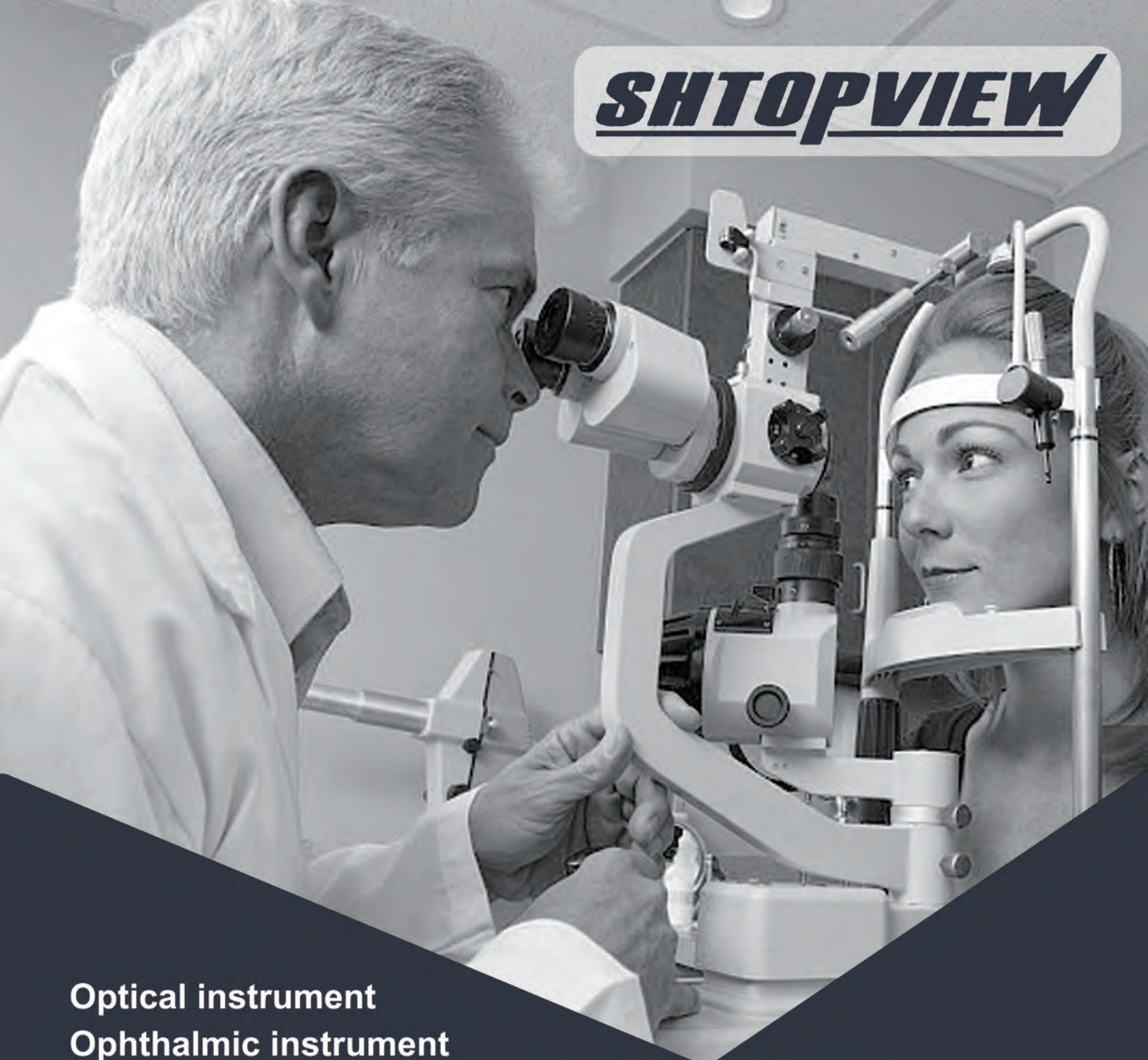


SHTOPVIEW



**Optical instrument
Ophthalmic instrument
Optometry instrument
Medical device
Tools**

**Official website
Alibaba
Aliexpress**





ABOUT COMPANY

Established in 2008, Shanghai Top View industrial Co., Ltd lies in Shanghai,China.

In order to help to improve the working condition of ophthalmologists and optometrists and alleviating the pain of patient,we are committed to providing with high quality equipments, advanced technologies,and best customer service.Our equipment include:

Optometry instruments(auto refractometer, lens meter, phoropter,visual chart ...),
Ophthalmic medical(slit lamp, fundus camera, tonometer, synoptophore...),
Optician machine(lens edger, groover,polisher...),
and glasses shop tools(glasses display rack...) and son on .

Welcome to contact us to start business!



ARK7800A/B

Auto Refrac (Kera) tometer

High precision and accuracy, the most advanced image analysis and processing technology



ARK7800A:
Auto Refractometer
with manual

ARK7800B:
Auto Refractometer
with auto tracking

ARK7800B
Auto Refractometer

Adjust the high resolution color touch widescreen, meet the users' different experiences and feelings



▮ Adjustable LCD Touch Screen



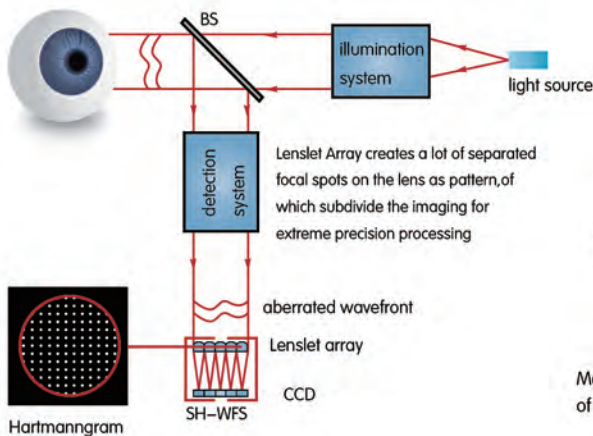
High brightness and contrast SHARP 7" wide color TFT LCD screen, smooth touch mode, different angle can be adjusted

▮ Motorized Chin Rest

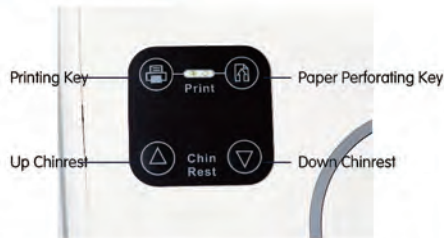


By pressing the Up & Down buttons, the users can set and adjust the height of the patient's chin freely and quickly

▮ Hartmann imaging processing technology



▮ Operation Panel

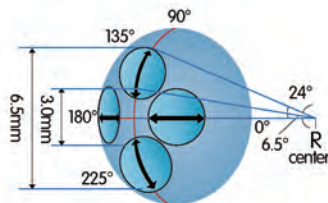


Press the printing key, the printer automatically print out the measured data(no measured data, the printer don't work). Install the printing paper top into the printer mouth, press the paper perforating key, the paper is perforated automatically. Press the up/down chinrest key, automatically adjust the height of chinrest

▮ Auto Paper-Cutting Thermal Printer



Built-in thermal printer that can be easily loaded with a roll of paper, and cut the paper automatically at the end of printing



Measure peripheral keratometry precision of eyes with contact lenses fitting





Eye Socket Range



Start instrument, quickly move the device into the measuring area(black part)

Auto Tracking and Focusing



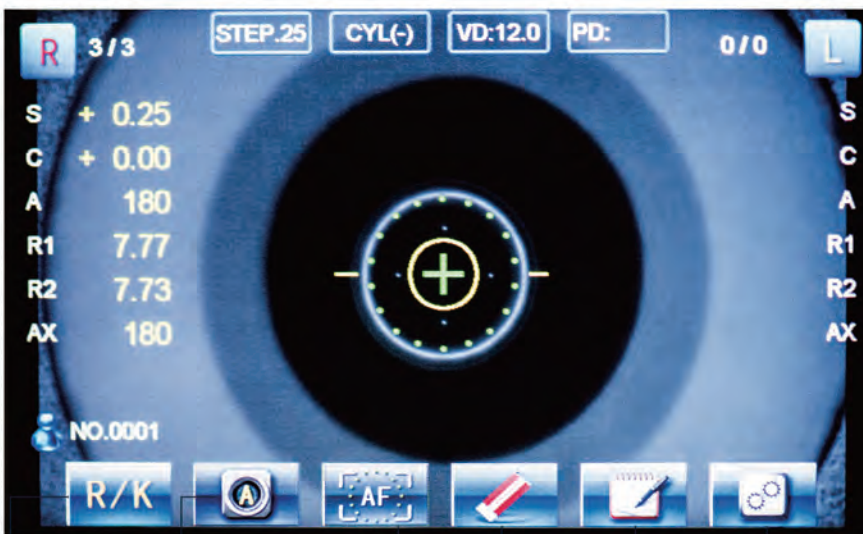
When move the device into the range of the patient's eye socket, it will track down a measuring focus of the eye automatically by the light sensors and 3D mechanism system inside(AF mode)

Auto Measuring



After auto focusing successfully, auto measuring(A mode) is performed. By these performances, an inexperienced user can also complete the measurement perfectly

Operation interface function



- KER** Keratometry
- REF** Refractometry
- R/K** Refracteratometry
- A** Manual Measuring
- AF** Auto Measuring
- Clear**
- Data Record**
- Menu Set**
- Manual focusing**
- Auto focusing**

Intuitive icons provide the user an easier operating circumstances, and make the measurement become more convenient and the data to be measured more accurate and fast

3D Measuring System



Subsidiary Menu



By SET MENU, different functions can be set up according to the actual and specific requirements

Data Record



3 groups of data stored each measurement, maximum 10 groups of data can be stored

Technical parameters



New optical system, unique imaging impression

Hartman imaging analyzing and processing technology, accurate measurement result

TFT touch screen, can move front and back freely

Motorized chinrest

Auto paper-cutting printer

Auto tracking and focusing during measuring

Vertex Distance(VD): 0.0, 12.0, 13.75, 15.0

SPH: $-30.00D \sim +25.00D$ (VD=12mm, 0.01, 0.06, 0.12, 0.25 Unit)

CYL: $0.00D \sim \pm 10.00D$ (0.06, 0.12, 0.25 Unit)

Axis(AX): $1^\circ \sim 180^\circ$ (1° Unit)

Cylinder Form: -, +, \pm

Puiple Distance(PD): 10~86mm

Minimum Pupil Diameter: 2.0mm

Measuring Time: < 0.5s

Pupil Diameter: 2.00~8.00mm

Measuring Light Energy: < 30uw (Insure measuring safety)

Radius of Curvature: 5.0~10.0mm (0.01mm Unit)

Corneal Power: 33.00D~67.00D

(In case that the corneal equivalent refractive power is 1.3375)

Corneal Astigmatism: $0.00D \sim -15.00D$ (0.06D/0.12D/0.25D Unit)

Data Storing: Each 10 measured values of left eyes and right eyes

Axis: $1^\circ \sim 180^\circ$

Chart: Auto fog

Monitor: SHARP 7" TFT LCD touch screen (Angle of view adjustable)

Built-in Printer: 57mm thermal printer, auto paper-cutting

Electrical Power: AC 100~250V, 50/60Hz

N.W.: 22kg

G.W.: 26.5kg

Dimensions(packing): (L)680mm X (W)400mm X (H)640mm

Auto ref-keratometer / Refractometer

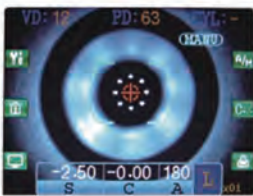
KR-9000 / RM-9000



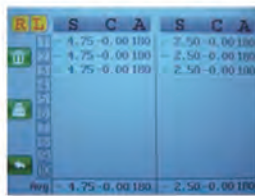
Technical parameters & Features

Features

- Using the ARM processor and the latest domestic image processing, the system is fast and the image is clear.
- Japan's mature optical path system, humanized automatic mist measurement process, to reduce the error caused by adjustment, more precise measurements
- Light rack with integral casting, CNC machining, measuring system is more stable, good consistency
- Color LCD display, 5.7 inches man-machine interface is more comfortable
- PD Automatic measurement function, automatically PD value
- One key lock function, quickly locking mobile platforms
- Innovative designs, accord with the structure of human body engineering, to bring customers good aesthetic feeling and comfortable
- Data transmission with CV7000, improved efficiency of online
- With corneal curvature and dioptre measurement function (KR-9000)



5.7 inch color LCD monitor



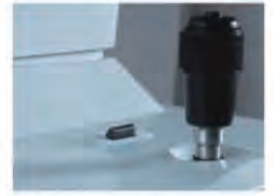
Most each record 10 times, automatic display representative value



Intuitive interface, convenient adjustment, the VD value, the precision and print mode, etc



Automatic mist target, effectively reduce the measurement error caused by adjusting



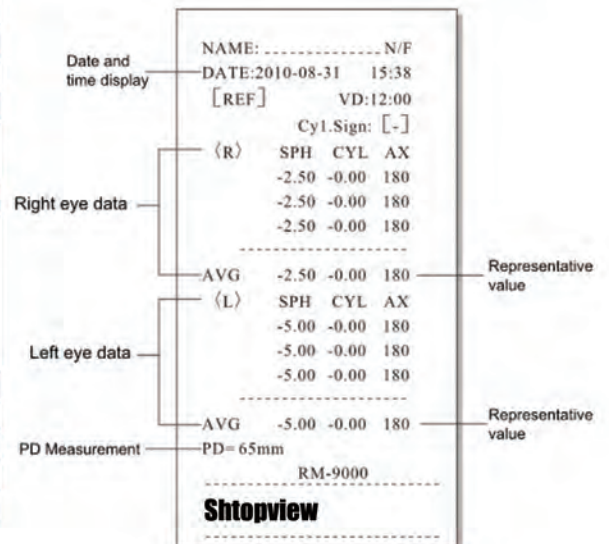
One key lock function, Convenient and practical

Specifications

	KR-9000	RM-9000	
Refractive measurement	Vertex Distance	0.0,12.0,13.75,15.0mm	
	Sphere	-20.00~+20.00D(0.12/0.25D step)	
	Cylinder	0.00~±10.00D(0.12/0.25D step)	
	Axis	1°~180°(1°step)	
	Pupil Distance	30~85mm	
	Min.pupil diameter measurable	∅ 2.0mm	
	Target	Automatic fogging target	
Corneal curvature measurement	Radius of curvature	5~10mm (0.01mmstep)	
	Corneal Refraction	30.00~67.00D(0.12/0.25D step)	
	Corneal Astigmatism	0.00~15.00D(0.12/0.25D step)	
	Angel of cornea	1°~180° (1°step)	
	Corneal diamete	2.0~12.00mm	
Hardware specification	Monito	5.7 inch Color LCD	
	Printer	Fast thermal printer	
	Power saving function	OFF, 5/15 mins (selectable)	
	Power suppl	AC110~220V, 50/60Hz, 50W	
	Dimensions/weight	288 (W) *500(D)*480(H)mm/ 14kg	



Fast thermal printer



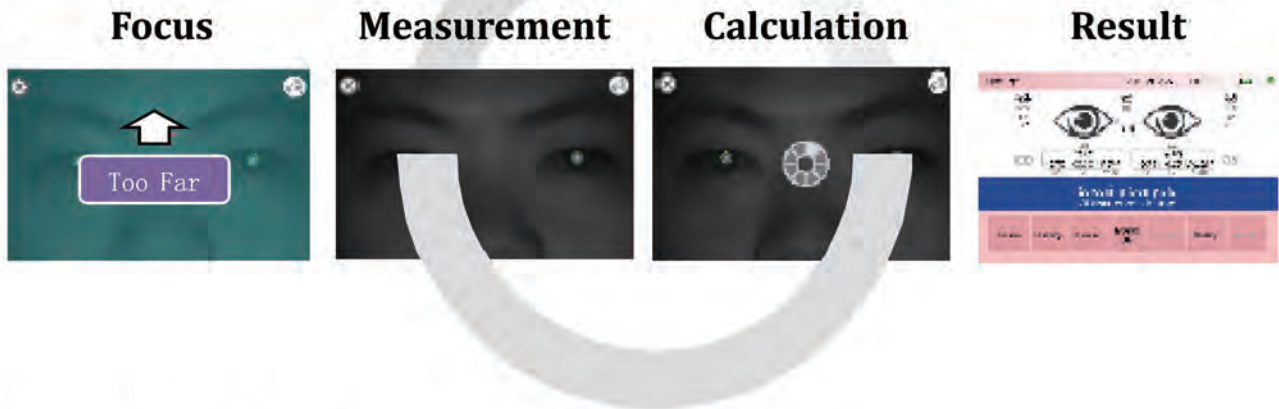
TPV-800



Vision screener

Technical parameters & Features

The whole optometry process 3'-5'



Technical data

- Operation mode:** Bino/Mono
- Optometry:** Automatic
- DS:** Range: $-7.50D \sim +7.50D$
Resolution: $0.25D/0.01D$
Accuracy: $\pm 0.50D$
- DC:** Range: $0.00D \sim 3.00D$
Resolution: $0.25D/0.01D$
Accuracy: $\pm 0.50D$
- Axis:** Range: $1^\circ \sim 180^\circ$
Resolution: 1°
Accuracy: $\pm 5^\circ$
- Pupil size:** Range: $4.0 \text{ mm} \sim 9.0 \text{ mm}$
Resolution: 0.1 mm Accuracy: $\pm 0.1 \text{ mm}$
- Pupil distance:** Range: $35 \text{ mm} \sim 80 \text{ mm}$
Resolution: 1 mm Accuracy: $\pm 1 \text{ mm}$
- Gaze:** $0^\circ \sim 20^\circ$
- Measuring distance:** $1 \text{ m} \pm 5 \text{ cm}$
- Time per measurement:** $\sim 1 \text{ s}$
- Fixation target:** Light flash, attractive sound
- Data interface:** Wi-Fi, USB
- Printer interface:** USB
- Battery:** Rechargeable lithium batteries, 6 hours of duration, Replaceable
- Size:** $180 \text{ mm} \times 130 \text{ mm} \times 110 \text{ mm}$
- Display:** 5 inch touch screen
- Weight:** 0.8Kg
- Optional accessories:** Camera tripods, printer, etc



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Specification:		
Measurement mode	Cornea/ refractometry measurement mode	keratometry/refractometry
	Mode of keratometry	refractometry
	Refractometry measurement mode	keratometry
Refractometry	Vertex Distance	0, 10 ,12, 13.5 , 15mm
	Spherical degree	-20.00~+20.00D(VD=12 mm, 0.12or0.25D)
	Cylinder degree	0.00~+/-8.00D(0.12 or 0.25D)
	Axial	1~180°(step 1°)
	Cylinder Symbol	- , + , +/-
	pupil distance	30~85 mm
	Minimum pupil diameter	2.0 mm
	Measuring time	0.07sec
Keratometry	Radius of curvature	5.0 ~10. 2 mm
	Corneal refractometry	33.00 ~ 67.50D
	Corneal astigmatism	0.00 ~ -15.00D (0.12/0.25D)
	Corneal diameter	2.0 ~ 12.0 mm
Others	printer	Thermal printer
	Saving Settings	5 , 15 Minutes
	Monitors	8 inch of TFT monitors
	Auto Tracing Function Range	±16mm (up and down direction only)
	Power	AC 100 ~ 240V, 50/60HZ/90W
	Size / Weight	484(L)×270(W) ×450(H) mm /17KG
	Jaw panel	Max 55 mm

Auto Refractometer	
Vertex distance	0mm, 12mm, 13.75mm
Spherical	-20 - +20D (VD=12) 0.12/0.25D Step
Cylinder	-8 - +8D 0.12/0.25D step
Axis	0-180D 1D step
Cylinder form	- , + , +/-
Pupil distance	45-88mm, 1mm step
Min. pupil size	2.0mm
Keratometry	
Radius of curvature	5.0-10mm (increment:0.01mm)
Corneal Power	33.75-67.50D (when cornea equivalent refractive index is 1.337) Increment selectable from 0.12,0.25D
Corneal astigmatism	0.00-8.00D (Increment selectable from 0.12,0.25D)
Axis	1-180D (increment:1 D)
Corneal diameter	2.0 -14mm (increment:0.1mm)
Memory of data	10 measure value for each right and left eye
Others	
Chart	Auto fog
Display	5.7" color LCD (FA-6800 & FA-6100A/6100K), 5.6 Color LCD (FA-6000A)
Print	Thermal printer
Power supply	100 ~ 240V 50/60HZ
Dimension	280mm (w) x 540mm (L) x 509 mm (H) (FA-6800) 280mm (w) x 492mm (L) x 462mm (H) (FA-6000A & FA-6100A/6100k)
Weight	22kg (FA-6800) 20kg (FA-6000A & FA-6100A/6100k)



- convenient user menu setting
- easy to operate, one-hand control
- auto fog chart



FA-series

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KR-8900 AUTO REFRACTOMETER	
Refraction measurement	Sphere: - 25.00 ~ + 22.00D (0.12/0.25D steps)
	Cylinder: -8.00 D ~ + 8.00D (0.12/0.25D steps)
	Axis: 1°~ 180 (steps 1)
Pupil Distance	45-85mm, 0.5mm steps
Vertical Distance	0mm, 12mm, 13.75mm
Minimum pupil diameter	2.0mm
Charter	Automatic fogging method
Display	TFT Color LCD Screen
Printer	Import Thermal Printer
Power supply	100~120V/200~ 240V, 50/60Hz
Dimension	275(W)* 509 (D) * 430-460 (H) mm
Weight	18kg

Vertex distance	0,12,13.75,15mm
Spherical	-20 - +20D (VD=12) 0.12/0.25D Step
Cylinder	0.00~+/- 10.00D (0.12 or 0.25D Steps)
Axis	0-180D 1D step
Cylinder form	-, +, +
Pupil distance	30-85mm
Min. pupil size	2.0mm
Measuring Ring time	0.5 sec
Radius of Curvature (ARK-810)	5.0-10mm
Corneal refractometer(ARK-810)	33.00-67.00D
Corneal Astigmatism(ARK-810)	0.00-15.00D(0.12/0.25D steps)
Corneal Diameter(ARK-810)	2.0-12mm
Others	
Display	5.7" TFT LCD
Print	Thermal printer
Auto Tracing Function Range	+/- 16mm (up and down direction only)
Power	AC 100-240V, 50/60HZ/90W
Jaw Panel	Max 55mm



MORE PRODUCT

Technical parameter	
Vertex Distance:	0.0mm,12.00mm,13.5mm,15.00mm
Spherical Degree:	-20.00D~20.00D,(VD=12mm,step:0.12D/0.25D)
Cylinder degree :	0.00D~10.00D(step:0.12D/0.25D)
Axis:	1°~180°(step1°)
Cylinder symbol:	-,+,MIX
The degree of arming turning:	90°
Minimum pupil diameter:	2.0mm
Radius of curvature:	6.5mm~9.4mm(step:0.02mm)
Printer:	Thermal printer
Monitors :	6.4inch of TFT monitors
Power supply:	AC220V,50Hz
Power:	75VA
size:	506mm x 269mm x 477mm
Weight:	About 21Kg



Measurement mode	Cornea/ refractometry measurement mode	keratometry/refractometry
	Mode of keratometry	refractometry
	Refractometry measurement mode	keratometry
Refractometry	Mode of CLBC	Substrate curvature of contact lens
	Vertex Distance	0,10 ,12,13.5 ,15mm
	Spherical degree	-25.00~+22.00D(VD=12 mm,0.12or0.25D)
	Cylinder degree	0.00~+/-10.00D(0.12 or 0.25D)
	Axial	1°~180 °(step 1°)
	Cylinder Symbol	-, +, +/-
	pupil distance	10~85 mm
	Minimum pupil diameter	2.0 mm
Keratometry	Measuring time	0.07sec
	Radius of curvature	5.0 ~10. 2mm
	Corneal refractometry	33.00 ~ 67.50D
	Corneal astigmatism	0.00 ~ -15.00D (0.05/0.12/0.25D)
Others	Corneal diameter	2.0 ~ 14.0mm
	printer	Thermal printer
	Saving Settings	3 , 5 , 10 Minutes
	Monitors	5.6inch of TFT monitors
	Power	AC 100 ~ 240V,50/60HZ/90W
	Size / Weight	248(W) × 476(D) × 475(H) mm /21kg
	Jaw panel	Max 55 mm
Data Output	Rs-232 interface , Video output	



BL-88D

Digital Slit
lamp
Microscope



Camera interface
(splitter / adapter)



Professional SLR camera



Technical parameters & Features

BL-88D · Slit Lamp Microscope

Five-step drum magnification for eyepiece. Sclera vein could be observed under the 40x magnification

All the optical lenses are moistureproof, mildewproof and anti-reflected treated

Large spot diameter, slit length reach to 14mm, more comprehensive view of the eye condition

Multi-coated optical glass technology, imaging is clear and bright, the view field is wide.

Osram light bulbs, small heat, high-brightness, spot uniformity

Handrail design, user-friendly and the convenience of patients

Oversized joystick space, move base does not touch the hand

All the joints can be connected by accessories with international standards

Microscope	Microscope Type	Galilean stereoscopic microscope
	Magnification Selection	5 steps by drum rotation
	Eyepiece	12.5x
	Magnification Ratio (Field of View)	6x(33mm), 10x(22.5mm), 16x(14mm), 25x(8.8mm), 40x(5.5mm)
	Pupillary Adjustment	50mm ~ 82mm
	Diopter Adjustment	±7D
Base	Side Shift	110mm
	Depth Shift	90mm
	Height Shift	30mm
Chin rest	Height Shift	80mm
	Fixation Target	Red LED
Illumination system	Slit Width	0 ~ 14mm Continuous(at 14mm, slit becomes a circle)
	Slit Height	1 ~ 14mm Continuous
	Slit Angle	0° ~ 180° adjustable
	Slit Inclination	5°、10°、15°、20°
	Diameter of Light Spot	φ14mm、φ10mm、φ5mm、φ3mm、φ2mm、φ1mm、φ0.2mm and 1~14mm continuous
	Filter	Heat Absorption, Grey, Red-Free, Cobalt,Blue,Green,Yellow, Red,Anti-UV
	Illumination Bulb	12v 50w halogen lamp
Power	Input Voltage	110V/220V AC
	Frequency	50/60Hz
	Power Consumption	68VA
Weight And Size	Gross Weight	18kg
	Dimension	690mm (L) × 440mm (W) × 420mm (H)

BL-88

Slit Lamp
Microscope



Technical parameters & Features

BL-88 · Slit Lamp Microscope

Five-step drum magnification for eyepiece. Sclera vein could be observed under the 40x magnification

All the optical lenses are moistureproof, mildewproof and anti-reflected treated

Large spot diameter, slit length reach to 14mm, more comprehensive view of the eye condition

Multi-coated optical glass technology, imaging is clear and bright, the view field is wide

Osrarm light bulbs, small heat, high-brightness, spot uniformity

Handrail design, user-friendly and the convenience of patients

Oversized joystick space, mobile base does not touch the hand

All the joints can be connected by accessories with international standards

Microscope	Microscope Type	Galilean stereoscopic microscope
	Magnification Selection	5 steps by drum rotation
	Eyepiece	12.5x
	Magnification Ratio (Field of View)	6×(33mm), 10×(22.5mm), 16×(14mm), 25×(8.8mm), 40×(5.5mm)
	Pupillary Adjustment	50mm ~ 82mm
	Diopter Adjustment	±7D
Base	Side Shift	110mm
	Depth Shift	90mm
	Height Shift	30mm
Chin rest	Height Shift	80mm
	Fixation Target	Red LED
Illumination system	Slit Width	0 ~ 14mm Continuous(at 14mm, slit becomes a circle)
	Slit Height	1 ~ 14mm Continuous
	Slit Angle	0° ~ 180° adjustable
	Slit Inclination	5°、10°、15°、20°
	Diameter of Light Spot	φ14mm、φ10mm、φ5mm、φ3mm、φ2mm、φ1mm、φ0.2mm and 1~14mm continuous
	Filter	Heat Absorption, Grey, Red-Free, Cobalt Blue
	Illumination Bulb	12v 50w halogen lamp
Power	Input Voltage	110V/220V AC
	Frequency	50/60Hz
	Power Consumption	68VA
Weight And Size	Gross Weight	18kg
	Dimension	690mm (L) × 440mm (W) × 420mm (H)

BL-66B

Slit Lamp
Microscope



Technical parameters & Features

BL-66B · Slit Lamp Microscope

Microscope	Microscope Type	Converging stereoscope microscope
	Magnification Selection	Two Steps Magnifications
	Eyepiece	10x
	Magnification Ratio (Field of View)	10×(18mm)、16×(14.5mm)
	Pupillary Adjustment	50mm ~ 82mm
	Diopter Adjustment	±5D
Base	Side Shift	110mm
	Depth Shift	90mm
	Height Shift	30mm
Chin rest	Height Shift	80mm
	Fixation Target	Red LED
Illumination system	Slit Width	0 ~ 9mm Continuous (at 9mm, slit becomes a circle)
	Slit Height	1 ~ 8mm Continuous
	Slit Angle	0° ~ 180° adjustable
	Diameter of Light Spot	φ9mm、φ8mm、φ5mm、φ3mm、φ2mm、φ1mm、φ0.2mm
	Filter	Heat Absorption, Grey, Red-Free, Cobalt Blue
	Illumination Bulb	12v 50w halogen lamp
Power	Input Voltage	110V/220V AC
	Frequency	50/60Hz
	Power Consumption	68VA
Weight And Size	Gross Weight	18kg
	Dimension	690mm (L) × 440mm (W) × 420mm (H)

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Microscope	Microscope Type	Converging stereoscope microscope
	Magnification selection	two steps magnifications
	Eyepiece	10X
	Magnification Ratio(Field of view)	10X(18mm), 16X(14.5mm)
	Pupillary Adjustment	50mm ~ 82mm
	Diopter Adjustment	± 5D
Base	Side Shift	110mm
	Depth shift	90mm
	Height shift	30mm
Chin rest	Height Shift	80mm
	Fixation Target	Red LED
Illumination system	Slit Width	0 ~ 14mm Continuous (at 14mm , slit becomes a circle)
	Slit Height	0 ~ 14mm Continuous
	Slit Angle	0° ~ 180° adjustable
	Slit Inclination	0° ~ 23 °
	Diameter of Light Spot	014mm, 010mm, 05mm, 03mm, 02mm, 01mm, 00.2mm and 1 ~ 14mm Continuous
	Filter	Heat Absorption , Grey ,Red-Free , Cobalt Blue
	Illumination Bulb	12v 50w halogen lamp
Power	Input Voltage	110V / 220V AC
	Frequency	50 / 60 HZ
	Power Consumption	68 VA
Weight and Size	Gross Weight	18kg
	Dimension	690mm(L) × 440mm(W) × 420mm(H)

Microscope	Microscope Type	Converging stereoscope microscope
	Magnification selection	two steps magnifications
	Eyepiece	10X
	Magnification Ratio(Field of view)	10X(18mm), 16X(14.5mm)
	Pupillary Adjustment	50mm ~ 82mm
	Diopter Adjustment	± 5D
Base	Side Shift	110mm
	Depth shift	90mm
	Height shift	30mm
Chin rest	Height Shift	80mm
	Fixation Target	Red LED
Illumination system	Slit Width	0 ~ 9 mm Continuous (at 9mm , slit becomes a circle)
	Slit Height	0 ~ 8mm Continuous
	Slit Angle	0° ~ 180° adjustable
	Slit Inclination	0° ~ 23 °
	Diameter of Light Spot	09mm, 08mm, 05mm, 03mm, 02mm, 01mm, 00.2mm
	Filter	Heat Absorption , Grey ,Red-Free , Cobalt Blue
	Illumination Bulb	12v 50w halogen lamp
Power	Input Voltage	110V / 220V AC
	Frequency	50 / 60 HZ
	Power Consumption	68 VA
Weight and Size	Gross Weight	18kg
	Dimension	690mm(L) × 440mm(W) × 420mm(H)



BL-SERIES

MORE PRODUCT



Microscope	Type	Galileo parallel style super optic
	Magnification change	Five magnification
	Eyeiece	12.5x
	Total magnification	6x 10x 16x 25x 40x
	Field of View	6X: 33mm, 10X: 20mm, 16X: 13mm, 25X: 8mm, 40X: 5mm
	Range of adjusting the distance of pupil	55 mm-75 mm
	Range of adjusting eyepieces	-8D - +8D
	Magnification	0.794x
	Slit width	0mm-14mm
	Slit length	1mm-14mm
	Diameter of aperture	φ14mm, φ10mm, φ5mm, φ2mm, φ1mm, φ0.2mm
	Slit angle	0-180
	Illumination angle	0, 5, 10, 15, 20
	Filter	Heat absorption, Grey, red free(Green), Cobalt blue
Moving	Bulb	12v, 50w halogen bulb
	Forward and backward moving	90mm
	Left and right moving	100mm
	Handle moving	15mm
Jaw bracket part	Up and down moving	30mm
	Fixation	80mm
Power	Fixation	Red LED
	Input voltage	110/220V±10%
	Input frequency	50/60Hz
	Input power	60VA
	Output voltage	Illumination: 4.5V 9V 12V Fixation: 6V
Weight and Dimension	Safe standard of electric	IEC601-1, type I of BF Model
	Packing box	700mmx545mmx500mm
	Gross weight	25Kg
	Net weight	21Kg

Technical Specification	
Model	SLM-2ER
Microscope Type	Galileo Parallel
Digital System	No
Magnification Change Way	Drum Five Magnifications
Eyeiece Magnification	12.5x
Total Magnifications	6x 10x, 16x, 25x, 40x
Diopter Adjustment	-5D ~+5D
Illumination	Five Steps (Stepless Optional)
Slit Width	0-14MM Continuous
Slit Height	1-14MM Continuous
Slit Angle	0°- 180° Adjustable
Slit Inclination Angle	5°10°15°20°
Light Source	High Light Source
Light Spot Diameter	0.2mm, 1mm, 2mm, 5mm, 10mm, 14mm
Filter	Heat Absorption; Grey; Redfree; Cobalt Blue
Fixation	Red LED
Electrical	
Illumination Bulb	German Halogen Tungsten Lamp
Input Voltage	110V/220V (±10%)
Input Power	60VA
Diffuse Lens	Yes
Preset Lens	Yes
Laser Interface	Optional
Applanation Tonometer Interface	Yes



SLM-series S-series





Portable slit lamp

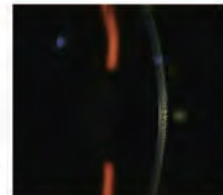
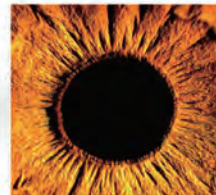
DIGITAL HAND HELD SLIT LAMP(HSL)

PRODUCT OVERVIEW

This is a portable medical camera for anterior segment imaging, diagnosis and especially for anterior disease screening. It's compact, easy to obtain high definition images. It can be conveniently applied to rapid screening, out diagnosis, bedside diagnosis and remote medical treatment, etc.



-  High magnification and real-time display
-  High definition image and stable performance
-  Easy operation, fast and smooth capture
-  Professional optical design and large view



PRODUCT TECHNICAL PARAMETERS



MAGNIFICATION	10X	PICTURE FORMAT	JPEG(Photograph)
WORKING DISTANCE	80mm	POWER	3.7VLithium Battery
SLIT WIDTH	0-12mm continuously adjustable	TRANSMISSION	WiFi、Mini USB
APERTURE DIAMETER	0.2mm, 1mm, 5mm, 12mm	STORAGE	8GB Micro SD card
FILTER	Heat-absorption, Red-free Cobalt blue	INTERFACE	Mini USB, Av, WiFi
IMAGE RESOLUTION	1920x1080	SIZE	140mm(W)x118mm(D)x225mm(H)
LIGHT SOURCE	White LED/IR	N. W.	580g
SCREEN	3.5 'color	PACKING SIZE	36*26*22

MORE PRODUCT



- 1, can be used to check children, the elderly, inconvenient to move the patient
- 2, for veterinary medicine
- 3, for forensic investigation site

Light bulbs with a high degree of white LED, long life;

Configuration rechargeable lithium battery, each charge can be used 5-6 hours;

Light and smart, weighing only 750 grams;

Hand-held slit lamp microscope eyepiece with linkage function, and with four spots;

Sets the topic of desktop slit lamp function, is the world's first;

Can be upgraded to digital handheld slit lamp microscope.



Auto Lens Meter

JS-700A / JS-700AT

JS-700A full function PD+Printer+UV

JS-700AT touch screen with full function PD+Printer+UV

1. Accurately measuring the low-degree lens below $\pm 0.12m^{-1}$
2. Measuring the colored lens with 10% transmittance.
3. Displaying the PH value in screen.
4. Measuring the progressive lens accurately and quickly.
5. Optionally installing PD measuring instrument, UV measuring instrument and thermal printer.
6. User friendly interface with easy operation; fast measurement, high accuracy and good repetition.



SHTOPVIEW

Technical parameters & Features

JS-700 Series Auto lensmeter

Specifications

Sphere	-25.00D~+25.00D (0.01D/0.12D/0.25D steps)
Contact Lenes	-25.00D~+25.00D (BC=6.00~9.00) (0.01D/0.12D/0.25D steps)
Cylinder	-10.00D ~+10.00D(-,MIX,+) (0.01D/0.12D/0.25D steps)
Axis	0° ~180° (1°steps)
ADD	0.00D~ ±10.00D (ADD and AD2)
Prism	0.00△ ~10.00△ (horizontal , vertical) (0.01D/0.12D/0.25D steps)
PD measuring range	80mm
Diameter for sphere	Φ20~ Φ100mm
Diameter for contact lens	Φ5mm
Auto ABBE adjust	20~60
Color LCD display	5.7inches TFT LCD Monitor
Printer	Thermal Printer
Power supply	AC100(±10%)~240(±10%)V 50/60HZ 40VA
UV	Built in
Data interface	RS-232
Dimensions	190 (W) ×205 (D) ×418 (D) mm
Weight	4.5kg

MORE PRODUCT



Range of measurement	
Sphere	0~±25D 0.01/0.12/0.25D step
Cylinder	0~±9.99D 0.01/0.12/0.25D step
Axis	0°~180° (1°step)
Add.	0~+9.99D 0.01/0.12/0.25D step
Prism degree	0~15Δ 0.01/0.12/0.25D step
Measurement mode	
Cylinder	+,+/-,-
Prism	X-Y,P-B
Contact lens	Soft/hard
Measuring mode	Single/progressive/ automatic recognition
Specifications	
Diameter of lens	Φ20~108mm
PD	40~90mm, 0.5mm step
Speed of measurement	0.1s
Display	7" TFT LCD 758×480 pixels
Printer	Thermal Printer
Dimension	222(D)×161(W)×372(H)mm
Package	515(H)×320(W)×390(D)mm
Weight	~5KG
Power supply	100~240V 50~60HZ



7.0 inch color LCD touch panel

Hartman sensor with 108 multiple measure points

Green measurement light beam

Dyeing lens, sunglasses measured easily

	Measurement Range
Sph. Lenses	0~±25D
Cyl. Lenses	0~±10D
Cyl. Axis Angle	0~180°
Prism	0~10Δ
ADD	0~10D
Power Supply	AC 100~240V, 50/60HZ, 30W
Dimension	215(W)×252(D)×428(H)
Weight	5.0KG



3D Patternless lens edger



PLE-6800
Edger & Scanner

Technical parameters & Features

TECHNICAL PARAMETERS

Lens processing system

Beveling , Flat, Grooving, Polishing, Chamfering: Auto Mode and Guided Mode
Processing Lens: Glass Lens, Plastic& Resin Lens, Polycarbonate Lens

Diamond Wheels:

Rough Grinding Wheel for Glass Lens: 100mm in diameter, 17mm in width
Rough Grinding Wheel for Polycarbonate & Resin Lens : 100mm in diameter, 22 mm in width
Fine Grinding Wheel : 100 mm in diameter, 23mm in the width
Polishing Wheel for Flat Edger :100mm in diameter,12mm in width

Water Supply System :

Pump : AC 100~240V

Processing Accuracy :

Lens Accuracy : $\pm 0.05\text{mm}$
Axis Angle : $\pm 1^\circ$

Tracing Unit :

Measurement accuracy : $\pm 0.05\text{mm}$
Measurement time: 20 second

Whole System:

Dimensions:520mm(L) \times 485mm(D) \times 350mm(H)
N.Weight: 48kgs
G.Weight: 55kgs
Power Supply:100~240V 50/60Hz
Power consumption:1.2KVA(max.during processing)



ALE-1000

2D Patternless lens edger

Technical parameters & Features

Features of Patternless Auto Lens Edger ALE-1000:

1. High-resolution of 640*480, 5.7-inch TFT LCD, 1:1 lens photograph display and user-friendly operator interface
2. Smooth appearance design, including main body, scanner and center meter
3. More lens edgering program: CR-39, high index, superhard coating, glass, PC and trivex lenses
4. Two operation modes: Optical centering and Geometric centering
5. Self-correct scanning, including axis and the distance of nose bridge
6. 100mm diameter grinding wheels can process high curved lenses
7. Bevel polishing makes lens mounting perfect
8. Inheriting the traditional advantages of the security, stability, firmness, durability of the traditional LE series lens edger

Specifications of of Patternless Auto Lens Edger ALE-1000:

- Weight: 60KGS
- HZ: 50HZ
- Sounds: $\leq 80\text{DB}$
- Voltage: $220\text{V}\pm 10\%$
- Power: $\leq 500\text{W}$
- Accuracy: Tolerance $\pm 0.01\text{mm}$
- Size range: 20mm~80mm
- Axis accuracy: 0.1°
- The adjustable step length of size: .05mm
- Clamping pressure: 80kgs
- The processing type: pointy edger, platband, bevel polishing, platband polishing.
- Power of main motor: 380W
 - Working environment: $5^\circ\text{C}\sim 40^\circ\text{C}$
 - Out size: 650mm*550mm*480mm

Patternless lens edger

Full automatic free grinding machine

SJG-800





SJG-800

AUTO LENS EDGER磨边机技术参数

外型尺寸 (Dimension)	625mmx510mmx510mm
重量 (Weight)	49kg
电压 (Voltage)	AC 220v/110v 50/60Hz
功率 (Power)	550w
磨片直径 (Size range)	ø22-80mm
磨片夹紧力 (Clamping pressure)	三档可调 (Third gear adjustable)
砂轮直径 (Wheel diameter)	ø 100mm

AUTO LENS SACNNER 扫描仪技术参数

外型尺寸 (Dimension)	240mmx180mmx130mm
重量 (Weight)	5kg
电压 (Voltage)	AC 220v/110v 30/60Hz
功率 (Power)	60w
液晶屏可调角度 (Screen tilt angle)	20°-100°
液晶屏 (Touch screen)	7寸真彩触摸屏 (7inch capacitive screen)
可连接设备数量 (Quantity of connecting with the main machine)	2台 (2 unit)

MORE PRODUCT



Technical Parameter	
The size of Diamond wheel: (The diameter and width of Grinding wheel)mm	PC Wheel : 100x16 Glass Wheel :100x14 V Groove Wheel:100x23 Bevel Polishing Wheel: 100x19
Available lens range:	22mm~100mm
The processing type:	pointy edges, platband , flat and bevel polishing
The lens material:	CR, Glass, PC
Product size:	530Lx500Wx400H (mm)
Package size:	770Lx710Wx630H (mm)
Weight :	50KG
Voltage:	Voltage:220V±10% frequency:50Hz
Power:	500W



Technical Parameter	
The size of Diamond wheel: (The diameter and width of Grinding wheel)mm	PC Wheel : 100x16 Glass Wheel :100x14 V Groove Wheel:100x23 Bevel Polishing Wheel: 100x19
Available lens range:	22mm~100mm
The processing type:	pointy edges, platband , flat and bevel polishing
The lens material:	CR, Glass, PC
Product size:	510Lx490Wx400H (mm)
Package size:	770Lx710Wx630H (mm)
Weight :	49KG
Voltage:	Voltage:220V±10% frequency:50Hz
Power:	500W



Technical Parameter	
The size of Diamond wheel: (The diameter and width of Grinding wheel)mm	PC Wheel : 100x16 Glass Wheel :100x16 V Groove Wheel:100x23 Polishing Wheel: 100x19
Available lens range:	22mm~100mm
The processing type:	pointy edges, platband , flat polishing
The lens material:	CR, Glass, PC
Product size:	510Lx490Wx400H (mm)
Package size:	770Lx710Wx630H (mm)
Weight :	51KG
Voltage:	Voltage:220V±10% frequency:50Hz
Power:	500W



SJG-series

CV-600

Auto Vision Tester

Features:

- Easy for measurement
- 10.4 Inch LCD more comfortable to touch.
- Automatically cross cylinder measurement.
- PD and the anterior eye alignment In a dark room.
- Compact design enables face to face test.



CV-600

Auto Vision Tester

Specifications

Spherical power	+27.00m ⁻¹ ~-27.00m ⁻¹ (0.25m ⁻¹ /0.50m ⁻¹ /1.00m ⁻¹ /3.00m ⁻¹)
Astigmatic power	+8.00m ⁻¹ ~-8.00m ⁻¹ (0.25m ⁻¹ /1.00m ⁻¹)
Cylinder axis	0~180° (1°/5°)
Prism	0~20Δ(all direction) (0.1 Δ/0.2 Δ/0.5 Δ/1.0 Δ)
Pupillary distance adjustment range	48~80mm (0.5mm/2.0mm)
Cross cylinder	Auto Jackson cross cylinder: ± 0.25m ⁻¹
Test len(aux lens)	Red-Green filter, Polarized filter(45 135), prism (6Δ/10Δ) Red Maddox(horizontal/vertical), lens of retinoscopy (+1.5m ⁻¹ /+2.0m ⁻¹) cross cylinders for presbyopia (0.50m ⁻¹), Occluding plate(left/right), Pinhole and cross hairs glass (left/right).
Cornea alignment scale(on optical axis)	12mm, 13.75mm, 16mm, 18mm, 20mm
Convergence	Near-point distance 40/67cm (Minimum pupillary distance at 40cm convergence: 53mm)
Forehead reset adjustment range	15mm
MAIN UNIT:	300-330mm(W) X 120mm(D) X 300mm(H)
	4.5kg
SUPPLY UNIT:	230mm(W) X 100mm(D) X 110mm(H)
	2kg
TOUCH-SCREEN CONTROLLER:	300mm(W) X 255mm(D) X 203mm(H)
	1.8kg



CV-7600

Computerized Vision Tester (Bluetooth)



Compact and slim design, with smaller size, lens switch fast and smoothly, provide more comfortable optometry experience.



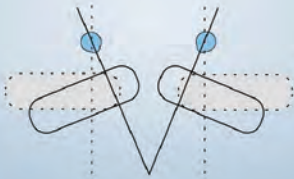
Left and right PD independent adjustment, to achieve more accurate measurement.



Near-point card with various charts. Built-in white LED lighting offers clear and safe illumination environment.



Dismountable face shield and forehead rest, easy to clean and maintain, provide clean testing environment.



Automatic convergence and PD adjustment during near point test.



Use multi-coated lenses for better performance

Powerful and simple operation interface, provide accurate and smooth operation experience. Preset standard optometry procedure, provide accurate optometry guidance, and allow customizing the optometry procedure. Built-in client files management function, easy to retrieve client file.



Powerful and simple operation interface, fast switch function



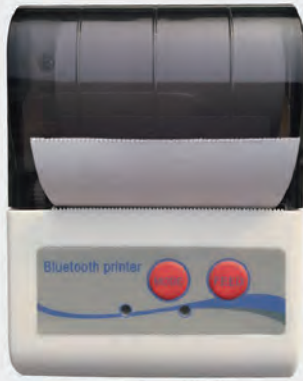
With customized optometry procedure function, efficiently decrease the optometrist workload, and help chain stores to realize the standard optometry service.



Built-in client files management function, easy to save and retrieve the client information.



Measurement result display interface can display the data of Auto lensmeter/ Auto refractometer/ NCVA/ Computerized vision tester/ Final, easily compare and analyze

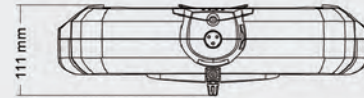
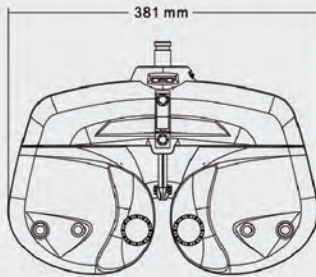


Portable Bluetooth printer, fast print the measurement result, the printing paper replace very convenient.



Combined use with Chart monitor CM-1900P, data transmission for high efficiency.

Dimensions of CV head (mm)



Specifications

Sphere	-19.00~+16.75D (0.25D/0.50D/1.00D/3.00D steps)
Cylinder	-8.75D~+8.75D 0.25D steps
Axis angle	0~180° (1°/5°steps)
Pupil distance	Distant range 52~80mm Close range 48~76mm 0.5/1mm steps
Rotary Prism	0~20 Δ (0.1 Δ /0.5 Δ)
Cross Cylinder Lens	±0.25D
Retinoscope	+1.50D(67cm), +2.00D(50cm) PH, Binocular (c =1.0mm) RMV/RMH RL(Right eye)、GL (Left eye) Polaroid (Right eye 135°/45°) , (Left eye 45°/135°) Prism (Right 3 Δ BU , 6 Δ BU) , (Left 3 Δ BD, 10 Δ BI) Cross Cylinder Lens(±0.50D Axis=90°) PD Lens
Auxiliary Lens	
CV head size	381mm×286mm×111mm 3.8kg
Table size	243mm×171mm×7mm 0.5kg
Power supply	AC220V 50Hz or AC110V 60Hz, 90W

MORE PRODUCT



Reverse side Near vision test 7.0-inch touch screen Auto detachment

Features

- 7.0-inch color LCD touch screen
- Stylish and compact design
- Auto detachment printer
- Independent PD adjustment
- Built-in LED for near vision illumination
- Data transmission with auto refractometer and auto projector



Sphere	-19.00~+16.75D(0.25D/0.50D/1.00D/3.00D steps)
Cylinder	-6.00D~+6.00D 0.25D steps
Axis angle	0~180°(1°/5°steps)
Pupil Distance	Distant range 52~80mm Close range 48~76mm 0.5/1mm steps
Rotary Prism	0~20△ 0.1/0.5/1.0△ steps
Cross Cylinder Lens	±0.25D
Retinoscope	+1.50D(67cm), +2.00D(50cm)
Auxiliary Lens	PH, Binoculus($\varphi=1.0\text{mm}$)
	RMV, RMH
	RL(Right eye), GL(Left eye)
	Polaroid(Right eye 135°/45°, Left eye 45°/135°)
	Prism(Right 3△BU, 6△BU), (Left 3△BD, 10△BI)
	Cross Cylinder Lens ($\pm 0.50\text{D}$ Axis=90°)
PD Lens	
Phoropter Size	365mm×280mm×110mm 3.8kg
Keyboard Size	230mm×195mm×190mm 1.2kg
Power Box Size	236mm×126mm×115mm 2.1kg
Power Supply	AC220V 50Hz or AC110V 60Hz, 90W



Visual chart tester



Visual chart tester



Visual chart tester



VC-1

Visual panel chart



VC-2

Visual panel chart



VC-3

Visual panel chart



VC-4

Visual panel chart



WZ-3D

Visual panel chart



WZ-3D-A

Visual panel chart



TPV-P

Visual panel chart



CM-1900C

Visual panel chart



C901

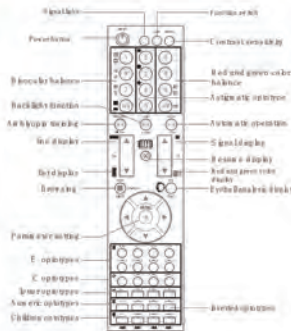
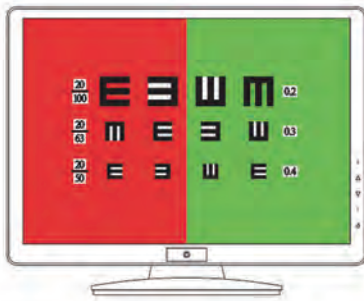
Visual panel chart



CP-27B

Visual chart Software

Technical parameters & Features

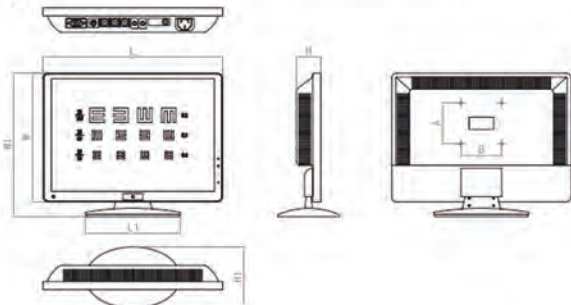


Type	Screen	Max. R.P.	Dot Pitch	Red/ Green	Display	3D Polarization
WZ-VC-1	21.5"	1680x1050	0.282mm	√	√	
WZ-VC-2	19"	1440x900	0.284mm	√	√	
WZ-VC-3	21.5"	1680x1050	0.282mm	√	√	
WZ-VC-4	19"	1440x900	0.284mm	√	√	
3D	21.5"	1920x1080	0.2475mm	√	√	√

Technical parameter

Items	Parameter	17"	19"	22"
1	Electrical source	AC100V~240V/50Hz/60Hz		
2	Rated power	40W	45W	60W
3	Standby power	2W	2W	2W
4	Screen resolution ratio	1280X1024@60Hz	1440X900@60Hz	1680X1050@60Hz
5	Dot pitch	0.264mm	0.284mm	0.282mm
6	Screen ratio	TFT	TFT	TFT
7	Screen type	4:3	16:9	16:9
8	Screen size	17"	19"	22"
9	Visible angle	338mm×270mm	408,24mm×222,15mm	473,76mm×296,1mm
10	Color	H: 170/V: 160	H: 170/V: 160	H: 170/V: 160
11	Visible size	16,7M	16,7M	16,7M
12	Max. Brightness	500cd/m2	300cd/m2	300cd/m2
13	Max. contrast ratio	850: 1	2000: 1	2000: 1
14	Signal response time	5ms	5ms	5ms
15	Overall size(mm)	368×348×180mm	460×355×200mm	532×411×200mm
16	Weight	3.8Kg (5.0Kg)	5.0Kg (6.2Kg)	5.5Kg (6.8Kg)
17	Effective distance	2m~5m (Adjustable)	2m~5m (Adjustable)	2m~8m (Adjustable)
18	Record of vision test result	Max. remote-controlling distance >8m		
19	Emote-controlling distance	Imperial fraction, or decimal		

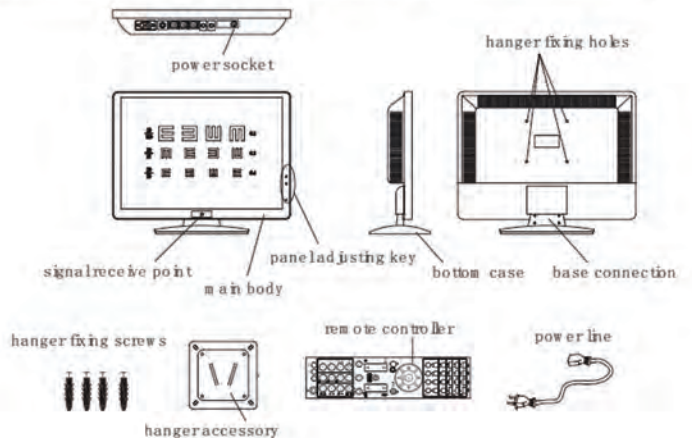
Parameter



Dimension	L	L1	W	W1	H	H1	A	B
17"	368	240	300	348	62	180	100	100
19"	460	280	318	355	70	200	100	100
22"	532	321	370	411	70	200	100	100

Structure and function

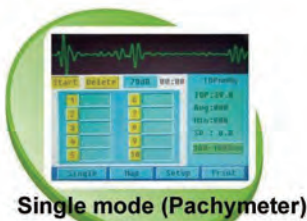
Signal receive point	To receive control signal
Power lamp	Indication of power state
Panel adjusting key	Used set parameters
Hanger fixing holes	Used to fix instrument on wall
Hanger fixing screw	Used to fix hanger
Bottom case	Used to support instrument for sitting type instrument
Hanger accessory	For hanger fixing
Remote Controller	Used to control instrument
Power line	Used to supply power with adapter



Packing list

Items	Name	Quantity	Notes
01	Main instrument	1	
02	Controller	1	
03	Controller battery	2	
04	Hanger	1	
05	hanger fixing screws	4	
06	power line	1	
07	User's manual	1	
08	Warranty card	1	
09	Certification	1	

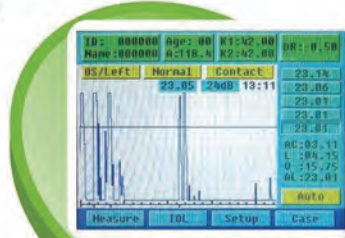
Ophthalmic A Scan & Pachymeter



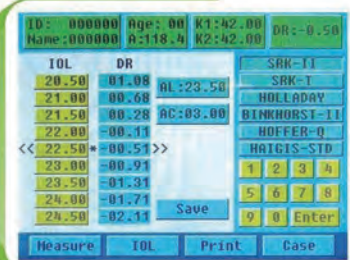
Single mode (Pachymeter)



Map mode (Pachymeter)



A scan mode



IOL calculation

- All touch screen, easy to operate
- Large color display with backlight and brightness control
- Portable design and light weight
- Built-in thermal printer
- Either combination unit (A+P) or single (A or P)

Ophthalmic A Scan & Pachymeter SW-1000



A Scan

- **Probe:** 10MHz, with LED
- **Depth:** 15mm-35 mm
- **Precision:** ± 0.05 mm
- **Examining Method:** immersion and contact
- **Eye Mode:** Phakic/ Aphakic/Pseudo
- **IOL Formula:** SRK-II, SRK-T, HOFFER-Q, HOLLADAY, BINKHORST-II, HAIGIS
- **Curve Freeze:** control by foot switch
auto freeze and manual freeze.
- **Output:** A scan table and calculation and thermal print
- **Store:** 10 cases(eyes), 5 reading each case
- **Manual and auto modes**

Pachymeter

- **Probe:** 20MHz, angle of 45 degrees
makes easier operation
- **Precision:** $5\mu\text{m}$
- **Measure range:** $300\mu\text{m}\sim 1500\mu\text{m}$
- **Each group is the average of 10 measures**
- **Output:** LCD display and thermal print
- **Display:** Large color liquid-crystal screen
- **SINGLE mode and MAP mode**

MORE PRODUCT

A SCAN



AB SCAN



PACHYMETER



AP SCAN



B SCAN



UBM



OCT

Ophthalmic Coherence Tomography



OSE-3000



FEATURES

1. Eye tracking system used a line scan ophthalmoscope (LSO) as a reference to minimize the involuntary eye movement during the image acquisition
2. Ultra fine quality OCT imaging with Deep Choroidal Imaging (DCI) technology
3. 45 degrees wide field LSO fundus preview with patented image processing technology to achieve a high definition fundus image
4. Fast and easy to use

OSE-2000

Fast high-resolution imaging Simple operation, quick render high-definition images for you; Linear, circular, repetition and arbitrary point of multiple scanning methods, To meet your needs for different disease detection.

Software updates, free for life:

1. The increase of software module and upgraded without any cost, removed from your worries.
2. Chinese software + report, the Chinese themselves of OCT
3. Chinese software interface, more in line with your daily work habits;
4. A variety of Chinese test report template, meet the personalized needs;

China first, complete with independent intellectual property rights, make the best of OCT national brand.

Application:

1. Non-contact fault structure imaging, no damage to eyes
2. More intuitive, more accurately check analysis of retinopathy
3. More early and timely found glaucoma retinal damage
4. Predicted more accurately and more effectively guiding surgical procedure and follow-up

1. Purpose: Cross-sectional imaging of the retina.
2. Signal Type: Photon scattered from tissues
3. Light Source: Super luminescent LED, 840nm
4. Optical Power: $\leq 0.75\text{mW}$ (on the cornea)
5. Axial Resolution: $5\mu\text{m}$ (in tissue)
6. Lateral Resolution: $10\mu\text{m}$ (in tissue)
7. Scanner: Galvanometer mirror
8. Scan Modes: Posterior segment: Line, annular, cross, five lines, six lines, rescan and optional position or angel line scans.
9. Scan Modes: 29,000A-scans per second
10. Acquisition Time: 58 pictures per second
11. Scan Depth: 2mm (in tissue)





SW-6000

corneal topographer / corneal map

By PLACIDO cone, 31 rings, a total of 7936 points. Through calculation and analysis, used in the clinical diagnosis of corneal astigmatism, quantitative analysis of corneal shape, display the corneal curvature by data or different colors, can display axial curvature map, tangential curvature map, height map, simulated corneal lens map and corneal 3D map. Can be used in preoperative examination and postoperative effect evaluation of corneal refractive surgery, can guide wearing contact data lens, to improve the accuracy of adaptive contact lens.

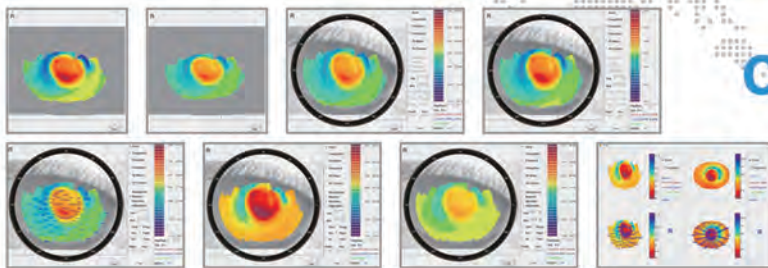


CT-6

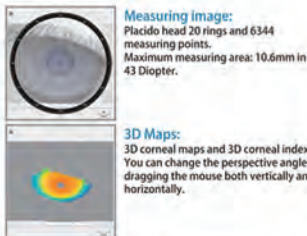
Measuring method	Placido Cone
Measuring curvature radius	5.5mm-10.0mm
Measuring range	
Coverage	9mm
Diopter Range	61.36D ~ 33.75D
Placido Rings	29
Measurement points	10440
Precision	± 0.03mm

- ◆ Placido Cone
- ◆ Auto/Manual Measurement Mode
- ◆ Display Multi-format Maps
- ◆ Large Patient Database
- ◆ Easy Database Operation
- ◆ General Corneal Shape Parameters

CORNEAL TOPOGRAPHY SYSTEM

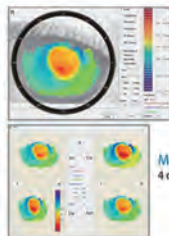


CTS-20



Measuring image:
Placido head 20 rings and 6344 measuring points.
Maximum measuring area: 10.6mm in 43 Diopter.

3D Maps:
3D corneal maps and 3D corneal indexes
You can change the perspective angle by dragging the mouse both vertically and horizontally.



Corneal Maps:
Axial, tangential, elevation and refractive maps in normalized, absolute, numeric and adjustable scales Select the grid, rings, keratometric and pupil data

Multiple Maps:
4 different corneal maps are available



Full Database:
It allows classifying the records of the patients by in-group mode. This is convenient either for pathology or for the topographer's operator to classify the patients' information.

Corneal Indexes
This window shows different corneal indexes, like eccentricity, asphericity and shape factor. Also include the KISA index algorithm for keratoconus detection.

View Eye
You can see the whole cornea and measure using rectangle, oval and line shapes by clicking over the image and dragging the mouse.

Specifications
Main Data of Equipment
Measurement field: 10.6mm in 43D
Measurement range: 9D~99D
Measurement accuracy: ±0.12
Ring number: 20 Placido rings
Measurement points: 6344 points
Focus device: LCD monitor
Focus light: 1 Focusing Laser, Safety Standard Class II

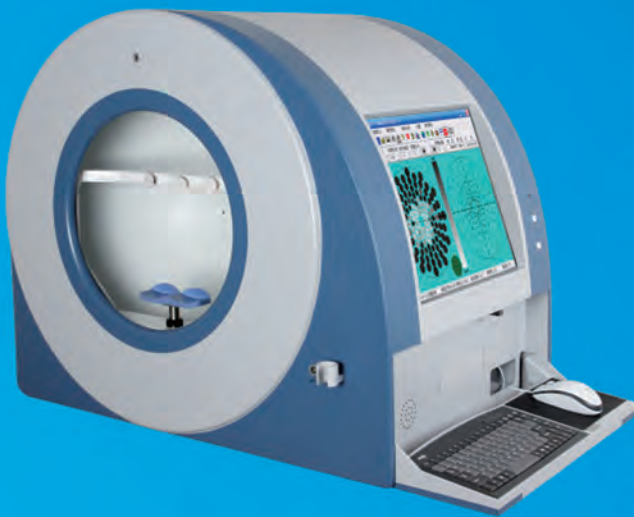
Moveable Base Data
Adjust Range:
Forward-Backward: 40mm
Left-Right: 105mm
Up-Down: 30mm
Chinrest: 85mm

Minimum PC Requirements
PC: Intel dual core, 1024MB Memory, 20G Hard Drive
Input/Output: more than one LAN port (Or Wifi)
Expansion slot: more than two free USB2.0
System Software: Windows XP or newer

Printing Topographer Report
It allows you to print the current map displayed in the Corneal Structure screens.
In the topographic report, it includes the keratometric corneal profile and analytical data

APS-6000 Series Automatic Perimeter

The APS-6000 BER/CER automatic perimeter is designed and developed on windows system. Users can get an intuitive report with examined perimetry results. Computerized perimetry now has become a popular and mandatory examination method for medical and optical purposes.



APS-6000C_{ER}(Touch)

System Configuration:

- Touch Screen
- Dynamic eye position inspection
- Environmental illumination inspection
- PC Internal

APS-6000B_{ER}

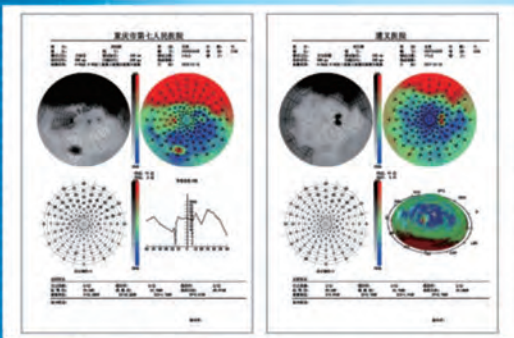
System Configuration:
Dynamic eye position inspection
Environmental illumination inspection
PC External



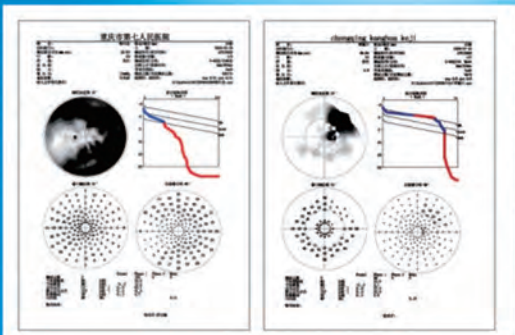
APS-6000C_{ER}(Non-Touch)

System Configuration:
Dynamic eye position inspection
Environmental illumination inspection
PC Internal

Color Standard Report



Standar Report



Strategies:

Estimative test

Qualitative test

Auto threshold

Fast threshold

Full threshold

Esterman test(driver test)

>10 international popular modes

Specifications

Stimulus Type:LED

Stimulator Screen:Hemispherical bowl,radius 30cm integrated

Stimulus Source:Light emitting diode,wave length 580nm–650nm

Stimulus Size:goldmann III

Stimulus Intensity: ≤ 1000 asb

Stimulus Duration:Adjustable 0.2 to 2 seconds

Stimulus color:yellow,red

Stimulus step:total 27step 1

Minimum inter-stimulus delay:Adjustable 0.2 to 2 seconds

Background illumination:4asb

Lens holder diameter:35mm (optional)

stimulus points: 144(0–60°),72(0–30°),72(60–90°),61(0–10° red),114(Blind spot)

Chin rest moving range:vertical 70mm,horizontal 90mm

Fixation Methob:Automatic monitoring with two options.

Available blind spot method,Eye tracking method.

In both methods, fixation errors are to be immediately announced by visual and audible warnings.

The standard video camera should provide visual of the patient 's eye for additional monitoring.

Test Range:Default test(0–60°),Yellow spot test(central 0–10°),Central 0–30° test,

Quadrant test,Peripheral test,Peripheral test(60–90°),Blind spot test,Custom test

Stimulator unit dimensions:APS-6000B 67 × 66 × 38cm(H × W × D)

APS-6000C 75 × 60 × 65cm(H × W × D)

Stimulator unit weight:18KG approx(APS–6000B)

40KG approx(APS–6000C)

Stimulator unit power requirements:110V/220V AC 50-60Hz

APS-T00

Projection Perimeter
International standards,
Accurate, Fast





APS-T90

APS-T00

Split type

Integrated type(touch Screen)




Technical Specification of Automatically Computerized Perimeter

Model	APS-6000CER	APS-6000BER	APS-6000CER
Appearance	Integrated type(touch Screen)	Split type	Integrated type
Testing mode	Static perimetry		
Testing Scope	0-90°		
Brightness level	0-26db		
Testing Distance	300mm		
Visual Target Color	Red , white		
Visual Target brightness	≤318cd (1000asb)		
Visual Target Points	390 points (red 61 , yellow 329 points)		
Visual Target size	2.0cd/m		
Vision Target Interval and keeping time	Patient adaptive, Standard, Slow, Custom		
Pupil size measurement	Automatically		
Head Movement Way	AEC Eye position monitoring and automatic correction system		
Brightness Detection	Brightness Automatically detection and correction system		

Detection Strategy	Intelligent dynamic, fast intelligent dynamic, Full-threshold, fast threshold, custom, Two notation, three notation, Quantify defects
Threshold policy	age-related, The threshold, Single strength
Threshold Test Mode	Center 0-10° ,Center 0-30° ,Center 0-60° , Peripheral 60-90° , Blind Spot Detection
Screening mode	BG, LVC, LVP, C08, D1, TG2, ST, 32, C07, M2, N1
Fxation monitoring	Dynamic real-time video monitoring, physiological blind spot monitoring, Eye tracking curve, eye position offset alarm
Analysis Software	Reliability analysis, analysis of single vision, triple report analyzes Overview vision analysis, GHT glaucoma semi vision analysis, GPA glaucoma developing analysis
Report Figure	Value map, grayscale map, the overall bias decibel chart, The overall deviation probability map, chart pattern deviation decibels, Pattern deviation probability plot, staring Figure

FUNDUS CAMERA

LITTLE BODY LARGE VIEW

-  High resolution image and portable
-  Non-mydratic and 2.5 mm pupil size
-  Real-time wifi transfer



HAND HELD FUNDUS CAMERA (HFC)

PRODUCT OVERVIEW

This is a portable medical camera for fundus imaging, diagnosis and especially for fundus disease screening. It's compact and easy to obtain high definition fundus image. It can be conveniently applied to rapid screening, out diagnosis, bedside diagnosis and remote medical treatment, etc.



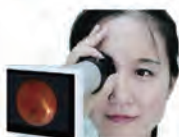
APPLICATION SCENARIOS



1 Ophthalmology clinic



5 basic screening/ tele-medicine



2 General eye clinic



6 Animal hospital / clinical research



3 Gynecology hospital



7 Physical examination



4 Diabetic retinopathy



8 Consultation/ charity clinic

PRODUCT TECHNICAL PARAMETERS

FOV	45°	PICTURE FORMAT	JPEG(Photograph)AVI
MINIMUM PUPIL	2.5mm	LIGHT SOURCE	White LED/IR
REFRACTIVE COMPENSATION	-20D~+20D	STORAGE	8GB Micro SD card
FOCUS MODE	Manual	POWER	3.7VLithium Battery
IMAGE RESOLUTION	1920×1080	INTERFACE	Mini USB Av out
SCREEN	3.5' color	PACKING SIZE	38*32*18
POWER	≤6VA	N. W.	450g



TNF-506

Types of photography	Color, non-mydratric color, Red Free
Retinal observation	LCD
Angle of view	45 ° max
Minimum pupil size	Mydratric: 5.1 mm or more Non-Mydratric: 3.3 mm or more
Imaging device	DSLR
Sensor	18.0 Megapixels
Diopter compensation	±20D
Working distance	42 mm
Fixation target	LED green
Base movement	60 mm front and back, 110 mm side to side, 30 mm up and down
Panning range	30 degrees to the right and left
Tilting range	15 degrees up, 10 degrees down
Power supply	AC 220V 50/60 Hz
Operating environment	Temperature: 10°C to 35°C Humidity: 30% RH to 80% RH



TNF-507

Types of photography	Color, non-mydratric color, FFA, Red Free
Angle of view	50 ° max
Working distance	42mm
Retinal observation	LCD
Minimum pupil size	Mydratric: 5.1 mm or more Non-Mydratric: 3.5 mm or more
Imaging device	DSLR
Sensor	18.0 Megapixels
Fixation target	LED
Diopter compensation	±20D
Focusing mode	Double dot auxiliary focusing
Display mode	Double-screen display
Base movement	80mm front and back, 100 mm side to side
Panning range	30 degrees to the right and left
Tilting range	15 degrees up, 10 degrees down
Power supply	AC 220V 50/60 Hz
Operating environment	Temperature: 10°C to 35°C Humidity: 30% RH to 80% RH



APS-AER

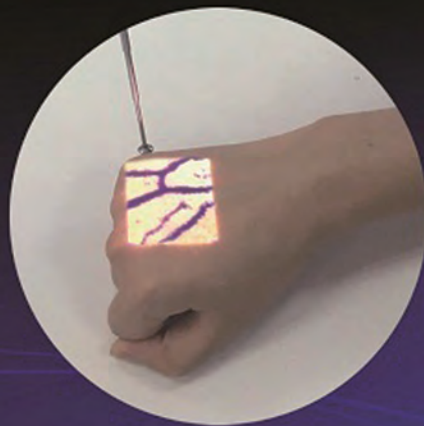
Field Scope	Up to 53 degree
Working distance	40mm
Non-mydratric Camera	Supporting
Minimum pupil diameter	3.3mm
Observation light source	Infrared light
Refractive compensation range	≥±15D
Fixation	External fixation
Assisted Alignment	5 Internal fixation(9 internal fixation optional)
Focus way	Two round dots alignment
Exposure way	Manual, Auto
Internet interface	Dicom 3.0 interface, Lan(Optional)
The second viewing screen	Optional (7"LCD)
Eye position recognition	Auto
Working distance	Horizontal±30 degree up and down ±12.5 degree
Working distance	42mm±2mm
Moto-table	Electric Moto-table
workstation	Electric Moto-table
printer	High quality inkjet printer



APS-BER

Field Scope	Up to 53 degree
Working distance	40mm
Non-mydratric Camera	Supporting
Minimum pupil diameter	3.3mm
Fundus fluorescein angiography	Flash and dynamic angiography
Observation light source	Infrared light
Refractive compensation range	≥±15D
Fixation	External fixation
Assisted Alignment	5 Internal fixation(9 internal fixation optional)
Focus way	Two round dots alignment
Exposure way	Manual, Auto
Internet interface	Dicom 3.0 interface, Lan(Optional)
The second viewing screen	Optional (7"LCD)
Eye position recognition	Auto
Working distance	Horizontal±30 degree up and down ±12.5 degree
Working distance	42mm±2mm
Moto-table	Electric Moto-table
workstation	Electric Moto-table
printer	High quality inkjet printer

Handheld Infrared Vein Finder



Science and technology improving one small
step will benefit a big step for human.



Product Features

- ▶ Two kinds of imaging modes : blue & white, red & green, one-click switching freely;
- ▶ Image performance optimization, adjustable brightness, high accuracy;
- ▶ Medical cold light, safe for your eyes
- ▶ Sleep function, more comfortable operation
- ▶ Elegant design, easy to carry.



VS-400



V-500

GLASSES EQUIPMENT



Specialized manufacturer of eyeglasses equipment

Combined table & chair Optic equipment

COMBINED TABLE SERIES S-900A

Ophthalmic Unit

- 1.luxurious design and graceful structure
- 2.triangular tabletop can put three kinds of optometry equipment
- 3.Reclining Chair go up/down, rotate and move forward/backward smoothly
- 4.electromagnetic lock can lock tabletop stable with no rotation if necessary
- 5.controlling panel potentiometer supply optional voltage for the slit lamp, keratometer
- 6.refrinoscope and ophthalmoscope's charging outlet

FEATURES	
Unit size	1200x1100x1000mm
Table size	400x400x100mm
Tabletop up and down range	80mm
Arm up and down range	280mm
Chair up and down range	170mm
Tabletop rotation range	360°
Chair reclining range	165°
Voltage	AC110V/220V(50/60Hz)
Weight	220kg



COMBINED TABLE SERIES S-900B

Ophthalmic Unit

- 1.luxurious design and graceful structure
- 2.Tabletop slidable range 400mm, table can also rotate 90°
- 3.Reclining Chair go up/down, rotate and move forward/backward smoothly
- 4.electromagnetic lock can lock tabletop stable with no rotation if necessary
- 5.controlling panel potentiometer supply optional voltage for the slit lamp, keratometer
- 6.refrinoscope and ophthalmoscope's charging outlet
- 7.leg's protecting device

FEATURES	
Unit size	1200x1100x1000mm
Table size	750x420x100mm
Tabletop up and down range	80mm
Arm up and down range	280mm
Chair up and down range	170mm
Tabletop sliding range	400mm
Chair reclining range	165°
Voltage	AC110V/220V(50/60Hz)
Weight	225kg



Lifting Chair The Chair go up/down and rotate smoothly
Arm Arm swing angle: ± 90°
Triangle tabletop The Triangle table can rotate 360°. The slit lamp and other optical treatment can be placed on it.
Control Panel Controlling panel potentiometer supply optional voltage for the slit lamp, keratometer.
Ophthalmoscope Refrinoscope and ophthalmoscope's charging Outlets

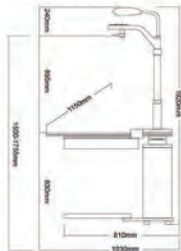


Lifting Chair The Chair go up/down and rotate smoothly
Arm Arm swing angle: ± 90°
Tabletop Tabletop slidable range 400mm
Ophthalmoscope Refrinoscope and ophthalmoscope's charging Outlets

COMBINED TABLE SERIES S-980A

Ophthalmic unit

- 1.luxurious design and graceful structure
- 2.Two electrical power tabletop, main table is for patient, another table is for doctor's operation
- 3.Small slidable table for refractor
- 4.Motorized Chair go up/down smoothly with low noise
- 5.Swing arm can move up/down and rotate 90°, controlled by controlling panel
- 6.leg's protecting device



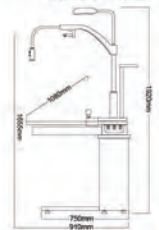
FEATURES	
Unit size	1030x1150x1100mm
Tabletop size	1010x420x120mm
Arm up and down range	260mm
Tabletop up and down range	160mm
Chair up and down range	170mm
Voltage	AC110V/220V(50/60Hz)
Weight	288kg



COMBINED TABLE SERIES S-880B

Ophthalmic unit

- 1.luxurious design and graceful structure
- 2.Tabletop can rotate 90°
- 3.Small slidable table for refractor
- 4.Motorized Chair go up/down smoothly with low noise
- 5.Swing arm can move up/down and rotate 90°, the arm will be fixed without pressing the button on the handle
- 6.leg's protecting device



FEATURES	
Tabletop size	500x500mm
Drawer size	545x310mm
Arm up and down range	310mm
Chair up and down range	170mm
Light	30W
Voltage	AC110V/220V(50/60Hz)
Power	120W
Unit size	910x1100x1100mm
Weight	150kg



Lifting Chair Electric control, chair up/down 90° automatically
Arm The arm can adjust clockwise or down 90° freely
Control Panel Control tabletop, chair and ophthalmic
Triangle tabletop No change needed in operating chair with three drawers
Tabletop Tabletop can rotate up 170mm, rotate 90°

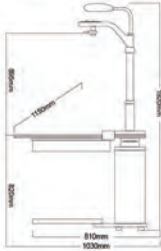


Lifting Chair Two speed chair option
Arm The arm can adjust clockwise 90°
Slidable Small Tabletop Refractor placed on it to prevent left and right
Tabletop 90° rotating

COMBINED TABLE SERIES S-600B

Ophthalmic unit

1. Luxurious design and graceful structure
2. Tabletop can rotate 90°
3. Small slidable table for refractor
4. Motorized Chair go up/down smoothly with low noise
5. Swing arm can move up/down and rotate 90°, controlled by electric power
6. leg's protecting device



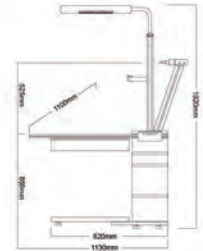
FEATURES

Unit size	1030x1120x1500mm
Tabletop size	1010x480x120mm
Arm up and down range	160mm
Chair up and down range	260mm
Voltage	AC110V/2200050Hz
Weight	220kg

COMBINED TABLE SERIES S-550B

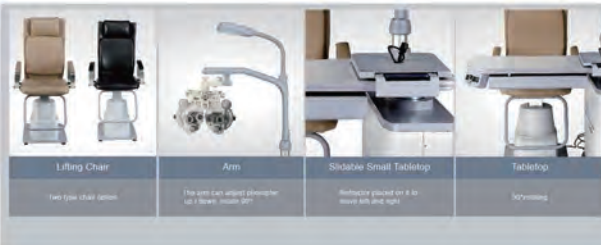
Ophthalmic unit

1. Luxurious design and graceful structure
2. Tabletop can rotate 90°
3. Small slidable table for refractor
4. Motorized Chair go up/down smoothly with low noise
5. Arm can swing to left/right to change position of phoropter
6. leg's protecting device



FEATURES

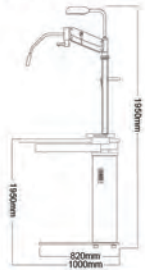
Unit size	1130x1000x1300mm
Table size	1000x480x120mm
Chair up and down range	170mm
Voltage	AC110V/2200050Hz
Weight	200kg



COMBINED TABLE SERIES S-500

Ophthalmic Unit

1. phoropter's arm move by hand.
2. slidable small table
3. drawer for trial lens set
4. chair motorized moving



FEATURES

Tabletop size	420x1000mm
Drawer size	560x350mm
Arm up and down range	260mm
Chair up and down range	170mm
Light	27W
Voltage	AC110V/2200050Hz
Power	120W
Unit size	1080x1120x1500mm
Weight	157kg

COMBINED TABLE SERIES C-380

- Ophthalmic unit for phoropter, refractor, vision chart Use. Tabletop 90° Rotating. Low noise quality motor. Suit for laboratory, hospital & Eye glasses shop.



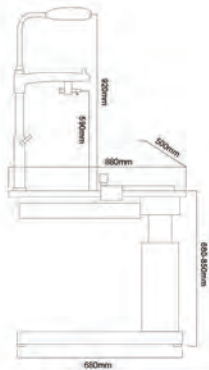
FEATURES

Tabletop size	420x1000mm
Drawer size	570x350mm
Arm up and down range	260mm
Chair up and down range	170mm
Light	27W
Voltage	AC110V/2200050Hz
Power	120W
Unit size	1020x1180x1600mm
Weight	157kg



SMALL COMBINED TABLE SERIES C-200A

Small Ophthalmic unit for phoropter, refractor, Projector Use. Low noise, quality motor. Suit for laboratory, hospital & Eye glasses shop.

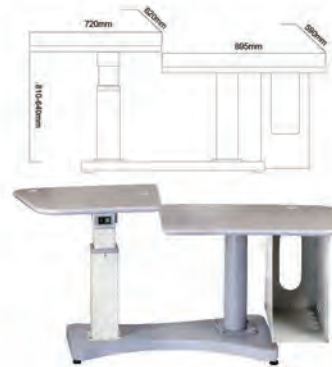


FEATURES	
Tabletop size	880x500mm
Drawer size	540x330mm
Arm up and down range	200mm
Chair up and down range	170mm
Light	30W
Voltage	AC110V/220V/50/60Hz
Power	120W
Unit size	880x1100x1000mm
Weight	70kg



SMALL COMBINED TABLE SERIES C-330

Table For slit lamp, Keratometer Use. Low noise, quality motor. Suit for laboratory, hospital & Eye glasses shop.



FEATURES	
Unit size	1610x220x800mm
Tabletop size	720x500mm
Tabletop up and down range	175mm
Chair up and down range	200mm
Voltage	AC110V/220V/50/60Hz
Weight	70kg



SIMPLE COMBINED TABLE SERIES C-160

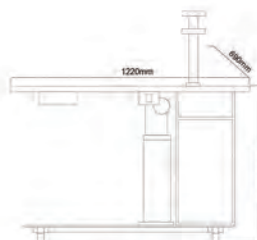
Table For slit lamp, Keratometer Use. Low noise, quality motor. Suit for laboratory, hospital & Eye glasses shop.

FEATURES	
Tabletop size	800x400mm
Tabletop up and down range	180mm
Voltage	AC110V/220V/50/60Hz
Power	120W
Unit size	900x420x800mm
Weight	50kg

SMALL COMBINED TABLE SERIES C-280

Table For slit lamp, Keratometer Use. Low noise, quality motor. Suit for laboratory, hospital & Eye glasses shop.

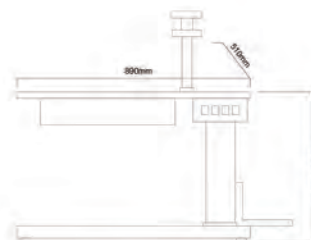
FEATURES	
Unit size	1200x880x900mm
Tabletop size	720x490mm
Tabletop up and down range	175mm
Chair up and down range	170mm
Voltage	AC110V/220V/50/60Hz
Weight	60kg



SMALL COMBINED TABLE SERIES C-260

Table For slit lamp, Keratometer Use. Low noise, quality motor. Suit for laboratory, hospital & Eye glasses shop.

FEATURES	
Unit size	1020x510x900mm
Tabletop size	680x510mm
Tabletop up and down range	175mm
Chair up and down range	180mm
Voltage	AC110V/220V/50/60Hz
Weight	65kg



SMALL COMBINED TABLE SERIES C-180A

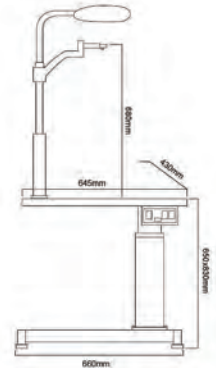
Small Ophthalmic unit for phoropter, refractor, vision chart Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.

FEATURES	
Tabletop size	660x430mm
Drawer size	540x310mm
Arm up and down range	170mm
Chair up and down range	170mm
Light	20W
Voltage	AC110V/220V(50/60Hz)
Power	120W
Unit size	1050x1100x1600mm
Weight	60kg



SMALL COMBINED TABLE SERIES C-D

Small Ophthalmic unit for phoropter, refractor, vision chart Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.



FEATURES	
Unit size	660x1000x1600mm
Tabletop size	650x430mm
Arm up and down range	180mm
Chair up and down range	170mm
Voltage	AC110V/220V(50/60Hz)
Weight	45kg

SMALL COMBINED TABLE SERIES C-180B

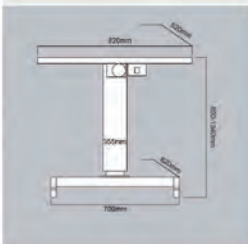
Small Ophthalmic unit for phoropter, refractor, vision chart Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.

FEATURES	
Tabletop size	660x430mm
Drawer size	540x310mm
Arm up and down range	170mm
Chair up and down range	150mm
Light	20W
Voltage	AC110V/220V(50/60Hz)
Power	120W
Unit size	1050x1100x1600mm
Weight	50kg



ELECTRIC TABLE SERIES WZ-50

Table For slit lamp, Keratometer Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.



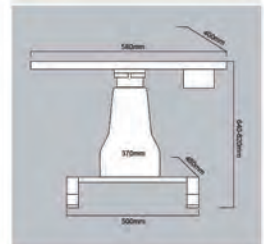
FEATURES	
Unit size	520x420x1000mm
Tabletop size	420x420mm
Tabletop up and down range	400mm
Voltage	AC110V/220V(50/60Hz)
Weight	40kg



FEATURES	
Tabletop size	500x400mm
Tabletop up and down range	180mm
Voltage	AC110V/220V(50/60Hz)
Power	100W
Unit size	540x420x1000mm
Weight	17.5kg
Max Loading	65kg

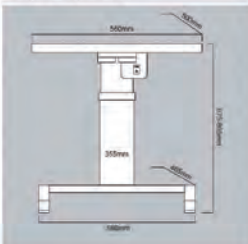
ELECTRIC TABLE SERIES WZ-3A

Table For slit lamp, Keratometer Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.



ELECTRIC TABLE SERIES WZ-20

Table For slit lamp, Keratometer Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.



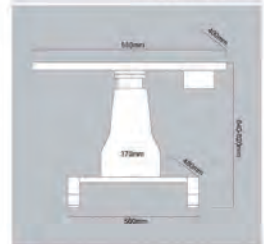
FEATURES	
Tabletop size (length and width)	500x400mm
Tabletop up and down range	180mm
Voltage	AC110V/220V(50/60Hz)
Max Loading	75kg
Weight	18kg



FEATURES	
Tabletop size	500x400mm
Tabletop up and down range	180mm
Voltage	AC110V/220V(50/60Hz)
Max Loading	75kg
Weight	23kg
Power	120W

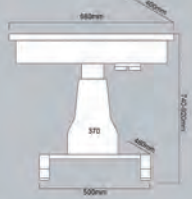
ELECTRIC TABLE SERIES WZ-3AT

Table For slit lamp, Keratometer Use.
Low noise, quality motor.
Suit for laboratory, hospital & Eye glasses shop.



ELECTRIC TABLE SERIES WZ-3ADT

Table For slit lamp, Keratometer Use.
Low noise quality motor.
Suit for laboratory, hospital & Eye glasses shop.



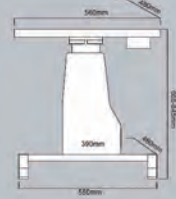
FEATURES	
Tabletop size	600x400mm
Tabletop up and down range	100mm
Voltage	AC110/220V(50/60Hz)
Max Loading	50kg
Weight	30kg



FEATURES	
Tabletop size	500x400mm
Tabletop up and down range	100mm
Voltage	AC110/220V(50/60Hz)
Max Loading	75kg
Weight	21kg

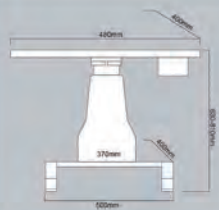
ELECTRIC TABLE SERIES WZ-3D

Table For slit lamp, Keratometer Use.
Low noise quality motor.
Suit for laboratory, hospital & Eye glasses shop.



ELECTRIC TABLE SERIES WZ-3B

Table For slit lamp, Keratometer Use.
Low noise quality motor.
Suit for laboratory, hospital & Eye glasses shop.



FEATURES	
Tabletop size	400x400mm
Tabletop up and down range	100mm
Voltage	AC110/220V(50/60Hz)
Max Loading	50kg
Weight	17kg



FEATURES	
Tabletop size	600x400mm
Tabletop up and down range	100mm
Voltage	AC110/220V(50/60Hz)
Max Loading	75kg
Weight	38kg

ELECTRIC TABLE SERIES WZ-3DT

Table For slit lamp, Keratometer Use.
Low noise quality motor.
Suit for laboratory, hospital & Eye glasses shop.



ELECTRIC TABLE SERIES WZ-3E

Table For slit lamp, Keratometer Use.
Low noise quality motor.
Suit for laboratory, hospital & Eye glasses shop.



FEATURES	
Tabletop size	400x400mm
Tabletop up and down range	100mm
Voltage	AC110/220V(50/60Hz)
Power	100W
Weight	18kg
Max Loading	60kg

ELECTRIC TABLE SERIES WZ-3F

Table For slit lamp, Keratometer Use.
Low noise quality motor.
Suit for laboratory, hospital & Eye glasses shop.



FEATURES	
Tabletop size	600x400mm
Tabletop up and down range	100mm
Voltage	AC110/220V(50/60Hz)
Max Loading	100kg
Weight	25kg

SHTOPVIEW

Shanghai Top View Industrial Co.,Ltd / 上海拓扑威实业有限公司

Address: Room 806, YongDing PLAZA, 3388# Gonghexin Rd, Zhabei District, Shanghai, China
zip: 200436

Tel : +86-21-61178155 Fax +86-21-61178156

Website: www.topviewsh.com