracy, and the movement is stable after 170,000 times durability test.

7 inch Glass+Glass touch screen

1024×600 resolution, 5°- 80° angle adjustment, the brightness, contrast and lifetime use of capacitive screen is better than the ordinary screen.



Measurement of eccentricity

Eccentricity refers to the rate of flattening of the cornea's curvature from the center to the periphery. Measuring eccentricity can assist doctors in quickly assessing the cornea's health, especially in cases of corneal disorders such as corneal deformities and corneal degeneration.

Global image stack technology

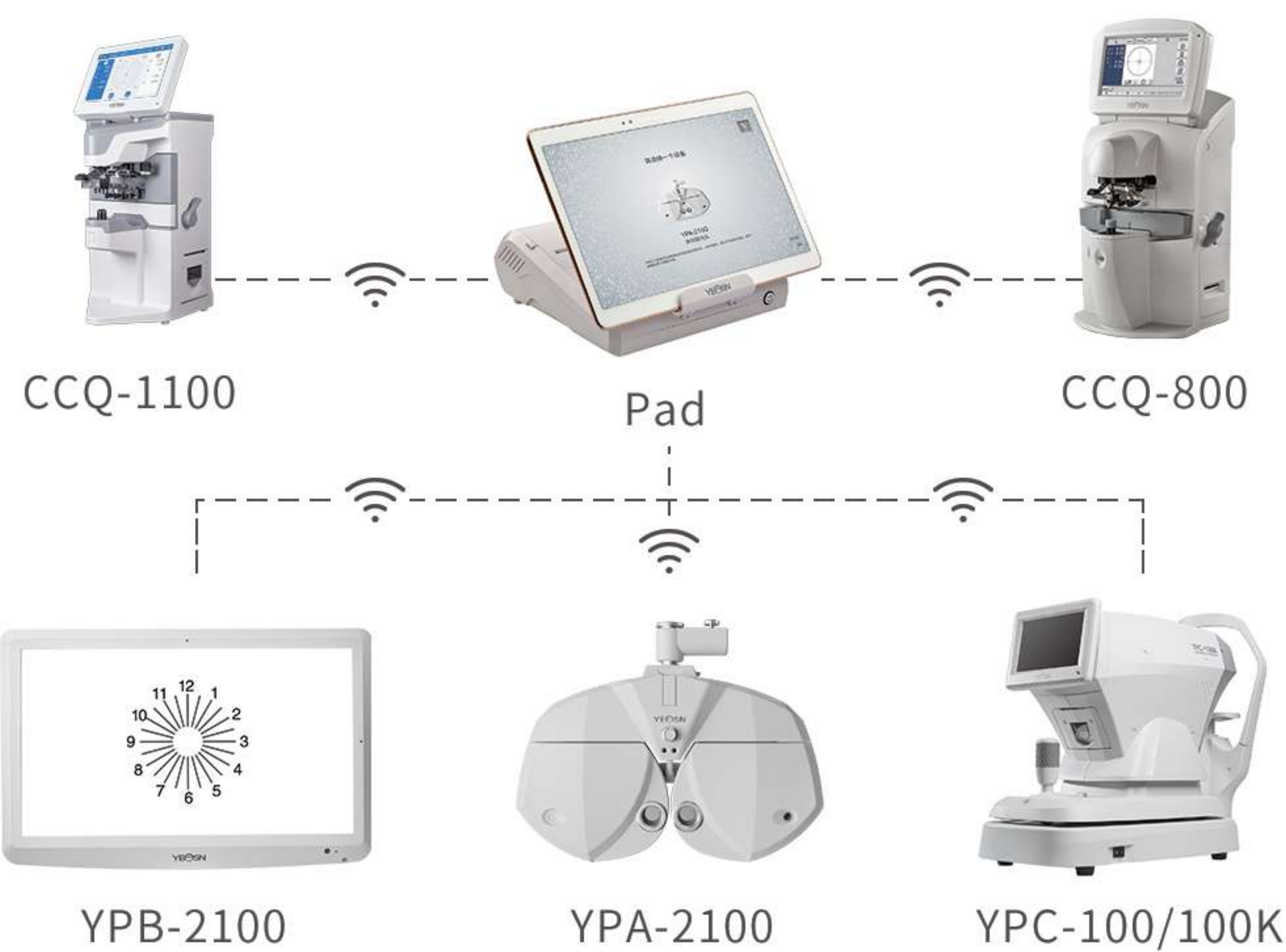
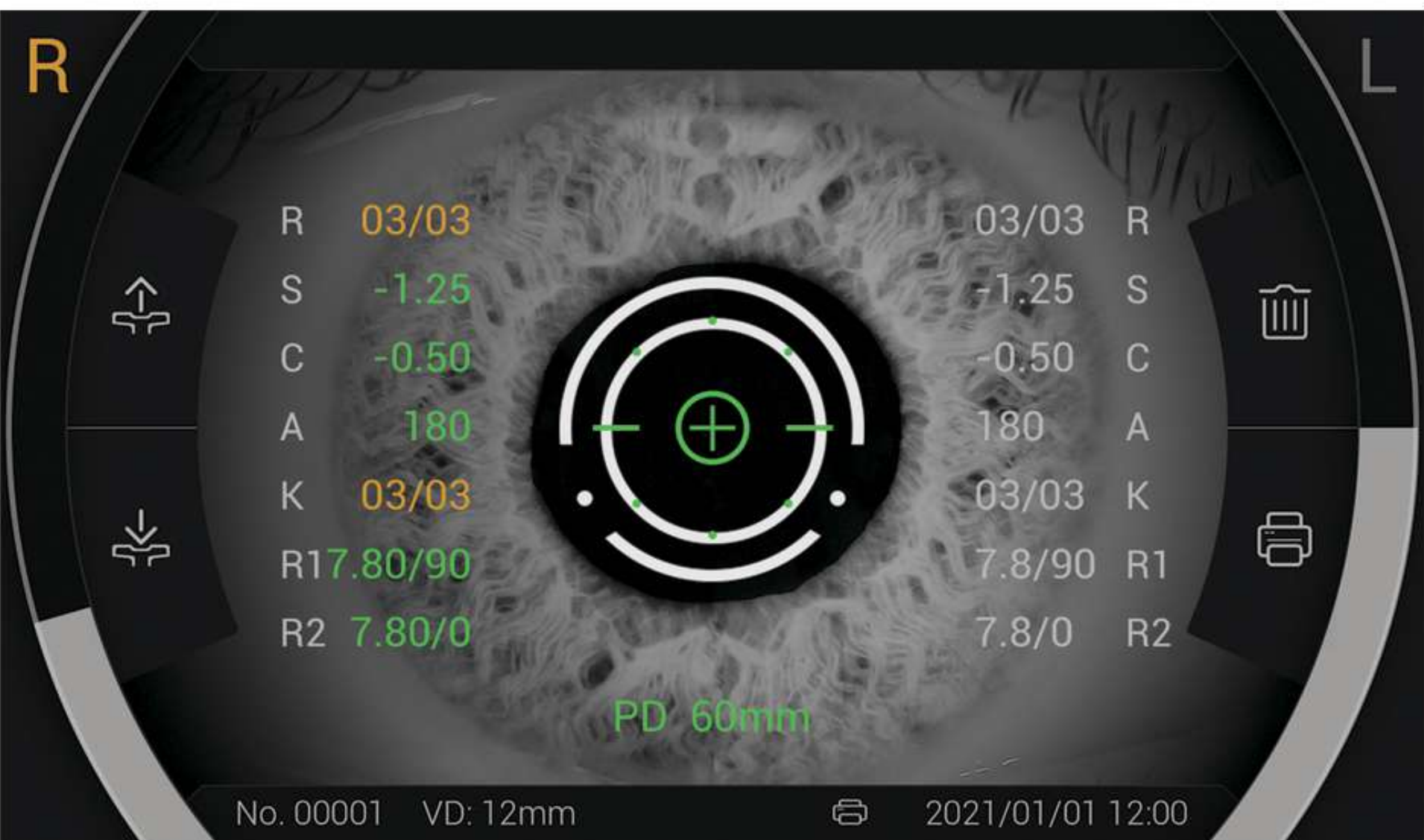
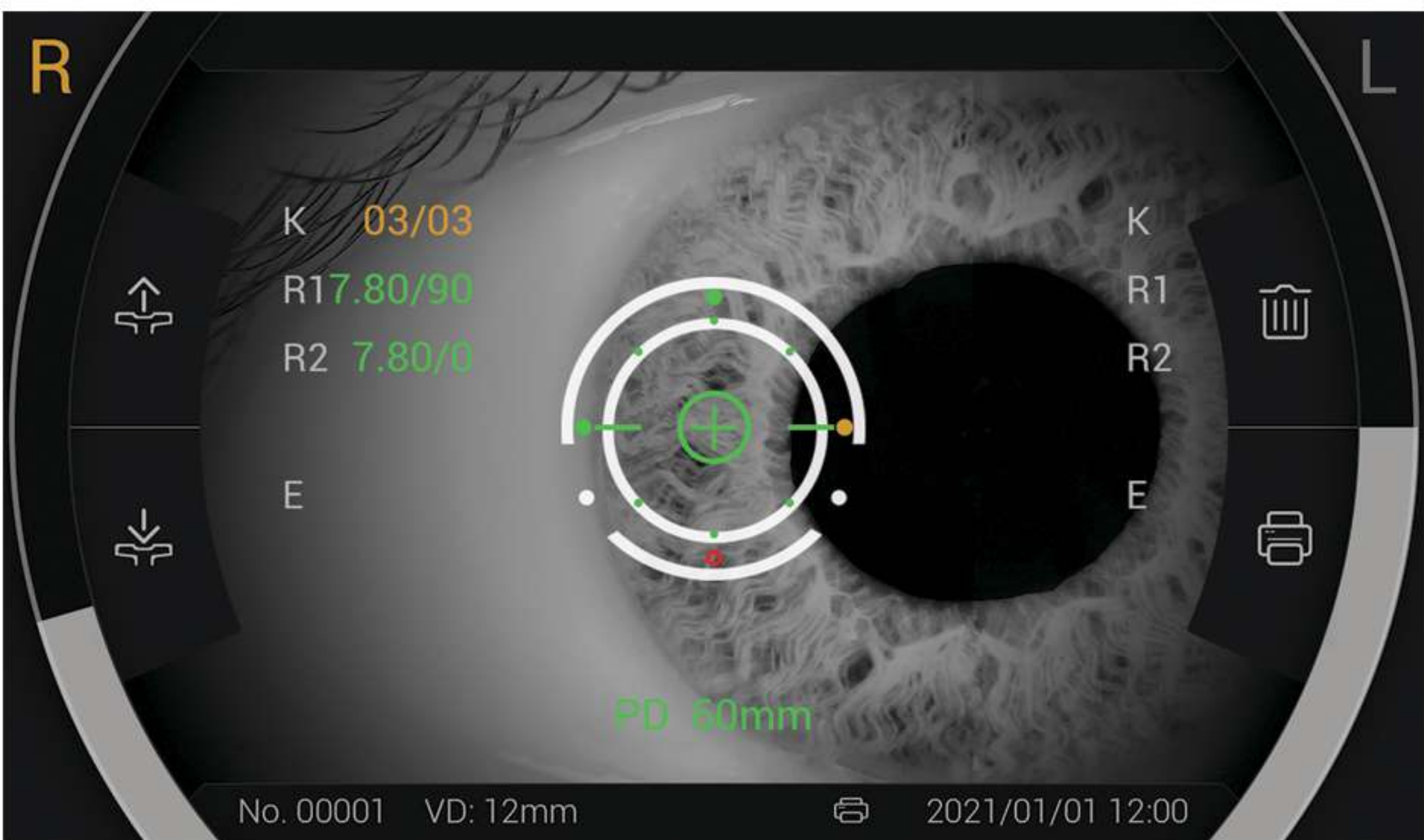
The whole imaging area has excellent image parsing more than 20LP/mm, it can present clear images from the center to the edge. Combined with WDR(Wide Dynamic Range) and multi-frame fusion imaging, it output excellent image quality. The light and dark transition is clear and sharp, and the corneal details are clear.

Real-time display of eye height

The progress bars on both sides of the measurement interface respectively represent the operating path and current position of the chin-rest/Z-axis motor. When the human eye is out of the field of vision, the progress bars can directly make the adjustment that the direction of the chin-rest and measuring window, which is convenient and fast.

Optometry center linkage system

The auto-refractor can build the network connection with the YPA-2100 digital refractor through USB-LAN and RS-232-WLAN. By using the tablet for device configuration and data transfer, the optometry process is improving quickly and efficiently.



YPC-100K
EYE REFRACTOMETERS

Specification

Refraction Measurement

Sphere	-30.00D ~ +25.00D (step0.12/0.25)
Cylinder	-10.00D ~ +10.00D (step0.12/0.25)
Axis angle	0° ~ 180° (step1°/5°)

*Corneal curvature Measurement

*Corneal curvature radius	5.00mm ~ 10.00mm (step0.01mm)
*Corneal refractive power	33.75D~ 67.50D (step0.12/0.25)
	(Corneal equivalent refractive index=1.3375)
*Corneal Cylinder power	-10.00D~ +10.00D (step0.12/0.25)
*Corneal Cylinder Axis	0° ~ 180° (step 1°/5°)

Minimum pupil diameter	Ø2.0mm
Pupil distance measurement	30mm ~ 85mm (step 1mm)
Output	USB, RS-232, LAN
Dimensions	280mm(W)×515mm(D)×460mm(H)
Mass	18kg

*Identifies functions unique to YPC-100K.

The above information is for reference only. If there is any change without prior notice, our company reserves the right of final interpretation

