

i-SHON Ophthalmic Equipment



- Optometry Equipments
- Ophthalmic Equipments
- Laboratory Equipments
- Tools andAccessories



FA-6500/K

Auto Ref/Keratometer

Partial details design

- ◆ Humanized detail design
- ◆ Comfortable operation and smooth measurement
- ◆ Adjustable LCD screen for convenient measurement

Specification

Hartmann's Principle
New light path design, clear human eye imaging effect
High-speed image acquisition system, advanced image processing and analysis
The screen can be rotated freely up and down
Automatic eye tracking for lifting, automatic measurement
Electric lifting amount tow
Off-speed printer
Corneal apex distance: 0.0, 12.0, 13.75, 15.0
Spherical mirror degree: -20.00D ~ + 20.00D (VD = 12mm, 0.01, 0.06, 0.12, 0.25 units)
Cylindrical power: 0.00D ~ + 10.00D (0.06, 0.12, 0.25 units)
Axis position: 10 ~ 180 ° (1 ° unit)
Astigmatism symbol: -, +, ±
Interpupillary distance: 10 ~ 86mm
Minimum pupil diameter: 2.0mm
Measurement completion time: <0.5 seconds.
Pupil diameter: 2.00-8.00mm
Measure light energy: <30uw (ensure measurement safety)
Cornea curvature radius: 5.0 ~ 10.0mm (0.01mm accuracy)
Cornea diopter: 33.00D ~ 67.0D (when the corneal equivalent diopter is 1.3375)
Corneal astigmatism: 0.00D-15.00D (0.06D / 0.12D / 0.25D units)
Stored data: 10 measurements each
Axis position: 1 ° ~ 180 °
Visual target: Guided cloud map
Display: 8-inch TFT touch screen (adjustable viewing angle)
Printer: 57mm thermal printer
Power supply: AC 100 ~ 250V, 50 / 60Hz, wide power supply
Net weight: 22 kg
Gross weight: 26.5 kg



FA-8000/K

Auto Ref/Keratometer

Partial details design

- ◆ Humanized detail design
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Specification

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Cylindrical power: 0.00D ~ + 10.00D (0.06, 0.12, 0.25 units)

Axis position: 10 ~ 180 ° (1 ° unit)

Astigmatism symbol: -, +, ±

Interpupillary distance: 45 ~ 88mm

Minimum pupil diameter: 2.0mm

Measurement completion time: <0.5 seconds.

Pupil diameter: 2.00-8.00mm

Measure light energy: <30uw (ensure measurement safety)

Cornea curvature radius: 5.0 ~ 10.0mm (0.01mm accuracy)

Cornea diopter: 33.75D ~ 67.5D (when the corneal equivalent diopter is 1.3375)

Corneal astigmatism: 0.00D-15.00D (0.06D / 0.12D / 0.25D units)

Stored data: 10 measurements each

Axis position: 1 ° ~ 180 °

Visual target: Guided cloud map

Display: 9-inch TFT touch screen (adjustable viewing angle)

Printer: 57mm thermal printer

Power supply: AC 100 ~ 250V, 50 / 60Hz, wide power supply

Net weight: 22 kg

Gross weight: 26.5 kg



ARK-1

Auto Ref/Keratometer



Specification

- Vertex distance 0.0, 12.0, 13.75, 15.0
- Sphere: -20.00~+20.00D (0.01/0.06/0.12/0.25D step) (VD=12mm)
- Axis: 1°~180°(1° step)
- Cylinder form: -, +, ±
- Pupil distance: 10-86mm
- Min. pupil diameter measurable: $\varnothing$ 2.0mm
- 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: 0.00-15.00d(0.06D/0.12D/0.25D Unit)
- Data Storing: Each 10 measured values of left eyes and right eyes
- Axis: 1-180 degree
- chart auto chart
- Monitor: SHARP10.4" TFT LCD touch screen(Angle of view adjustable)
- Built-in printer: 57mm thermal printer, auto paper-cutting
- Electrical: AC 100-250V, 50/60HZ
- N.W: 22kgs
- G.W: 26.5kgs
- Packing size: (length) 600mm x (width) 400mm x (height) 600mm



CV-1000

Digital Vision Tester

Specification

I. Basic technical parameters

1. Spherical lens: -29.00~+26.75D (Step: 0.12D/0.25D/0.5D/1D/2D/3D)
2. Cylindrical lens: -8.75~8.75D (Step: 0.25D/0.5D/1D/2D/3D)
3. Cylinder Axis: 0~180° (Step: 1/5/15/30/45°)
4. Pupil Distance Far: 48-75 mm (Step: 0.5 / 1.0mm)
5. Rotary Prism: 0~20 Δ (Step: 0.1 Δ/0.5 Δ/1 Δ/2 Δ/3 Δ)
6. Crossed Cylinder: Crossed Cylinder 0.25D/0.50D
7. Double cross cylinder (separating prism)
8. Prism base: 0-360° 1°, 5° (Prism base can be optionally labelled horizontally or vertically)

II. Auxiliary lenses

1. Pinhole lens ϕ 1mm
2. Markov lever Right eye (horizontal Markov lever), left eye (vertical Markov lever)
3. Red-green filter right eye (red), left eye (green)
4. Polarizing filter right eye (135°, 45°), left eye (45°, 135°)
5. Separation prism right eye (6 Δ BU), left eye (10 Δ B)
6. Fixed Cross Cylinder Jackson Cross Cylinder 0.50D, Axis fixation 90°
7. Vision 32°

III. Data link with optometry series and focal length meter series;

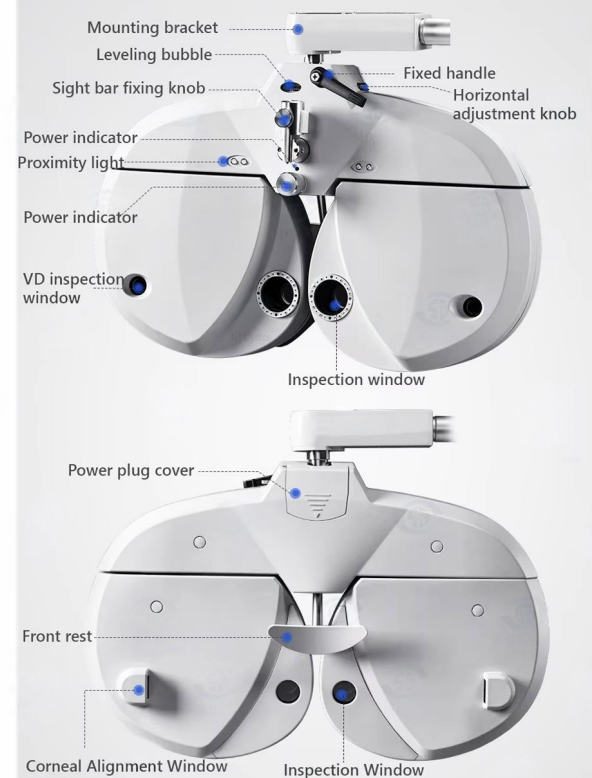
IV. Light body and ultra-low sound;

1. Host size:	390x110x310mm
2. Flat size:	247x179x4.68mm
3. Tablet resolution:	2860 1600
4. Flat screen:	9 inches
5. Voltage:	AC 100-240V 50/60Hz
6. Power:	90W
7. Weight:	14kg
8. Packaging volume:	0.05 cubic
9. Packing size:	600x450x450mm
10. Packaging material:	Carton box



PRODUCT STRUCTURE

International design concept of combination offashion and personality



VT-10

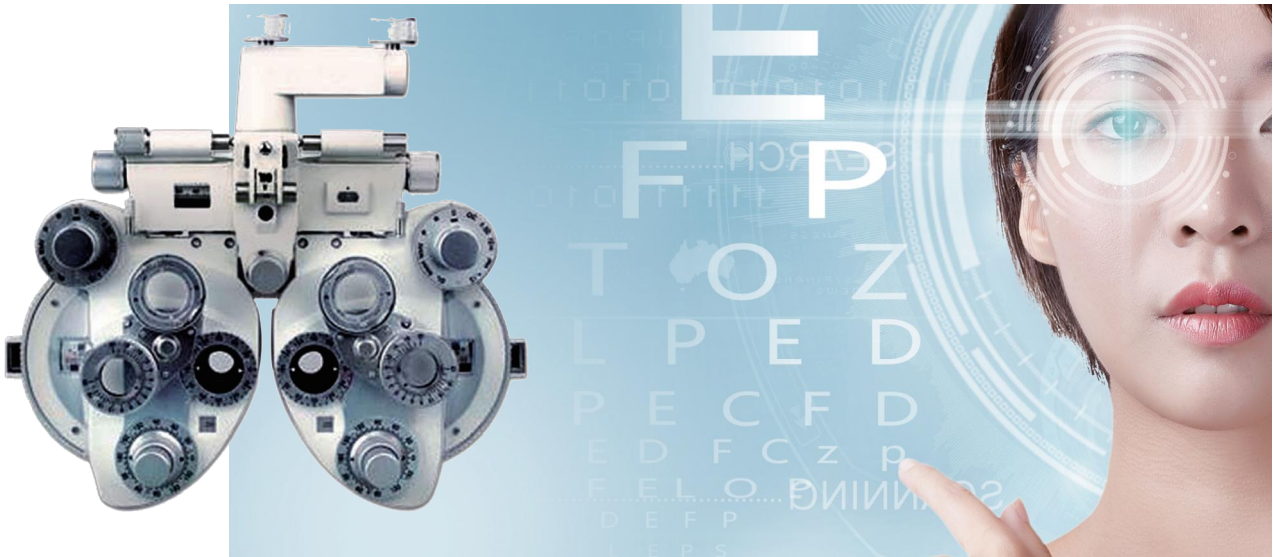
Vision Tester

Features :

- ◆ Adopting ergonomic operation with large scale and improving performance.
- ◆ Automatically interlock between cross -cylinder lens and lens coordinates

Specification

Sphere range:	-19.00D~+16.75 (Step: 0.25D)
Cylinder range:	0.00D ~ -6.00D (Step: 0.25D)
	(0.00D to 8.00D with additional lens of-2.00D)
Cylinder axis:	0 to 180°, 5°steps
Cross Cylinder:	±25 diopters
Cross-cylinder lens:	±0.25D
Rotary prisms:	0△ to 20△,1△ steps
P.D.adjustment:	50-80mm,1mm steps
Dimensions:	345×295×85(mm)
Net weight:	4.6Kg



SL-88/88T

Slit Lamp Microscope

Features :

• **Parallel Type, Galilean System**

Stereoscopic binocular fusion
Can upgrade to teaching slit lamp
and digital slit lamp



• **Magnification Changer: Revo Lving Drum**

Warm LED light source, suitable for eye tissue for 20,000 hours
Use PWM to ensure the brightness of light source stable
Continuous ilumination control makes it more convenient to operate

• **Magnification Changer: Revo Lving Drum**

SL320: 10x, 16x, 25X, 3-step magni fication
SL350: 6x, 10x, 16x, 25X, 40X, 5-step
magnification



Specification

ITEM	SL-88T	SL-88
Microscope Type:	Galilean Dystem	
Magnification Changer:	Revolving Drum	
Eyepiece Magnification:	12.5X	
Slit Width:	0mm~14mm Continuously Adjustable	
Slit Length:	1mm~14mm Continuously Adjustable	
Slit Angle:	0~180°Continuously Adjustable	
Filter:	Heat Aborption, Grey, Redfree (Green), CobaltBlue	
Light Control:	PWM: Pulse Width Modulation	
Light Source:	Warm LED	
Magnification:	10X,16X,25X	6.3X,10X,16X,25X,40X
Diopter:	±7D	
Pupil Range:	52mm-85mm	
Visual Field Diameter:	10X:22mm; 16X:14mm; 25X:8.5mm	6X:33mm; 10X:22mm; 16X:14mm; 25X:8.5mm; 40X:5.5mm
lumination Type:	Haag-Streit Type	
lumination Tilting:	5°,10°,15°,20°	
Slit Aperture Size:	φ0.2, φ1, φ3, φ5, φ10, φ14 (mm)	



SL-400 Image System

Digital slit lamp microscope

Quality Optics

Uniquely designed optical system makes MediWorks slit lamps be able to project very sharp and homogeneous slits and apertures.

Doctors can obtain closer observation through MediWorks slit lamps and see all kinds of pathologies clearly. As a result, the diagnosis becomes easier for the doctors who can dedicate more time and energy to the treatment for the patients.

Adjustable Aperture and Fine Focusing

The aperture adjustment ring on the digital camera adaptor provides 6 levels of adjustable apertures. This meets the different demands for depth of view and brightness.

The fine focusing ring which also on the digital camera adaptor enable doctors to do fine focusing on the camera so that the image showed on camera can be as similar to the eyepiece image as possible.

MediView Image Process Software

MediView Image Process Software is a professional software to record and edit images and videos captured by MediWorks slit lamps. MediView can build up and search patient cases conveniently. The images can be edited, measured and compared with the software. MediView is an essential tool for doctors' daily work with slit lamps.

Image Gallery System Specification

Accessories	Beam Splitter, Digital Camera Adaptor(Canon DSLR), Backlit Background Illumination Module, MediView Image Process Software
Functions	Still image (up to 18 mega pixel) acquisition, Patient information management, Inspection report output
Image Acquisition Device	Digital SLR Camera (eg. Canon EOS 550D 750D 60D 80D)
Viewfinder	Microscope eyepieces, Camera viewfinder, Camera LCD, Computer screen
Transmission Interface	USB
Options	Computer, Printer

System Requirements Guidelines

Computer Configuration

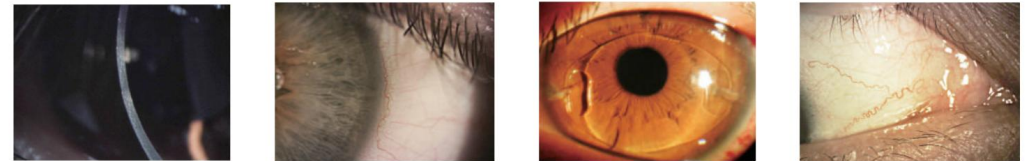
CPU	2.00GHz above
Memory	1024MB or above
Screen Resolution Ratio	1280 X 1024 or above
Printer	A4 colorful printer (recommended) B5, B4 and A5 4 x 6" colorful printers are available

Software Configuration

Operating System	Windows 7 (32/64bit) Windows 8.1 (32/64bit) Windows 10 (32/64bit)
Graphics Card Setting	Color quality:24bit or above



Image Gallery



Specification

Microscope	SL-400 Image System	
Microscope Type	Galilean Stereoscopic Microscope	
Objective Magnification	Five-step Drum Magnification	
EyePiece	12.5X	
Magnifications	6.3X, 10X, 16X, 25X, 40X	
Diopter Adjustment	-5D~+5D	
Pupil Distance	55mm~75mm	
Field of View	6.3X=33mm	10X=22.5mm
	16X=14mm	25X=8.8mm
	40X=5.5mm	

Illumination Assembly

Slit Width	0mm~14mm adjustable	
Slit Length	1mm~14mm adjustable	
Slit Angle	0°~180° adjustable	
Slit Inclination	5°, 10°, 15°, 20°	
Diameter of Light Spot	φ0.2mm, φ1mm, φ2mm, φ5mm, φ10mm, φ14mm	
Filters	Heat Absorption, Grey,	
Illumination Source	Redfree, Cobalt Blue	
Vertical Movement	12V/30W Halogen Source	

Power Supply

Input	AC 110/220V 50Hz / 60Hz
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YZ-30R/YZ-30T/YZ-30X

Applanation Tonometer

The product is designed on the principle basis of Goldman tonometer. Three types are available R and T type are suitable for aig Streit type slit lamp,while X type is suitable for Carl Zeiss type slit lamp.

- It's not only used to examine eyes,but also to measure the intraocular pressure while working under the slit lamp.

- Accurate measurement ensures that the total tolerance is less than 0.066Kpa (0.5mmHg).

- The intraocular pressure can be got directly.

- Measured intraocular pressure will not be affected by hadness of eye.

- Adjustable measuring pressure ensures the working stability and accurate measurement of tonometer for a long time.



YZ-30X



YZ-30R



YZ-30T

Specification

Measuring range:	0 ~ 10.64Kpa
Movement of light circle:	1.53×2=3.06mm
Diameter of probe:	7mm
Moving range of probe:	3mm
With slit lamps:	serials of 66 and others with suspension arm interface
Wight:	300g
Size:	190×80×80mm

KJ-5S1

Hand-held Slit Lamp

Product Advantages:



Complete configuration, easy to carry



The operation is simple, and the routine inspection of the anterior segment can be completed on-site



Can be configured as a portable digital slit lamp



Lighting source

High-brightness LED lighting source, low power consumption, less heat, and long service life.



Easy to carry

Compared with the desktop slit lamp equipment, it has the characteristics of lighter weight, convenient carrying and simple operation.

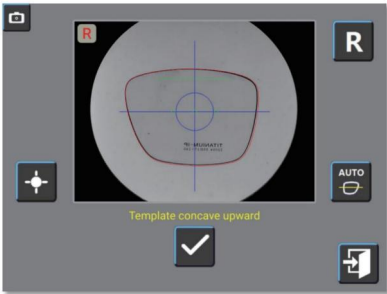
Technical Parameter

Microscope type:	Binocular Crossed Stereo Microscope
Pupillary distance:	49mm-73mm
Eyepiece:	10X、16X
Objective lens:	1X
Diopter compensation:	±5D
Total magnification:	10X、16X
Slit Width:	0-10mm continuously adjustable
Spot diameter:	0.5mm、3mm、5mm、10mm
Filter:	Heat absorption, Grey, Red free, Cobalt blue
Slit rotating angle:	Horizontal ±30°
Maximum illumination of slit Spot:	≥2500LX
Working distance:	80mm
Input power:	13-18VA

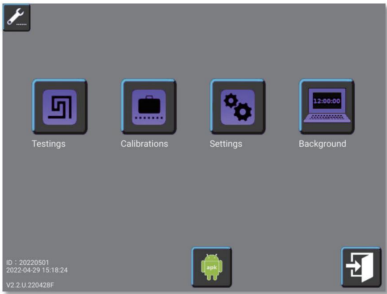


SRD-2000

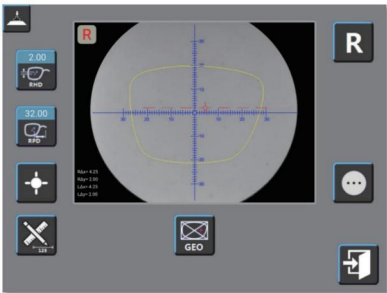
Patternless Edger



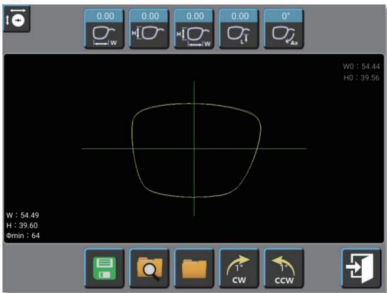
快速扫描模板轮廓，任意放置，自动返回到轴0°位置。
Fast scan template contour, arbitrary placement, automatic return to Axis 0° position.



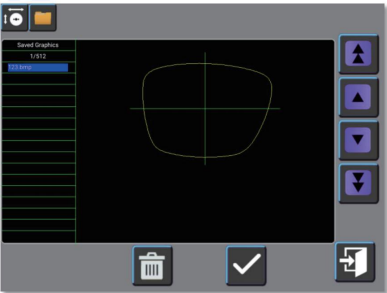
流程操作界面，简单快捷。
Fast scan template contour, arbitrary placement, automatic return to Axis 0° position.



压力吸盘 (OPTorGEOcenter-choose)。
Pressure sucker (OPT or GEO center to choose).



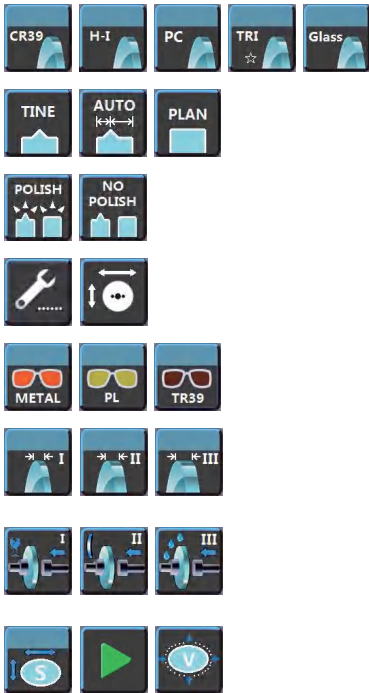
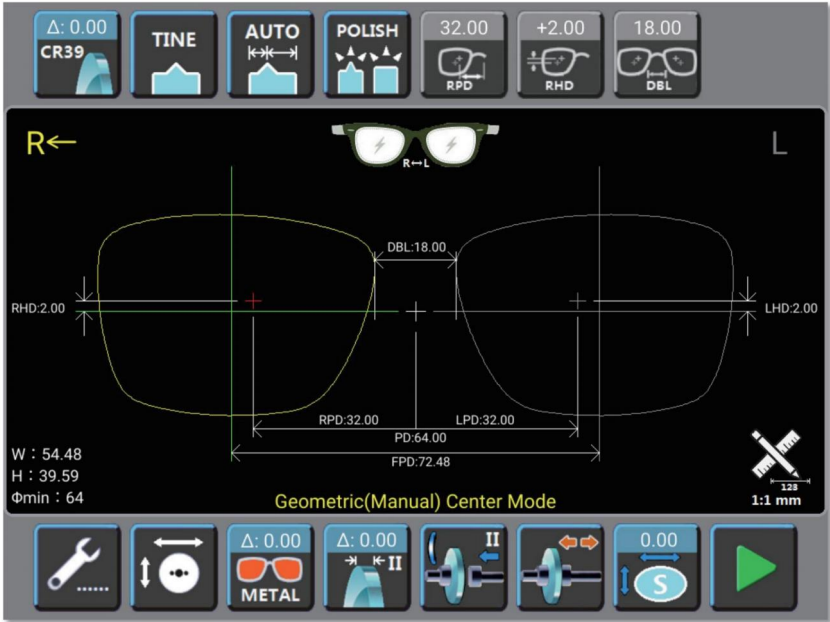
数据修改 (根据需求任意更改: 上、下、左、右或轴)。
Data modification (arbitrary change according to demand: upper, lower, left, right or axis).



数据存储 (存储2048模板数据)
Data storage (store 2048 template data).



详细说明初始设置和经验值
Detail the initial setup and pool experience values.



- MATERIALS;
- SHARP/RIMLESS;
- POLISH;
- SETUP,MODIFY INTERFACE;
- FRAME STYLE;
- THICKNESS
- PRESSURE;
- SIZE,START,REPAIR;

Technical parameters

3D EDGER SRD-2000

Dimension:	Length 705mm*Width 440mm*Height 465mm
Weight:	65Kg
Supply:	220V-230V/50Hz, 110V-115V/60Hz
Power:	1500W
Noise:	≤75dB.
Temperature:	-10°C ~ 40°C



JST-2000

SCANNER SOLO-2000

Dimension:	Length 250mm*Width 210mm*Height 385mm
Weight:	5Kg
Supply:	220V-230V/50Hz, 110V-115V/60Hz
Power:	≤50W
Saved Graphics:	512 pairs
LCD&Touch:	8 inches (resolution 1024*768)
Load Edger:	2 sets
Temperature:	-10°C ~ 40°C



SOLO-2000

Grinding system:

Industrialization: precise size, precise axis position, and fast grinding

Personalization: Different lenses, experience settings, to meet needs

Specialization: Different frames, feature settings to meet-needs

High definition: touch screen, easy to operate, comfortable-to test eyes

Scanning system:

Integration: liner scanning + center positioning

Accuracy: Accurately and quickly obtain the contour graphics of the frame lining

Horizontalization: Arbitrary placement of liners to generate zero-axis graphics

High-definition: 8-inch high-definition touch screen, easy to operate, comfortable to see



SRD-2000

New Technologies
And Powerful
Functions Simple
operation interface
provides
with accurate
operation experience.

Patternless Edger

Auto Lensmeter



LP-6100

Product characteristics:

- Automatic identification of lens type
It supports the automatic judgment of lens type and can automatically identify single light / progressive multifocal lens and other types of lens.
- Green LED light source
When measuring different refractive index lenses, it does not need to set Abbe coefficient compensation, and the operation is simple.
- Hartman measurement method
The optical system of multi-point area measurement is fast, accurate and reliable.
7 inch high definition capacitance touch screen, sensitive response.
Multilingual one-key switching (Chinese, English, Russian, Arabic, Spanish, French).
External power adapter, convenient and safe.

- 1 The measuring range of spherical mirror is $-25 \text{ m}^{-1} \sim +25 \text{ m}^{-1}$.
- 2 The measuring range of column mirror is $-9.99 \text{ m}^{-1} \sim 9.99 \text{ m}^{-1}$.
- 3 The measurement range of gradual addition of light is $-9.99 \text{ m}^{-1} \sim 9.99 \text{ m}^{-1}$.
- 4 The measuring range of corneal contact lens was $-20 \text{ m}^{-1} \sim +20 \text{ m}^{-1}$.
- 5 The step size of top focal degree measurement is $0.01 \text{ m}^{-1}, 0.06 \text{ m}^{-1}, 0.12 \text{ m}^{-1}, 0.25 \text{ m}^{-1}$.
- 6 The cylinder lens measurement range of axial angle of scattered is $0^\circ \sim 180^\circ$, and the step size is 1° .
- 7 The measuring range of base angle of prism is $0^\circ \sim 360^\circ$, and the step size is 1° .
- 8 Prism measurement range: Horizontal $0 \sim 20 \text{ cm/m}$, step size 0.01 cm/m
Vertical $0 \leq 20 \text{ cm/m}$, step 0.01 cm/m .
- 9 The diameter of the measuring lens is $\phi 10 \text{ mm} \sim \phi 100 \text{ mm}$.
- 10 The center thickness of the measuring lens is $\leq 20 \text{ mm}$.
- 11 The measurement range of pupil distance is $40 \text{ mm} \sim 82 \text{ mm}$ and step size: 0.25 mm .
- 12 The measurement range of pupil height difference PH was $0 \text{ mm} \sim 50 \text{ mm}$, step size: 0.25 mm .
- 13 The length of lens leg can be measured: $0 \text{ mm} \sim 160 \text{ mm}$.
- 14 The UV: $0 \sim 100\%$, step size of anti-UV transmittance is 1% .
- 15 Host power supply: DC12V, 48W.
- 16 Power adapter: input AC 100V- 240V, 50Hz -60Hz; output DC 12V, 48W.
- 17 shape size: $413 \text{ mm} \times 170 \text{ mm} \times 217 \text{ mm}$.
- 18 weight: 3.8Kg.
- 19 screen: 800x480 color screen, full screen touch.
- 20 Printer: thermal printing, print paper width 57mm.
- 21 external interface: power interface, USB interface.



Auto Lensmeter

JD-2600

Features :

- Compact and light
- Tilting TFT color LCD touch screen (AL-360: 5.6 inch, AL-360A: 7 inch) clear view, easy and convenient operation.
- Built-in thermal printer, and also can be connected to computer, and display the data on computer.
- Built-in UV tester
- PD measuring
- Automatic recognition of single and progressive lens
- Memory Function

Specification :

Measure scope	
Sphere	0~±25D 0.01/0.12/0.25D steps
Cylinder	0~±9.99D 0.01/0.12/0.25D steps
Axis	0°~180° (1°step)
ADD	0~+9.99D 0.01/0.12/0.25D steps
prism degree	0~15 Δ 0.01/0.12/0.25 Δ steps
mode	
cylinder	+,+/-,-
prism	X-Y,P-B
Contact lens	Soft/hard
Measuring mode	Single/progressive/ automatic recognition contact lens
Others	
Diameter of lens	Ø 20~108mm
PD:	45~90mm, 0.25mm steps
Speed	0.1S
ABBE	30~60
Display	TFT LCD (5.6") ,LFT LCD (7")
Printer	Thermal print
Dimensions	222(D)×161(W)×372(H)mm
Package	515(H)×320(W)×360(D)mm
Weight	~5KG
Power supply	100~120V/200~220V 50/60HZ



JD-2600



JD-2600A

LCD Chart Projector



SC-800

Product characteristics:

- Appearance of 21.5-inch screen, frame with narrow edge drawing process, thin and beautiful.
- 178° ultra-wide visual Angle PLS LCD panel, 30% increase in transmittance, abandon the
- "frost-screen" visual experience.
- Pixel matching visual standard is matched to the full pixel unit, and half pixel burrs are completely eliminated. Extremely short response time brings smooth control experience.

Panel Type: 21.5-inch HD PLS Panel

Resolution: 1920 x 1080

The maximum: brightness is 320 cd/m²

Working distance: 1.0m~6.5m adjustable (step distance 0.1m)

Installation Method: Table type / Wall-mounted

Basic visual markers: C / E / letters / numbers / Children's visual markers / ETDRS visual markers

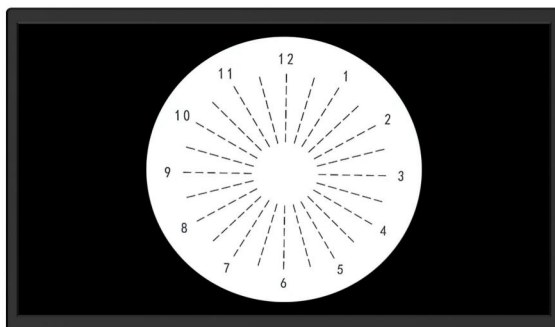
Functional visual standard red green / astigmatism / binocular balance / fusion, a total of 15 kinds

Dimensions Weight (Wall mounted): Main Machine 575mm(W) x 135mm(H) x 400mm(D) / 2.2kg

Remote control: 55mm(W) x 186mm(H) x 17.2mm(D) / 80g

Power parameters: input 100V-240V, 50Hz-60Hz; The output DC 12V, 48W

SC-800



ASP-100AB

AB Scan

Features :

- 10MHz B probe
- Software image workstation
- B,B+B,B+A,A modes
- Video review for 100 images
- PDF report output
- Optional 20MHz B Probe
- Vitreous plus fuction



Specification

A scan	
Probe:	10MHz,with LED
Precision:	±0.05mm
Depth:	15-40mm
Measurement:	10 Scanning results for each eye
IOL Formula:	SRK-II,SRK-T,HOFFER-Q,HOLLADAY,BINKHORST-II,HAIGIS
Eye models:	NORMAL/DENSE/APHAKIC/PMMA/SILICONE/ACRYLIC

Standard configuration
Main unit
10MHz Mechanical sector B probe
10MHz imported A probe
Foot switch
Network cable
Workstation software

B scan	
Probe:	10MHz,magnetic driven,noiseless
Scanning Model:	Sector Scanning
Resolution:	Lateral ≤0.3mm; Vertical≤0.22mm
Output:	PDF format case report,connect to normal printer
Scanning Angle:	53°
Measure Model:	distances,perimeter and area
Movies:	100 images movie review,AVI ZIP JPG formal image output
Gray Scale:	256
False Color:	12 false colors
Depth:	60mm

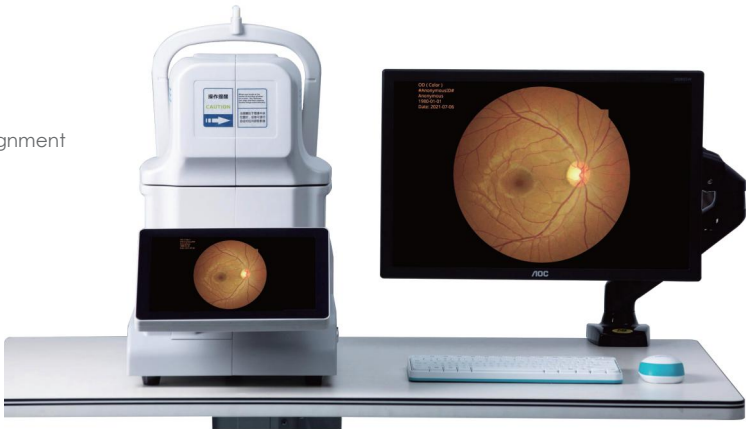
Optional cnfiguration Battery
Video recorder
Ethernet switch
Immersion shell
Print BOX

Reticam 3100 mini

Automatic Fundus Camera

Features :

- ◆ One-key click, picture acquired automatically
- ◆ Automatic chinrest adjusting, pupil searching and alignment
- ◆ Non-mydriatic, automatic focus and exposure
- ◆ DICOM and AI system are available



Specification

Image acquisition system	
Acquisition modes :	non-mydriatic / mydriatic
Field of view:	50°
Working distance:	13 mm
Minimum pupil size:	≥2.8 mm
Focus modes:	Auto /manual
Exposure modes:	Auto /manual
Operation:	Auto/manual
Photography:	SLR camera
Resolution:	5megapixels
Diopter compensation:	±25D
Fixation:	Internal fixation
Autofocus assistance:	Dual camera
DICOM 3.0:	Yes
Customization AI port:	Yes

Others	
Dimensions:	280mm(L)x559mm(W)x460mm(H)
Weight:	21kg
Power supply:	100-240V 50/60Hz

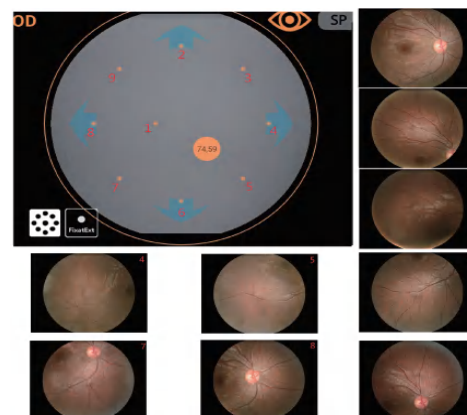


Reticam 3100

Fundus Camera

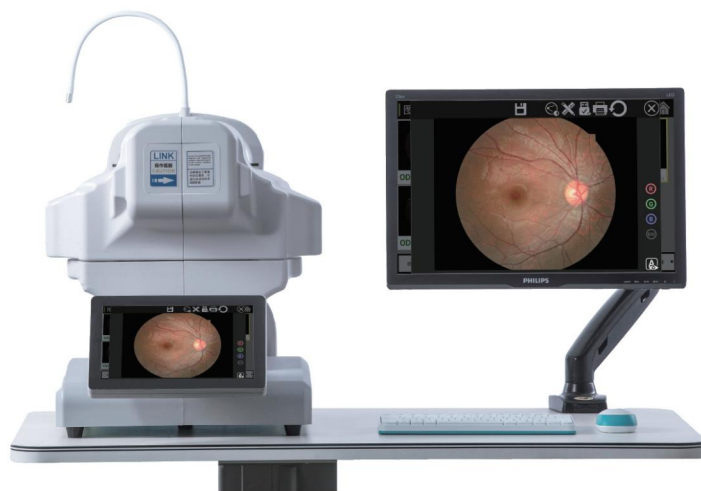
• 135°wide field -9-position mosaic

Mosaic function can generate the fundus image up to 135°field of view from 9 images of 50°field width each. More fixation points are distributed between 9 internal fixations shown.



Specification

Image acquisition system	
Field of view :	50°
Working distance:	35mm
Minimum pupil size:	>3.3mm
Focus modes:	Auto /manual
Exposure modes:	Auto /manual
Operation:	Auto /manual
Photography:	SLR camera
Image resolution:	24 megapixels
Diopter compensation:	±25D
Fixation:	External fixation / internal fixation
Autofocus assist light:	Infrared LEDED
DICOM 3.0:	Yes
Customization AI port:	Yes
Others	
Dimensions:	380mm(L)x550mm(W)x475mm(H)
Weight:	26.5kg
Power supply:	100-240V 50/60Hz



B1O-1000

Automatic Computer Perimeter

Features :

*Comprehensive real-time monitoring, heiii-krakau physiological blind spot monitoring、 gaze tracking/head position tracking, automatic measurement of pupil diameter, reduce the impact of pupil effect on visual field detection.

*Personalized design, accurate clinical analysis, accurate and rapid examination strategy.

*Under international Goldman standard, providing a variety of calssic test procedures and report analysis

Specification

Basie specification		Others	
Inspection range:	90°	Size:	412mm(L)x497mm(W)x513mm(H)
Inspection distanc:	30CM	Weight:	17kg
Background light brightness:	White 31.5asb	Power:	100-240V 50/60Hz
Visual target brightness:	1 asb—10000asb		
Visual target size:	Goldmann III		
Visual target interval time:	200ms		
Visual target interval time:	Standard or adjustment according to patient reflection		
Threshold test model:	Center 5o-16,center10-68, 24-2, 30-2, 30°-60°, nasal step		
Upper Threshold test model:	30°-40,30°-76, P-60, 60°-81,60°-120,1 90°-135 nasal side		
Special detection strategy:	Esterman monocular,Esterman binocular ,user-customized test,150o driver monocular fast detection, 150o driver monocular standard detection , upper 36° detection, blind spot detection, 150°horizontal straightness detection		
Pupil size test:	Automatic		
Fixation monitoring:	Blind spot monitoring , eye position eye position deviation alarm, eye deviation curve		
Environment light detection:	Automatic		
Analysis software :	Reliability analysis, single vision report, triple visionreport, GPA half vision analysis, GPA glaucoma developing analysis ,VFI vision index analysis		
Operation system :	Win7 above		



HAR-1000

Portable Refractometer

Features

◆ The easyRef is an innovative wavefront refractometer that precisely measures refractive errors of patients from 6 months old through adults within just seconds.

The device is designed and engineered to be handy and user-friendly with one-button operation. With the short working distance, the device is extremely easy-to-focus.

- ◆ **Accurate** Shack-Hartmann based autorefraction for objective and accurate refractive assessment.
- ◆ **Anyone** Refracts babies, children, and adults, even wearing glasses or contact lenses.
- ◆ **Anywhere** No dark room required, the easyRef works in normal light conditions.



Specification

Sphere range:-10.0D ~ +10.0D, step 0.25D
Cylinder range:-5.0D ~ +5.0D, step 0.25D
Axis of astigmatism range:1° ~ 180°, 1°
Data acquisition time: <1s / eye
Iris imaging:Yes
Connections:USB, Wif, Bluetooth; easy data transfer to pc or printer
Print to:Bluetooth printer (optional)
Dimensions:203mm x 110mm x 50mm



MD-480A

Phaco Emulsifier

Description

- All parts of the system are fully controlled and monitored by Microprocessor Technology
- Smoothly and efficiently controlling the emulsifier process with digital frequency tracing technology of handpiece
- Easy operation and user-friendly interface with large touch screen TFT and functional menu
- Up to 10 sets of parameters preset meets different requirements and simplifies the surgery operation
- Auto test checks tubing and handpiece problems (e.g.: block or leakage)
- The peristaltic pump gives complete control of aspiration flow rate as well as freedom from anterior chamber shallowing. This way can give stronger suction when working in I/A
- Built-in vitrectomy and cautery
- Intelligent voice reminder



Specifications

• Ultrasonic Emulsification(U/S)

1. Frequency: 40kHz

2. Functional mode: Continuance, Pulse, Linear, Burst

Continuance-Emulsifying power Range: 0-100%

Pulse: Frequency Range 1-99Hz

Linear: Emulsifying Power Linearly controlled by Foot Switch, varies between 0-100%

Burst-Stopping Time: 1.5-0s

Working Time: 5-100ms

3. Maximum Vacuum: 500mmHg

4. Maximum Flux Rate: 40ml/min

• Irrigation/Aspiration(I/A)

Flux Rate: 0-40 ml/min

Reflux Rate: 20ml/min

Max Vacuum: 500mmHg

• Vitrectomy(VIT)

Cutting Power Source: Air Pump

Cutting Frequency: 20-600/min; Single Cut Mode

Maximum Vacuum: 500 mmHg

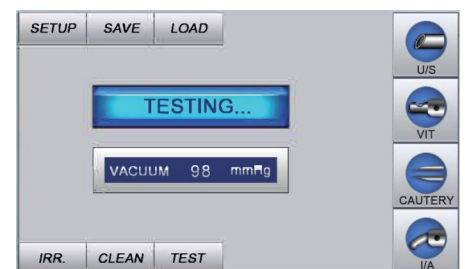
Maximum Flux Rate: 40 ml/min

• Cauter

Maximum Power: 10 W $\pm$ 20% (200 Ω)

Type: Bipolar

Power preset between: 0-100%



MD-920

YAG Laser

Specification

• Laser Type: Nd:	YAG, Q-Switched
• Wavelength:	1064 nm
• Burst:	1,2,3 pulse per burst
• Pulse Dutation:	4.5 ns
• Repetition Rate:	2.5Hz
• Energy(Power):	A)1-pulse maximum output: 11mJ B)2-pulse maximum output: 9mJ C)3-pulse maximum output: 28mJ D)Output Energy Regulation: 100%~6% adjustable by 7 steps
• Cone Angle:	18°
• Spot Size:	30 um
• Aiming Beam Wavelength:	633 nm
• Cooling System:	Air Cooled
• Dimension:	765mm × 610mm × 420mm
• Weight:	19 Kg



SW-500

Rebound Tonometer

Features

- ◆ With vertical and horizontal two working modes, wireless output print data. The equipment is used to measure intraocular pressure, using the principle of: the probe hits the surfaces of different hardness at a certain speed, has different reaction when the probe rebounds.
- ◆ Be of advantages of high accuracy, portable, without anesthesia, without the cross-infection etc.

Specifications

Measuring Range:3mmHg~70mmHg
Measuring Error:±1.5mmHg(3mmHg≤intraocular pressure≤25mmHg)
±2.5mmHg(25mmHg≤intraocular pressure≤70mmHg)
Measurement can go along both in standing and lying posture
Wireless data printing.
Easy to learn ,easy to use
Lightweight and handy
No anesthesia, avoiding discomfort reaction



Wireless Translate

ST-1000/ST-1000P

Non contact Tonometer



ST-1000/ST-1000P

Non Contact Tonometer

Specification

Image acquisition system

IOP range	1~ 30mmHg /60mmHg (ST-1000P)
Measuring system	Dual sensor system with optic and air blow
Measuring mode	Auto/Manual
Working Distance	≥11mm
R/L	Automatic detection and shift
Result display	10 times measurement and calculation per test with 3 best compatible results printing out per eye
Size	380 mm (L) x 460mm (W) x 505mm (H)
Weight	19.7kg
Power supply	220V/50HZ
Display	10.1-inch LED touch monitor
Output port	USB2.0

Note: with development of technology, specifications and design are subject to change without notice.



NCT-5000A/B

Non Contact Tonometer

Specification

	NCT-5000A	NCT-5000B
Measurement mode:	Fully automatic/Automatic/Manual	
Corneal thickness measurement:	Not support	Support Measurement range-CCT:400-800um Measurement increment-CCT:10um Light Source:Blue LED
Display:	1 internal fixation light (green LED), 2 external fixation lights	
Measurement accuracy:	1mmHg(0.133Kpa)	
Measurement range:	0-60mmHg(0-8Kpa) Include automatic switching between 30/60mmHg	
Printer:	Built-in thermal printer, automatic paper cutting	
Data output/input:	Input: USB; Output:LAN/RS232C	
Size and weight:	Size and weight	



YZ-24B+YZ-11D

Rechargeable Retinoscope and Ophthalmoscope

Features :

- ◆ Improved light path and excellent optical performance.
- ◆ Imported halogen bulb provides high and adjustable brightness and good color rendering.
- ◆ Smart, portable and convenient for mobile inspection.
- ◆ Equipped with special charger, quick and convenient recharging, against over recharging.
- ◆ Anti-recharging and anti-discharging function protects the battery.

Specification

Illumination Form:	Large Spot, Small Spot, Slit, Net, Red Free
Diopter Compensation:	0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±16 ±20 -25 -35D
Illumination Source:	3.5V/2.8W, Halogen Bulb
Input Voltage:	AC220V22V/50Hz1Hz, AC110V11V/60Hz1Hz
Power (Main body of Ophthalmoscope):	Li+ Battery Pack 3.7V,Rechargeable



YZ-6H

Direct Ophthalmoscope

- LED cold light source.It is durable enough with the designed service life of 100000 hours.
- Low heat benefits from the cold light source.
- Bulb maintains 3200K color temperature for long time.The illumination is soft and more similar with sunlight.
- Ultraviolet radiation is eliminated to fully protect patient's eyes.
- Even light spot and sharp observed fundus image.
- Soft rubber around the eyeholes protects eyes and stabilizes the ophthalmoscope.
- Aseismic design,soft start and automatic turn-off function ensure the product to be safer and more durable.



Specification

Illumination Type:	Large Spot , Small Spot , Slit , Net , Red Free
Diopter Compensation:	0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±15 ±20 -25 -35D
Illumination Source:	3.5V/1W LED Bulb
Power Supply:	AC110V/220V±10%, 50Hz/60Hz

DR-1900

Rechargeable Diagnostic Set

Specification

DR-1900	Rechargeable Diagnostic Set
465-1902	Set complete with:
	3.5V Coaxial Ophthalmoscope
	3.5V Rechargeable Retinoscope
	2pcs of 489 Rechargeable Handle
	DT802 Desk Charger
	Power adapter
	Carton Box
Ordering information	
Item Description	
410-0010	3.5V Coaxial Ophthalmoscope
418-0012	3.5V Streak Retinoscope
489-0010	489 Rechargeable with battery
488-1000	DT802 Desk charger Set
410-0910	P4900 3.5V Spare bulb of ophthalmoscope
418-0910	R4180 3.5V Spare bulb of Streak Retinoscope



YZ-11D

Rechargeable Direct Ophthalmoscope

Specification

Illumination Form:	Large Spot, Small Spot, Slit, Net, Red Free
Diopter Compensation:	0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±16 ±20 -25 -35D
Illumination Source:	3.5V/2.8W, Halogen Bulb
Input Voltage:	AC220V22V/50Hz1Hz, AC110V11V/60Hz1Hz
Power (Main body of Ophthalmoscope):	Li+ Battery Pack 3.7V,Rechargeable

Features

- ◆ Improved light path and excellent optical performance.
- ◆ Imported halogen bulb provides high and adjustable brightness and good color rendering.
- ◆ Smart, portable and convenient for mobile inspection.
- ◆ Equipped with special charger, quick and convenient recharging, against over recharging.
- ◆ Anti-recharging and anti-discharging function protects the battery.



YZ-24B

Rechargeable Retinoscope

Specification

Working Distance:	0.67m
Streak width:	3mm-20mm
Illumination Source:	3.5V/2.8W Halogen Bulb.
Input Voltage:	360°
Power Supply:	AC100V to 250V, 50Hz/60Hz
Power (Main body of Ophthalmoscope):	Li+ battery pack DC:3.7V

Features

- ◆ The filament can be 360° rotated and be adjusted upward and downward.
- ◆ Quickly and precisely measure the astigmatism axis
- ◆ The light can be converged, radiated and paralleled.
- ◆ Continuously adjustable brightness.
- ◆ Convenient quick recharging.
- ◆ Anti-overcharging function protects the battery
- ◆ Connected with the head of ophthalmoscope is also available.
- ◆ Double electricity double sufficient power.YZ24B and YZ11D could be recharged at the same time



YZ-20P5

Operation Microscope

Features :

Foot control focusing,Three-step magnifications,depth of field and binocular fusion is good,can meet the needs of cataract surgery.

The use of apochromatic technology,so that different wavelengths of light in the lens behind the focus of close,the surgeon's field of vision more clear.

The weight of the whole machine is only 41kg,the whole machine is light and compact,especially suitable for mobile medical treatment.



Specification

Style:	Binocular for single person		
Center distance of light:	26mm		
Adjustment Range of Pupil Distance:	55mm ~ 75mm		
Spot diameter:	≥37.5mm		
Tiny focus distance:	≥30mm		
Speed of tiny focus:	≤2mm/s		
Obiective:	200mm	250mm(Optional)	400mm(Optional)
Work dostance:	190mm	240mm	390mm
Total magnification:	5.3×, 8×, 12×	4.3×, 6.4×, 9.6×	2.7×, 4×, 6×
Aperture:	0.0235 ~ 0.0348	0.0188 ~ 0.0248	0.012 ~ 0.0176
Vision field:	5.3×(Φ37mm) 8×(Φ25mm) 12×(Φ16.7mm)	4.3×(Φ46mm) 6.4×(Φ31mm) 9.6×(Φ21mm)	2.7×(Φ74mm) 4×(Φ50mm) 6×(Φ33.4mm)
Diopter adjustment range:	+5D ~ -5D		
Height of eyecups:	18mm		
Maximum stertching radius of arm:	870mm		
Vertical movement range:	700mm ~ 1100m		
Power Supply:	AC110V/220V±10%, 50Hz/60Hz		

YZ-20T9

Operation Microscope

Features :

- Advanced apochromatic technology and unique optical balanced technology effectively improves the binocular visual fusions, strengthens in third dimension and reduces surgeon's tiredness during operations.
- Fine focusing knob is under the bottom of assistant binocular. The observation of the assistant microscope can be finely focused independently of the main microscope to avoid different observation difference from surgeons.
- 20° oblique illumination can also be used as slit illumination. Slit width is continuously adjustable.
- For ophthalmic use.



Specification

Adjustable objective lens:	F200mm	F300mm (optional)
Working distance:	190mm	290mm
Total magnification:	4×, 6×, 10×, 16×, 25×	2.7×, 4×, 6.7×, 10.7×, 16.7×
Field diameter:	4×(Φ58mm) 6×(Φ38mm) 10×(Φ23mm) 16×(Φ14mm) 25×(Φ9mm)	2.7×(Φ87mm) 4×(Φ57mm) 6.7×(Φ34.5mm) 10.7×(Φ21mm) 16.7×(Φ13.5mm)
Eyepiece magnification:	12.5×	
Adjustable Diopter:	+5D ~ -5D	
Adjustment Range of Pupil Distance:	55mm ~ 75mm	
Illumination Source:	12V/100W, cold reflection halogen lamp for medical use	
Primary eyepiece tube angle of view:	45°	
Illumination Mode:	6 °±0° cold light source coaxial illumination or 25° oblique illumination	
Fine focus speed and Range:	≤2mm/s, 50mm	
Speed of X-Y and Range:	≤2mm/s, 50mm × 50mm	
Power Supply:	AC110V/220V±10%, 50Hz/60Hz	
Maximum extension radius of microscope cross arm:	1040mm	
Vertical adjustment range:	850mm ~ 1350mm	
Power Consumption:	380VA	

YZ-2000L

Operation Microscope

A Stereo & Colorful View from Olympus Optics and Cormfort View Eye Pieces.

Applied to various surgical needs

Non contact wide-angle observation system

high resolution

Large and wide angle

Non deformable surgical observation field of view



Technical Parameter

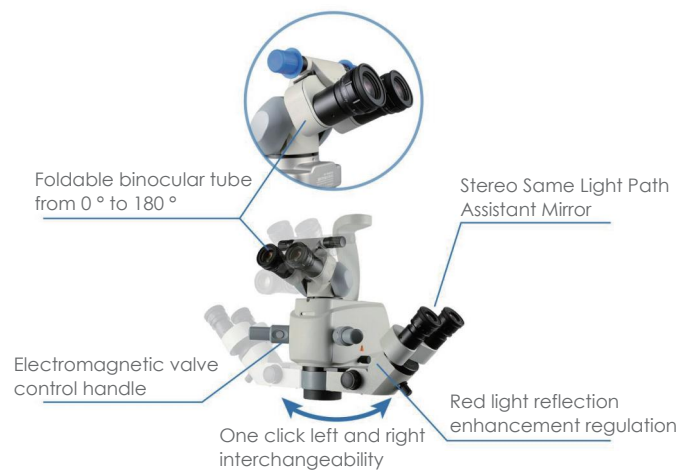
	Item	Specification
Microscope	Optics:	OLYMPUS®
	Eyepiece:	10x wide field
	Observation Angle:	30°, 0°~180° (optional)
	Pupil distance:	55-75mm
	Diopter:	±5D ~ -8D(binocular)
	Magnification:	4X~20X
	Working Distances:	200mm
	focus range:	40mm
	Camera tilt angle:	0~30°
X-Y translation	Moving range:	50mmx50mm
	Reset:	Automatic reset
	Speed:	2.2mm/sec
Base	Base size:	560mmx560mm
	Adjustment range:	±260mm
	Extended length:	1250mm



YZ-3000L

Operation Microscope

Foldable binocular tube for more comfortable surgery



Technical Parameter

	Item	Specification
Microscope	Optics:	OLYMPUS®
	Eyepiece:	10X wide-angle, 12.5X wide-angle (optional)
	Observation Angle:	Foldable binocular tube from 0° to 180°
	Pupil distance:	55-75mm
	Diopter:	±5D ~ -8D(binocular)
	Magnification:	4X~28X
	Working Distances:	200mm
	focus range:	≥50mm
	Camera tilt angle:	0~30°
X-Y translation	Moving range:	50mmx50mm
	Reset:	Automatic reset
	Speed:	2.2mm/sec
Lighting	Control mode :	8-level brightness adjustment, foot pedal control, panel control
	Light source:	Dual lamp 15V/150W imported halogen lamp
	Brightness:	≥70,000Lux

AI-OPTIC



OCT-500

Optical Coherence Tomography

OCT-500

Optical Coherence Tomography

Specification

Methodology	spectral domain OCT
Axial resolution	$\leq 6 \mu\text{m}$ (in tissue)
Transverse resolution	$\leq 20 \mu\text{m}$ (in tissue)
Scan depth	$\geq 2.5\text{mm}$ (in air)
Scan range	6-12mm
Scan speed	$\geq 24,000$ A-scan/sec, up to 36,000 A-scan /sec
Scan mode	3D (Macular & Optic Disk), HD,Raster,Circle , Cross
Analysis mode	Up to 7 retinal layers segmentation, Macular analysis mode, RNFL & Optic Disk analysis mode, Glaucoma analysis mode and Progress analysis for follow-up examination.
Fundus image	OCT en face
Focus adjustment	-15D to +15D
Pupil diameter	$\geq 3\text{mm}$
OCT light source	840nm SLD
Optical power	750um(at cornea)
Operation	13.3inch touch screen ,optional external mouse or keyboard
Power supply	100-240V,50/60 HZ
Dimensions	497 x395x490mm
Weight	34kg



Mocean 3000 Plus

Optical Coherence Tomography

Mocean 3000, configured with state-of-the-art SLO-OCT imaging systems and the SLO-based eye tracker, is a powerful diagnostic tool for a variety of ocular diseases.

The key advantage of Mocean 3000 is the simultaneous acquisition of cross-sectional OCT imaging and 45 degrees fundus imaging based on Scanning Laser Ophthalmoscope (SLO).
It gives you an overview of the retina so you can easily locate the lesion area before acquisition.
Moreover, the eye tracker based on SLO can minimize the artifacts caused by eye drift and micro saccades, which gives you more confidence in practice.



Specifications

OCT IMAGING	
Methodology	Spectral domain OCT
Optical source	Super luminescent diode (SLD), 840 nm
Axial resolution (optical)	5 microns (optical), 3.6 microns (digital)
Transverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	3 mm
Diopter range	- 20 to + 20 diopters
Scan patterns	Macular: HD line scan (6 / 12 mm), 3D scan (6 mm x 6 mm), 6-line radial scan, Multi (X-Y: 5 x 5); Disc: 3D scan (6 mm x 6 mm) Anterior: HD line scan (6 / 16mm), 6-line radial scan
FUNDUS IMAGING	
Methodology	Line scanning laser ophthalmoscopy (LSLO)
Minimum pupil diameter	3.0 mm
Field of view	45±1 degrees
ELECTRICAL AND PHYSICAL	
Weight	30.5 kg
Dimension	532 mm (L) x 360 mm (W) x 540 mm (H)
Source voltage	AC 100 - 240 V, 50 Hz - 60 Hz
Power input	90 VA

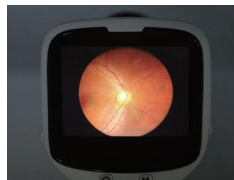


HFC-100B

Hand-held Fundus Camera

Features :

- Un-dilated retina camera
- 42 degree FOV
- Wifi and USB data transfer
- Patient record management system



Specification

FOV:	45 degree
Flash mode:	White LED/ Near Infrared LED
Resolution ratio of image:	1920* 1080
Min. pupil:	2.5mm
Screen:	3.5 inch TFT colored screen
Format:	JPEG
Interface:	Micro USB
Image transfer:	Micro USB, WIFI
Storage:	Micro SD card, maximum to 32G
Power:	Li-on rechargeable battery 3.6V/3400mAh
Net weight:	400g
Size:	19*10*21cm



HFC-200

Hand-held Fundus Camera



Automatic or Manual at your choice

Exploit automatic focusing and retina detection, or manually tune your photo.



6 hours continuous use

Enjoy extended use without worrying to check the battery all the time



Cloud Retina Assistant included

Connect to the cloud Retina Assistant for instant pathologies detection



2.5mm minimum pupil

Save time and enjoy a high success rate



PC integration

Patient management software for PC with automatic retrieval of images via WiFi and printout support



Mounted base

Optional mounted base available to increase stability and simplify image capture



- Manual and autofocus operation
- 2,5 mm pupil size
- Retina Assistant

Specification

Field of View:	45°
Minimum pupil:	2.5mm
Image Resolution:	1920 x1080
Fixation Targets:	8 internal fixation targets
Dioptr Compensation:	-20 — +20D
Connectivity functions:	Software connection to PC
	ID card reader (specific countries)
	NFC reader
	DICOM compatible
Image modalities:	IR white LED
Battery:	lithium 3.7V 3400mAh 6h working time
Screen size:	3.97 inch TFT-LCD
Weight:	560fg





Modular Table Model: CT-700S
 Modular Table Dimensions: 960*1050*1600mm
 Small Tabletop Dimensions: 410*310mm
 Drawer Dimensions: 54*39mm
 Small Tabletop Sliding Travel: 420mm
 Swing Arm Rotation Angle: 90°
 Shipping Weight: 143kg
 Outer Packaging Dimensions: 115*102*84mm
 Colors: Gray, Blue, Black
 Large Tabletop Dimensions: 505*1050mm
 Height from Ground to Small Tabletop: 850mm
 Height from Ground to Large Tabletop: 835mm
 Height from Ground to Bullseye: 1300-1630mm
 Chair Height Adjustment Travel: 150mm
 Chair Backrest Dimensions: 600*500*100mm
 Voltage: 220V (60/50H)
 Modular Table Weight: 111kg





Modular Table Model: CT-800S
 Modular Table Dimensions: 960*1050*1600mm
 Small Tabletop Dimensions: 410*310mm
 Drawer Dimensions: 54*39mm
 Small Tabletop Sliding Travel: 420mm
 Swing Arm Rotation Angle: 90°
 Shipping Weight: 200kg
 Outer Packaging Dimensions: 115*102*84mm
 Colors: Gray, Blue, Black
 Large Tabletop Dimensions: 505*1050mm
 Height from Ground to Small Tabletop: 850mm
 Height from Ground to Large Tabletop: 835mm
 Height from Ground to Bullseye: 1300-1630mm
 Chair Height Adjustment Travel: 150mm
 Chair Backrest Dimensions: 600*500*100mm
 Voltage: 220V (60/50H)
 Modular Table Weight: 150kg



Modular Table Model: CT-900S
Modular Table Dimensions: 960*1050*1600mm
Small Tabletop Dimensions: 410*310mm
Drawer Dimensions: 54*39mm
Small Tabletop Sliding Travel: 420mm
Swing Arm Rotation Angle: 90°
Shipping Weight: 200kg
Outer Packaging Dimensions: 115*102*84mm
Colors: Gray, Blue, Black

Large Tabletop Dimensions: 505*1050mm
Height from Ground to Small Tabletop: 850mm
Height from Ground to Large Tabletop: 835mm
Height from Ground to Bullseye: 1300-1630mm
Chair Height Adjustment Travel: 150mm
Chair Backrest Dimensions: 600*500*100mm
Voltage: 220V (60/50H)
Modular Table Weight: 150kg



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