SHTOPVIEW

Ocular Screening
SW-800

Ocular Screening SW-800

Optometry/Screening Easy as snapshot

Ocular Screening

- 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

§BinocularDetection
§ 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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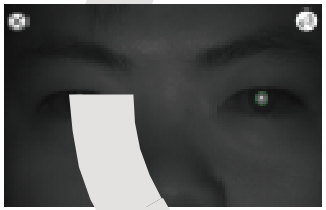
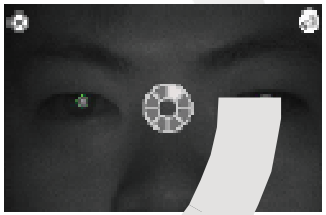
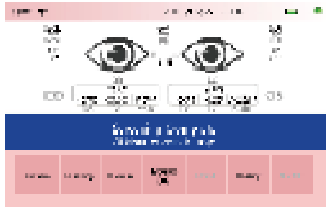
The whole optometry process 3’-5’

Focus **Measurement** **Calculation** **Result**







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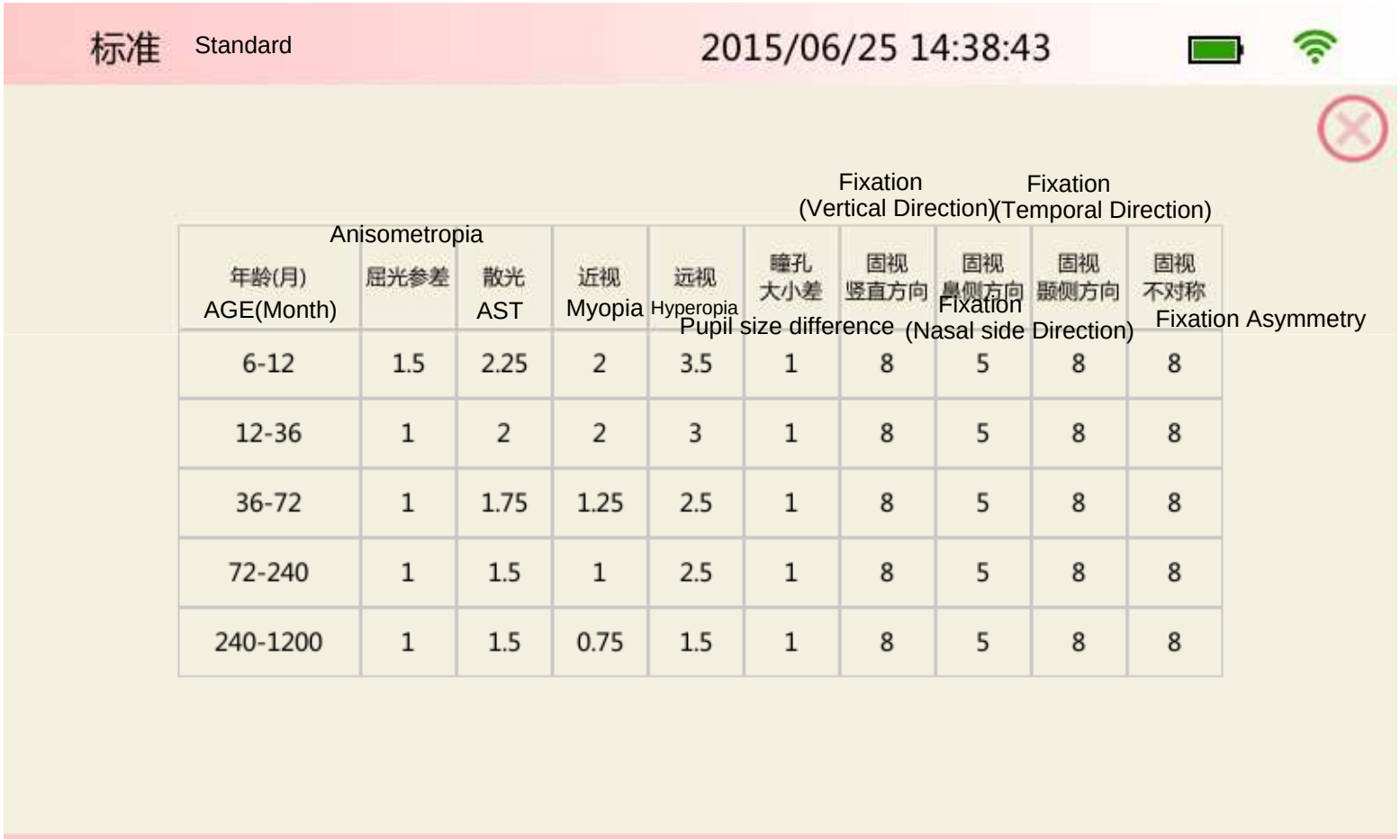

年龄(月) AGE(Month)	Anisometropia 屈光参差	散光 AST	近视 Myopia	远视 Hyperopia	瞳孔 大小差 Pupil size difference	Fixation (Vertical Direction) 固视 竖直方向	Fixation (Nasal side Direction) 固视 鼻侧方向	Fixation (Temporal Direction) 固视 颞侧方向	Fixation Asymmetry 固视 不对称
6-12	1.5	2.25	2	3.5	1	8	5	8	8
12-36	1	2	2	3	1	8	5	8	8
36-72	1	1.75	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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The abnormal reflection of the eye effecting by the infrared light can be screened out

Normal Abnormal

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

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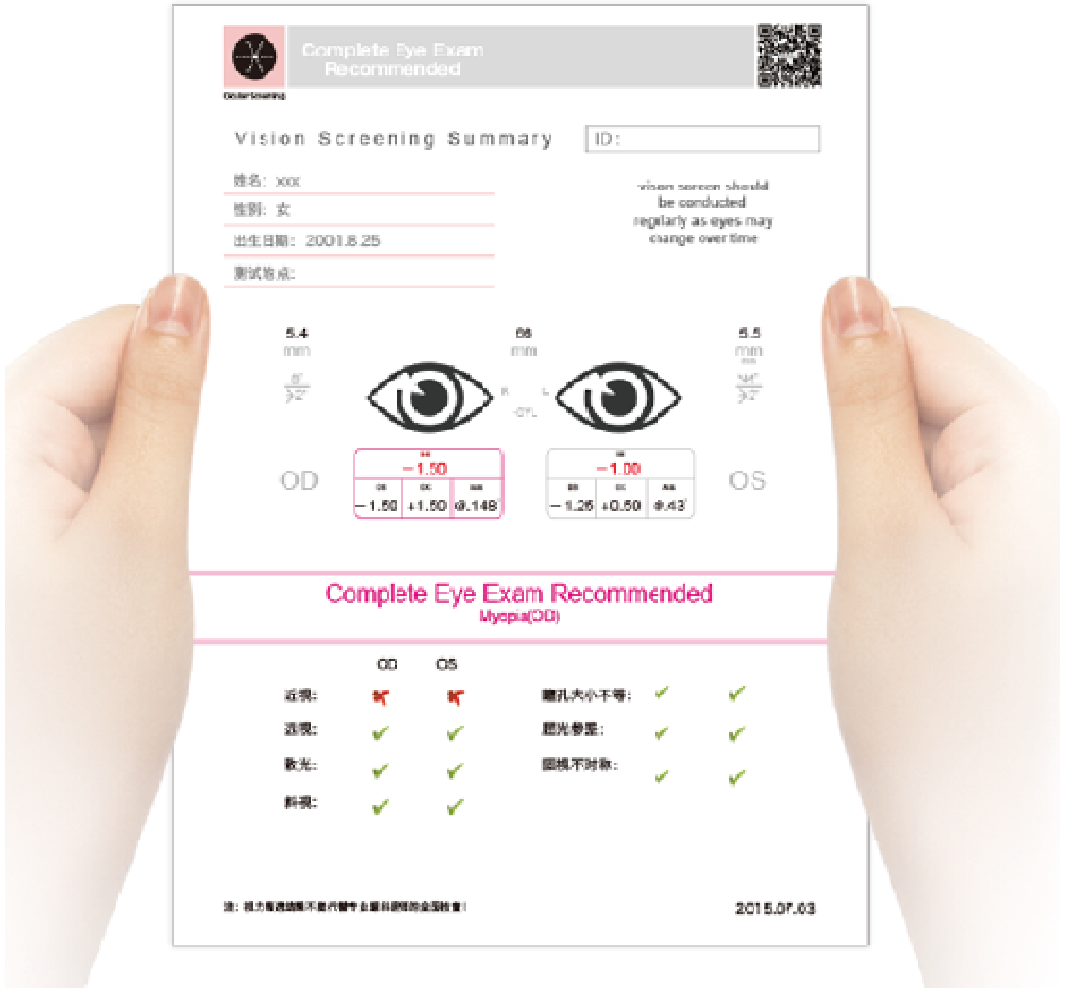

WIFI transmission print report

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Technical data

Operation mode: Bino/Mono
Optometry: Automatic
DS: Range: -7.50D~+7.50D
Resolution: 0.25D/0.01D
Accuracy: ±0.50D
DC: Range: 0.00D~3.00D
Resolution: 0.25D/0.01D
Accuracy: ±0.50D
Axis: Range: 1° ~180°
Resolution: 1°
Accuracy: ±5°
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° ~ 20°
Measuring distance: 1 m ± 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×130 mm×110mm
Display: 5 inch touch screen
Weight: 0.8Kg
Optional accessories: Camera tripods, printer, etc