

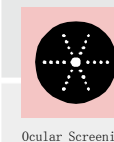
Suoer Ocular Screening SW-800





Suoer Ocular Screening SW-800

Optometry/Screening Easy as snapshot

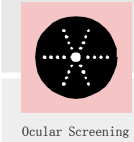


- **Binocular refractive Detection**
- **Pupil diameter measurement**
- **Work distance 1m**
- **Automatic detection**
- **Screening takes 1 Seconds**
- **Handheld devices, light-weight**
- **Replaceable rechargeable battery**
- **Non-invasive measurement**
- **Output test report**



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Optometry/Screening Easy as snapshot



Optometry

- § Binocular Detection
- § DS
- § DC
- § Axis angle
- § Pupil size
- § Interpupillary distance
- § Direction of fixation
- § Record the abnormal reflection of the light

Screening

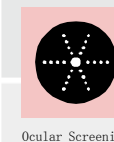
- § Myopia
- § Hyperopia
- § Astigmatism
- § Strabismus
- § Pupil size vary
- § Anisometropia
- § Asymmetric fixation
- § The abnormal reflection of the light





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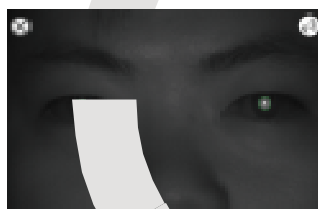


The whole optometry process 3'-5'

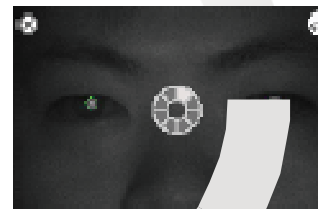
Focus



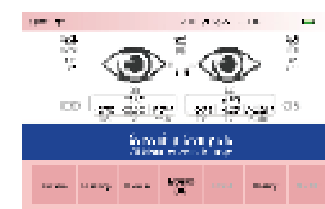
Measurement



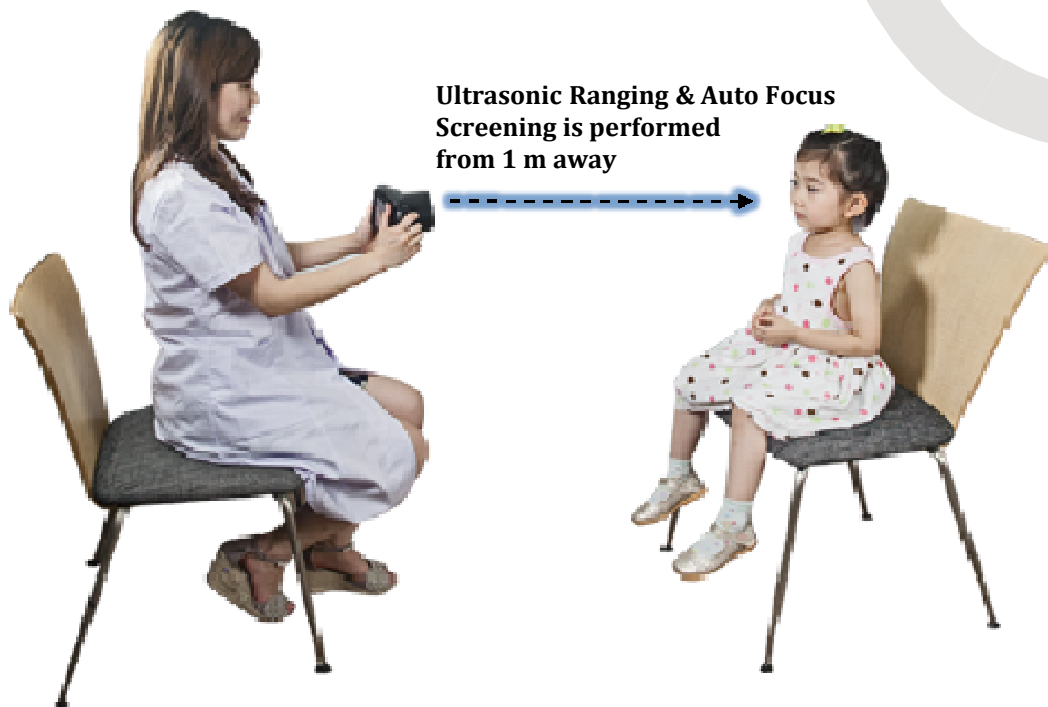
Calculation



Result



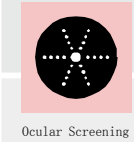
Ultrasonic Ranging & Auto Focus
Screening is performed
from 1 m away





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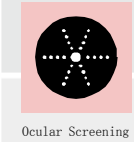


标准 Standard			2015/06/25 14:38:43						
Anisometropia			Fixation (Vertical Direction) Fixation (Temporal Direction)						
年龄(月) AGE(Month)	屈光参差	散光 AST	近视 Myopia	远视 Hyperopia	瞳孔 大小差 Pupil size difference	固视 垂直方向 (Nasal side Direction)	固视 鼻侧方向 (Nasal side Direction)	固视 颞侧方向 (Temporal side Direction)	固视 不对称 Fixation Asymmetry
6-12	1.5	2.25	2	3.5	1	8	5	8	8
12-36	1	2	2	3	1	8	5	8	8
36-72	1	1.75	1.25	2.5	1	8	5	8	8
72-240	1	1.5	1	2.5	1	8	5	8	8
240-1200	1	1.5	0.75	1.5	1	8	5	8	8

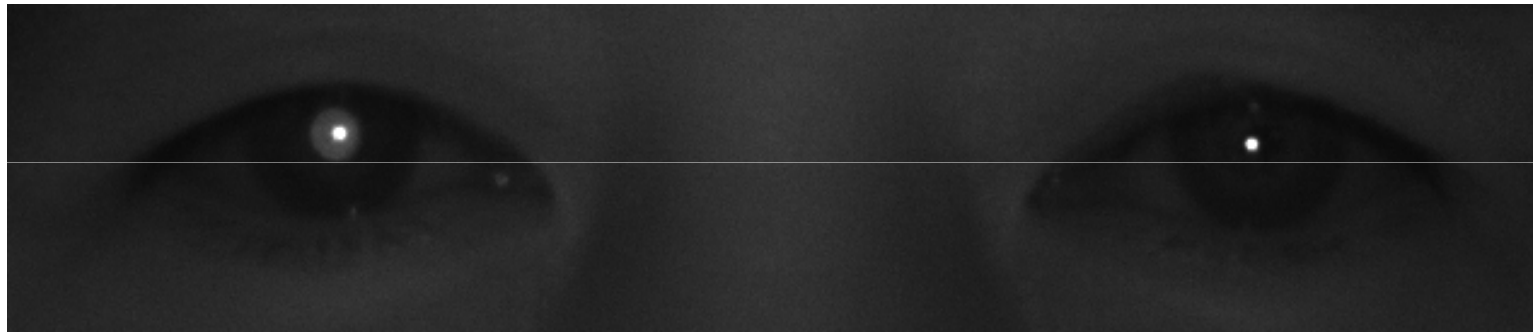


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Optometry/Screening Easy as snapshot



The abnormal reflection of the eye effected by
the infrared light can be screened out



Normal

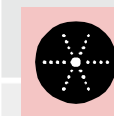
Abnormal

Abnormal situation: The abnormal reflection of the eye effected by the infrared light needs to be checked further, Suspected Cataract, Vitreous opacity, and Retinal tumor, etc.



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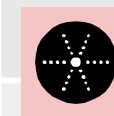
Ocular Screening





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Ocular Screening

Complete Eye Exam Recommended

Vision Screening Summary ID:

姓名: XXX
性别: 女
出生日期: 2001.8.25
测试地点:

vision screen should be conducted regularly as eyes may change over time

5.4 mm OD 5.5 mm OS

5.4 mm OD 5.5 mm OS

OD OS

Complete Eye Exam Recommended
Myopia(OD)

	OD	OS
近视:	✗	✗
远视:	✓	✓
散光:	✓	✓
斜视:	✓	✓
瞳孔大小不等:	✓	✓
屈光参差:	✓	✓
圆锥不对称:	✓	✓

注: 视力筛查结果不能代替专业眼科医生的全面检查

2015.07.03

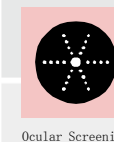


WIFI transmission
print report



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Technical data

Operation mode: Bino/Mono

Optometry: Automatic

DS: Range: -7.50D~+7.50D

Resolution: 0.25D/0.01D

Accuracy: $\pm 0.50D$

DC: Range: 0.00D~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 mm~9.0 mm

Resolution: 0.1mm Accuracy: ± 0.1 mm

Pupil distance: Range: 35 mm~80 mm

Resolution: 1mm Accuracy: ± 1 mm

Gaze: $0^{\circ} \sim 20^{\circ}$

Measuring distance: 1 m \pm 5 cm

Time per measurement: ~1s

Fixation target: Light flash, attractive sound

Data interface: Wi-Fi, USB

Printer interface: USB

Battery: Rechargeable lithium batteries, 6 hours of duration, Replaceable

Size: 180mm \times 130 mm \times 110mm

Display: 5 inch touch screen

Weight: 0.8Kg

Optional accessories: Camera tripods, printer, etc



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