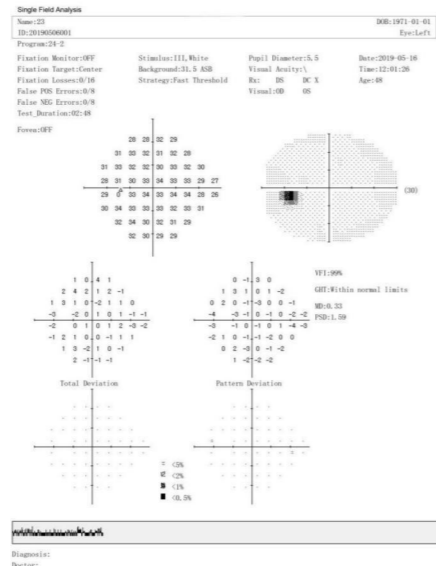


BIO-1000 Vision Field Analyzer

Feature:

- Comprehensive real-time monitoring , heiji-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 classic test procedures and report analysis.



Technical Data

| | |
|-----------------------------|---|
| Inspection range | 90° |
| Inspection distance | 30cm |
| Background light brightness | White 31.5asb |
| Visual target brightness | 1asb---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 5°-16, center 10°-68, 24-2, 30-2, 30°-60°, nasal step |
| Upper Threshold test model | 30°-40, 30°-76, P-60, 60°-81, 60°-120, 190°-135, nasal side |
| Special detection strategy | Esterman monocular, Esterman binocular, user-customized test, 150° driver monocular fast detection, 150° 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 vision report, GPA half vision analysis, GPA glaucoma developing analysis, VFI vision index analysis |

BIO-1100 Projection Perimeter

Feature:

- Rigorous implementation of Goldman international standard.
- Halogen projection: stimulation light source is wide band visible spectrum, meet colored cone cell stimulation.
- Accurate and elaborate database of normal population of all age, recognition of subtle early visual field defects.
- GHT glaucoma semi vision analysis, make glaucoma diagnosis easier.
- GPA glaucoma progression analysis upgrade, slight glaucoma development is obvious.
- Standard SWAP blue-yellow visual field examination, sensitive to earlier visual field defects.
- Scientific and intelligent interactive inspection strategy, 30 degree visual field inspection only takes 3minutes
- 8. Simple one-stop modular software design, equipment operation learning only 2 minutes.



Technical Data

| | |
|--------------------------------|--|
| Testing scope | 90° |
| Testing distance | 30 cm |
| Background light | white31.5asb, yellow315asb |
| Visual target | 0.08 asb -10000 asb (0-51DB) |
| Target size | Goldmann I , II, III, IV, V |
| Visual target stimulation time | 200 ms |
| Visual target interval time | Standard and custom |
| Threshold policy | Macula, 10-2, 24-2, 30-2, 60-4, nasal side |
| Upper threshold policy | C-40, C-64, C-76, FF-81, FF-120, FF-135..... |
| Special detection strategy | Esterman monocular, Esterman binocular, upper 36°screening, blind point testing |
| Yellow- blue testing | Standard 440nm blue V visual target + 315asb OG530 yellow background brightness |
| Visual target | Red, blue |
| Dynamic policy | Standard dynamic, blind dynamic, dark spot dynamic, straight line dynamic |
| Custom policy | Static custom dynamic custom |
| Pupil size measurement | Auto |
| Fixation monitoring | Physiological blind spot monitoring, eye position monitoring, eye position moving alarm, eye tracking curve |
| Environment light testing | Auto |
| Analysis software | Reliability analysis , single report, triple report, GHT glaucoma semi vision report, GPA glaucoma developing analysis, VFI analysis, Blue-yellow analysis |

SK-850 Projection Perimeter

Feature:

SK-850A is a latest perimeter which could be one of leader all over the world. It is designed full compliance with the Goldman standards; All the wavelengths, luminance and stimulus size are designed according to International standard, and the analysis software includes various factors which may affect the visual field during the checking. This perimeter can satisfy the clinical requirements of top medical institution and specific requirement of scientific research institution.

- Auto-calibration after switch on
- Spot control by optical progressive lens
- Accurate and fast strategies
- Esterman monocular binocular



• Projection Spot Compliance with The International Standard and Calibrated Initial Luminance Brightness:

SK-850A adopt optical gradual coating technology, to obtain International standard luminance brightness 0~10000asb(0-51db) by precise controlling the optical lens transmittance, ensure the brightness of each dots are full compliance with the International standard.

While power up system, perimeter software will get the digital calibrated array mode of optical gradual lens and coated lens by actinoscope on the optical projection head, to make sure the initial projection brightness standard won't be changed by unstable Environmental voltage and bulb decay. It can ensure that all the medical measured data is under the international standard brightness which is accuracy.

• Excellent Test Strategy Designed

The designed test strategy shorten testing duration and improve the accuracy of result which was considered the greatest possibility of the different age range, responsiveness, visual field loss, and distribution regularities of vision island.

Kinetic test:

- (1) Kinetic test mode: Standard program, Static points, Scotoma map, Blind spot map, Custom Programs
- (2) Stimulus speed: 1~9°/S adjustable

Static test:

- Threshold test program: Macula, 10-2, 24-2, 30-2, 60-4, Nasal step
- Screening test program: C-40, C-64, C-76, C-80, C-Armaly, P-60, Nasal step, FF-81, FF-120, FF-135, FF-246, FF-Armaly
- Specialty test program: Esterman monocular, Esterman binocular, monocular 150° Visual field Superior 36,

Superior 64

- User-defined test: Available for storing 10 programs
- Test strategy: Auto threshold test, Full threshold, Auto threshold fast
- Screening test strategy: Zone 2, Zone 3, Quantify defects, Age related, Single stimulus, Threshold related test.
- Analysis Software: Creditability analysis, Single field analysis, Multi fields analysis, Glaucoma Hemifield Test, Glaucoma progression analysis

• Kinetic Test

Software control+ imaging diaphragm+ the movement of projection head in kinetic testing can guarantee the luminance of projection spot won't be abnormal and unfocus while projection distance changes.

• Optical Coating Design with Turnplate

To guarantee the wavelength of projection spot conform to the international standard.

- * Red light 610nm
- * Blue light 440nm
- * White light 580nm

• Five Apertures Design with Focusing Turnplate

Standard cora projection system, projection light without chromatic aberration.

To guarantee the projection light is clear and well focus while projection on aspheric surface, projection spot with even light without scattering.

• Blue-Yellow Detection

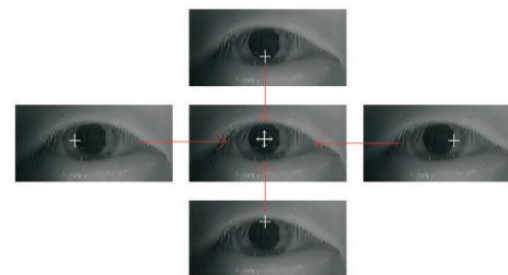
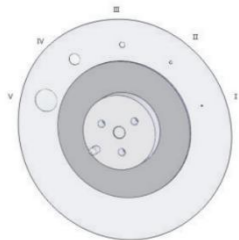
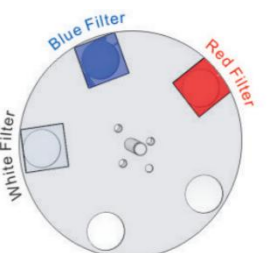
Goldman V blue projection aperture with 440nm wavelength realize by optical coating technology. Standard yellow background luminance realize by Shou OG530 filter.

• Auto Eye Monitoring

Adopt focusing infrared light to auto monitor eye position, while patient eye minor movement, software will give commands to make the head & chin rest calibrate eye position automatically, it can significantly reduce possibility of the inaccurate test result which was influenced by the uncooperative patient.

• Three-Dimensional Fixation Monitor

Projecting infrared light into pupil of detected eye in X-Y-Z direction, to get the accurate Gaze Tracking Curve which support judging the credibility of patient report.



| Technical Data | | |
|---|--|------------------------------------|
| Model | SK-850AS | SK-850AE |
| | Standard with Touch Screen System | Expert with Touch Screen System |
| DB valure range | 0-51db | |
| Stimulus size | Goldmann III | Goldmann I、II、III、IV、V |
| Stimulus intensity | 0-1000asb | |
| Proective plane | Aspherical surface | |
| Test mode | Static and Goldmann knetic test | |
| Stimulus colors | White | White, Red, Blue |
| Stimulus brightness control | Change optical progressive lens to control projection brightness | |
| Max measurement range | 90° | |
| Test distance | 300mm | |
| Pupil measurement | Auto pupil measurement | |
| Background illu. | White 31.5 asb | White 31.5 asb; Yellow 31.5 asb |
| Background illu. color | White | White; yellow |
| Patient react time | System default & Auto-adaption | |
| Fixation monitoring | Heijl/krakau blind spot monitor; Video eye monitor; Head tracking; Gaze tracking | |
| Light brightness initialization calibrating | Measuring projection light brightness and calibrating automatically | |
| Light source | Halogen lamp | |

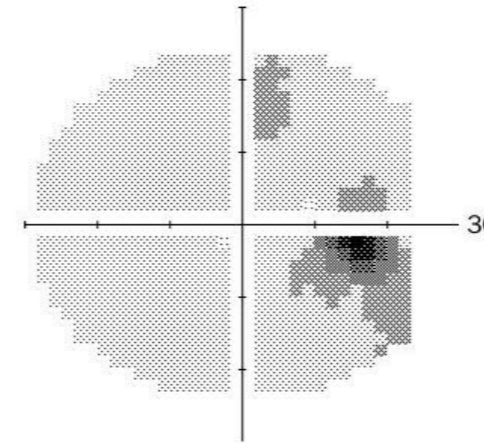


Two In One

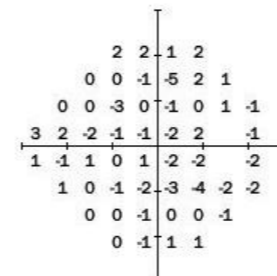
| | |
|----------------|---------------------|
| Name:SunHuan | BirthDay:1990-11-11 |
| ID:20201119001 | |

Program:24-2

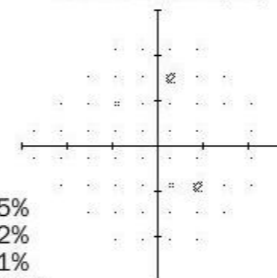
| | | | |
|-------------------------|------------------------|-------------------------|------------------------|
| Fixation Monitor:On | Pupil Diameter(mm):7.1 | Fixation Monitor:On | Pupil Diameter(mm):5.8 |
| Fixation Target:Center | Visual Acuity(D): | Fixation Target:Center | Visual Acuity(D): |
| Fixation Losses:0/10 | Rx: DS(D) | Fixation Losses:1/10 | Rx: DS(D) |
| Stimulus:III,White | DC(D) X(°) | Stimulus:III,White | DC(D) X(°) |
| Background:31.5 Asb | Date:2020-11-19 | Background:31.5 Asb | Date:2020-11-19 |
| Strategy:Auto Threshold | Time:13:16:34 | Strategy:Auto Threshold | Time:11:58:06 |
| | Age:30 | | Age:30 |
| | False Pos Errors:0% | | False Pos Errors:13% |
| Fovea:Off | False Neg Errors:0% | Fovea:Off | False Neg Errors:0% |
| OD | Test_Duration:02:38 | OS | Test_Duration:02:44 |



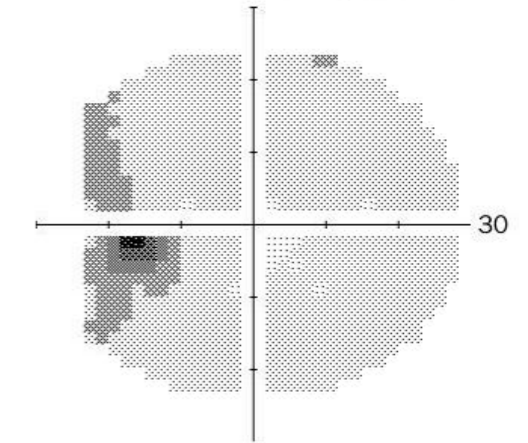
GHT:Within Normal Limits
VFI:96% PSD:1.63
MD:-0.35



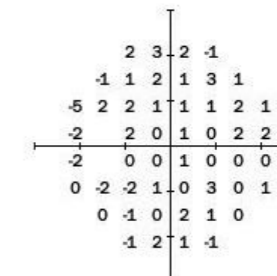
Total Deviation(dB)



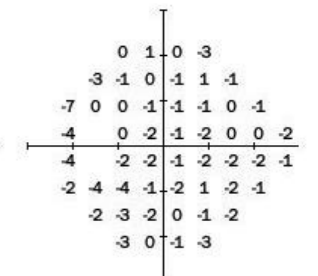
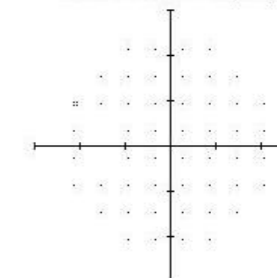
■ <5%
■ <2%
■ <1%
■ <0.5%
Diagnose:



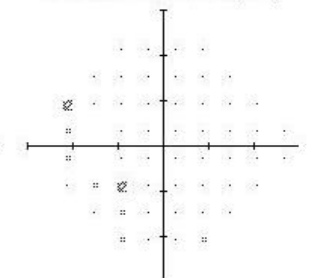
GHT:Within Normal Limits
VFI:98% PSD:1.50
MD:0.52



Total Deviation(dB)



Pattern Deviation(dB)



APS-6000 Auto Perimeter

Feature:

- The APS-6000B/C automatic perimeter is designed and developed on windows system.
- Users can get an intuitive report with examined perimeters results.



APS-6000BER



APS-6000CER

| Technical Data | |
|------------------------------|---|
| Stimulus type | LED |
| Stimulator screen | Hemispherical bowl, radius 30cm integrated |
| Stimulus source | Light Emitting diode |
| Stimulus size | Goldman III |
| Stimulus intensity | ≤10000asb |
| Stimulus duration | Adjustable 0.2 to 2 Second |
| Stimulus color | Yellow; Red |
| Stimulus step | TOTAL 27, STEP 1 |
| Minimum inter-stimulus delay | Adjustable 0.2 to 2 seconds |
| Background illumination | 4 abs |
| Lens holder diameter | 35mm (optional) |
| Stimulus points | 144(0-60D),72 (0-30D), 61(0-10D red), 114 (Blind spot) |
| Chin-rest moving range | Vertical 70mm, horizontal 90m |
| Fixation method | 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 (0-60D), Yellow spot test (central 0-10D), Central 0-30D test, Quadrant test, Peripheral test (60-90D), Blind spot test, Custom Test. |

APS-T90 T00 Projection Perimeter

Feature:

- International Standards: Sphere radius, background light and vision target brightness, size, etc. of the projection perimeter in compliant with Goldmann standard.
- Color Perimetry: a more sensitive detection of early visual field defects.
- Original intelligent testing strategies (IDT): 3 minutes to complete a full inspection threshold.
- Kinetic Perimetry: in addition to the standards Kinetic perimetry program (standard 45, 30, 15), users can also manually set the detection test parameters, and save it as usual kinetic perimetry program.



APS-T90



APS-T00

| | |
|-------------------------------|--|
| Stimulate point appearing way | Optical projection |
| Detection method | Static perimetry |
| Detection range | 0-90 degree |
| Background light | Yellow, white |
| Background brightness | White : 31.5asb Yellow : 315asb |
| Visual Target Color | Red , blue, white |
| Visual Target Brightness | 0.08asb-10000asb |
| Vision Target Interval time | ≥200ms (customizable , no limit) |
| Visual target holding time | ≥200ms (customizable , no limit) |
| Brightness level | 0-51db |
| Visual Target Size | (Goldmann Standard) Grade I , Grade II , GradeIII, Grade IV, Grade V |
| Detection strategy | Full-threshold, fast threshold, custom, two notation, three notation, quantify defects |
| Threshold strategy | Intelligent dynamic, fast intelligent dynamic, age-related, The threshold, a single strength |
| Threshold Test Mode | Center 10-2, Center 24-2, Center 30-2, Center 60-4, Nasal step, macula |
| Screening, special test mode | Center 40, Center 64, Center 76, Center 80, Center Armaly; Peripheral 60, Nasal step, Armaly Full Field, Full Field 81, Full Field 120; Full Field 135, Full Field 246, upper 36, upper 64, Esterman monocular, Esterman binocular |
| Fixation monitoring | Dynamic real-time video monitoring, physiological blind spot monitoring, Eye tracking curve, eye position offset alarm |
| Analysis Software | Reliability analysis, analysis of a single vision, triple report analyzes, Overview vision analysis, glaucoma semi vision analysis |
| Report Figure | Value, grayscale, the overall bias decibel chart, The overall deviation probability map, chart pattern deviation decibels, Pattern deviation probability plot, staring Figure |