



Vision Screener

Model V100

Protecting Vision by Detecting Abnormality

V100 is a portable diagnostic device to quickly detect vision abnormalities on patients aged from 6 months to adults. 😊

Quick Detection

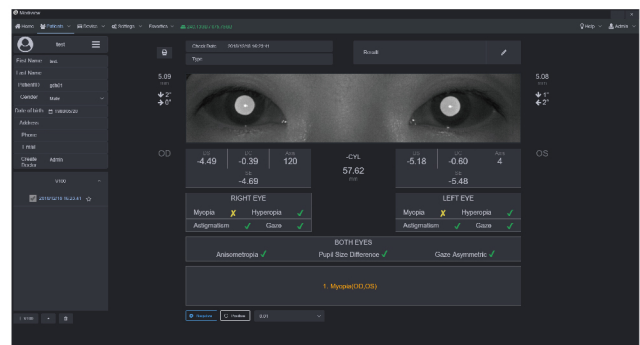
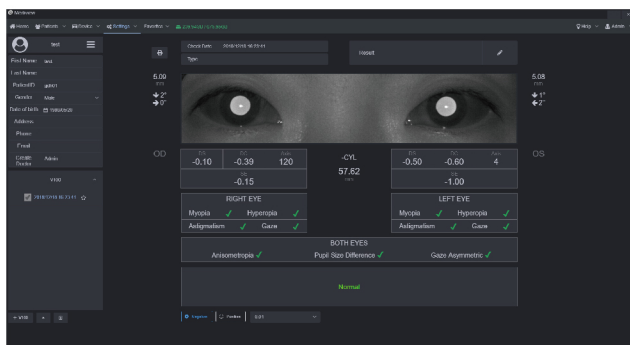


- Myopia (nearsightedness)
- Anisometropia (unequal refractive power)
- Hyperopia (farsightedness)
- Strabismus (eye misalignment)
- Astigmatism (blurred vision)
- Anisocoria (unequal pupil size)

Patient Management Software

Mediview is the patient management system to help clinicians manage patient records and images and data collected by devices developed by MediWorks.

The testing result delivered by V100 can be quickly transferred to Mediview via wifi connection.



Print Report Example

Report

Name: gbbh Age: 50 Patient ID: 11112 Diagnostic Type:

4.48 mm 4.44 mm
↑ 1 ↑ 1
→ 0 → 0

OD DS DC Axis -CYL OS
-2.50 -0.25 88 64.73 4.00 -0.50 148
SE -2.75 SE -4.25

RIGHT EYE LEFT EYE
Myopia ✓ Hyperopia ✓ Myopia ✓ Hyperopia ✓
Astigmatism ✓ Gaze ✓ Astigmatism ✓ Gaze ✓

BOTH EYES
Anisometropia ✓ Pupil Size Difference ✓ Gaze Asymmetric ✓

| Diagnostic result comparison table | | | | | |
|------------------------------------|---|-----|------|-----|------|
| Name | Age (months) range and comparison (n=22 [12-56] Sex=21 [7-240]) | | | | |
| Anisometropia | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 |
| Astigmatism | 2.25 | 2.0 | 1.75 | 1.5 | 1.5 |
| Myopia | 2 | 2 | 1.25 | 1 | 0.75 |
| Hyperopia | 3.5 | 3.0 | 2.5 | 2.5 | 1.5 |
| Pupil Radius Difference | 1 | 1 | 1 | 1 | 1 |
| Fixation(alt) | 8 | 8 | 8 | 8 | 8 |
| Fixation(amb) | 5 | 5 | 5 | 5 | 5 |
| Fixation(temp) | 8 | 8 | 8 | 8 | 8 |
| Fixation(asymmetric) | 8 | 8 | 8 | 8 | 8 |

Result:

Monocular Myopia, Hyperopia, Astigmatism, Gaze Binocular Anisometropia, Strabismus, Anisocoria

Wi-Fi data transmission

Print via Bluetooth Printer



V100 can screen both eyes at once from 1 meter away.
Once the pupils are in focus, V100 will start to calculate automatically and deliver results within 1 second.

Specification

| | | | |
|----------------------------|--|-----|--|
| Measuring Mode | Binocular/Monocular | | |
| Measuring Time | 1s | | |
| Automated Distance Sensing | 100cm±5cm | | |
| SPH | Range: -9D~+7D Resolution: 0.25D/0.01D Accuracy: ±0.5D | CYL | Range: 0D~3D Resolution: 0.25D/0.01D Accuracy: ±0.5D |
| Axis | Range: 0~180° Resolution: 1° Accuracy: ±5° | | |
| Pupil Size | Range: 4.0~9.0mm Accuracy: ±0.1mm | | |
| Pupil Distance | Range: 30~80mm Accuracy: ±1mm | | |
| Fixation Target | Sound and flashing light | | |
| Working Time | 5 hours | | |
| Data Transfer | WIFI | | |
| Screen | 4.3" full LCD touch screen | | |
| Charging Port | USB | | |
| Power Supply | 18650 Li-lion battery×2 , Voltage: 3.7V , Current≥ 3400mAh | | |
| Targeted Patient | from 6-months infant to adults | | |
| Weight | 800g | | |
| Power Adaptor | Power Supply: ~100-240V, 50/60Hz, 35VA Output: 5V, 2A | | |

Features



Wireless data transfer
by wifi



Interesting sounds
to attract children



Super user-friendly with
minimal user training required



Capable of dealing with
mass screening events



Quickly deliver testing
results in 1 second



Automated screening provides
thorough, objective, and easy-to-
understand results



Flip screen facilitate convenient
vision measuring

Want a Vision Screener ? Please contact us.

Find a vision screener that satisfies your must-haves.

Model : V100



Shanghai MediWorks Precision Instruments Co.,Ltd.

Add:Hall 7, Ming Pu Plaza, No. 3279, San Lu Rd, Min Hang District,
Shanghai, 201100,China

Tel: +86-21-54260421 54260423 Fax:+86-21-54260425

Email: Marketing@mediworks.biz
International@mediworks.biz

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www.mediworks.biz