

Cell

Mobile Examination/Clinics/Telemedicine



Vision Screener **V100**

Protecting vision by detecting abnormality

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 **Grafton Optical**



The Cell vision screener V100 is a portable diagnostic device designed for clinicians to quickly detect vision abnormalities on patients from 6-month old to adults. Cell can screen both eyes at once from a distance of 1 meter. Once the pupils are in focus, the device will start to calculate automatically and deliver results within 1 second. The touch screen allows users to operate conveniently like using a smart phone.

Features:



Flip screen facilitate convenient vision measuring



Interesting sounds to attract children



Super user-friendly with minimal user training required



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



Capable of dealing with mass screening events



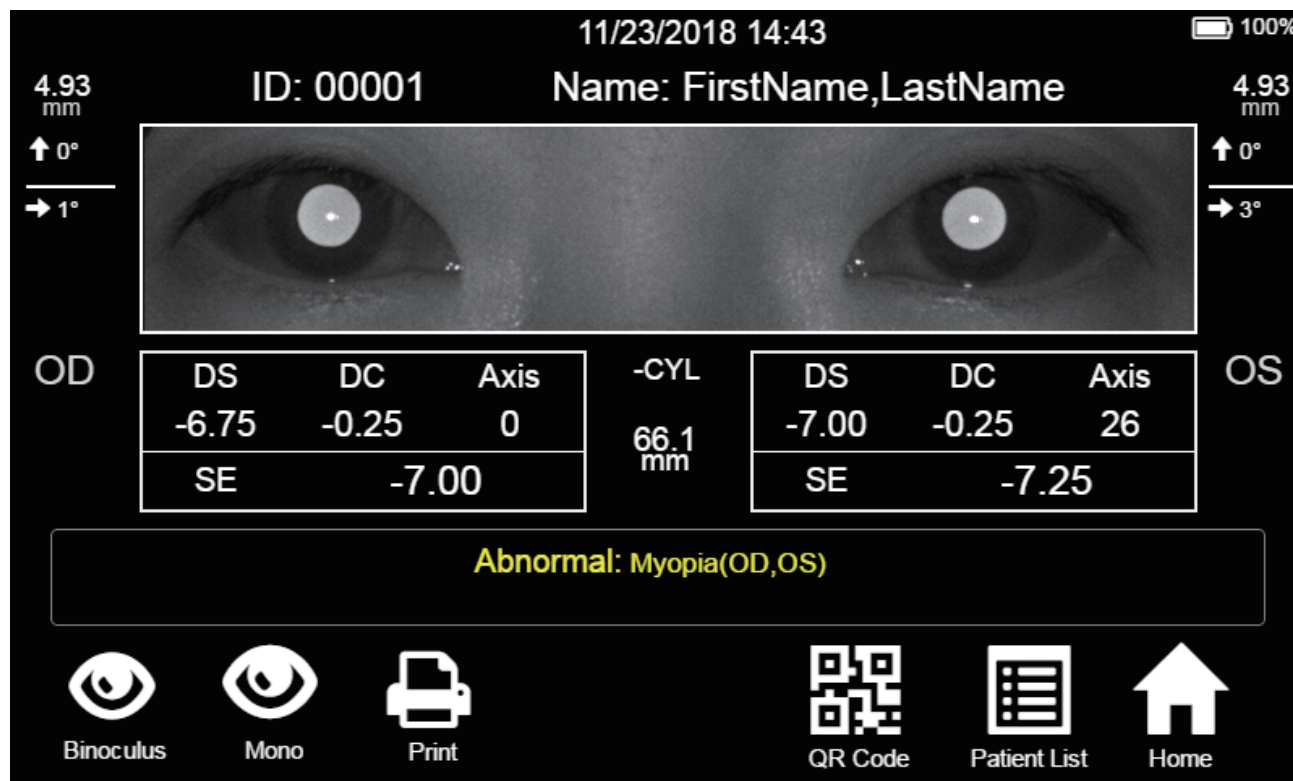
Wireless data transfer by wifi



Quickly deliver testing results in 1 second

Quick detection

Cell quickly detects the potential suspicion of following common problems:

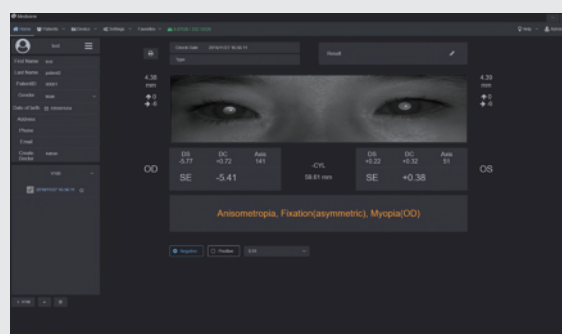
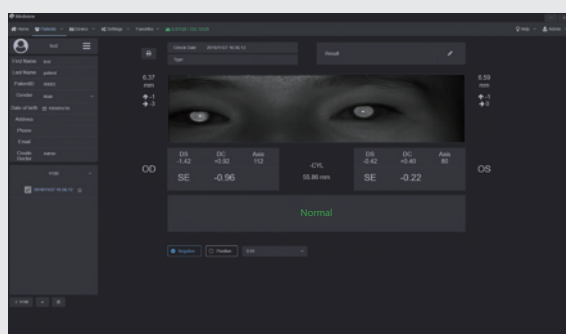


- Myopia (nearsightedness)
- Hyperopia (farsightedness)
- Astigmatism (blurred vision)
- Anisometropia (unequal refractive power)
- Strabismus (eye misalignment)
- Anisocoria (unequal pupil size)

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 Cell can be quickly transferred to Mediview via wifi connection.



Specification

Model No.	V100
Minimum Pupil Size	4mm
Automated Distance Sensing	100 cm \pm 5cm
Measuring Range	SPH -9.00D \sim +7.00D in 0.25D/0.01D increments
	CYL 0.00D \sim +3.00D in 0.25D/0.01D increments
Axis	1 \sim 180°
Pupil Size	4 \sim 9mm, Accuracy 0.1mm
Pupil Distance	30 \sim 80mm, Accuracy 0.1mm
Gaze Measurement	0-20 Degrees
Measuring Time	1 second
Data Transfer	Wifi
Screen	4.3"LCD touch screen
Power	Li-ion battery X2, 3.7V/3400mAh
Charging Port	Micro USB
Power Adaptor	100~240VAC, 50/60HZ
Working Time	5 hours
Charging Time	5 hours
Infrared Illumination Spectrum	800nm \sim 880nm
Fixation Target	Audible sound and flashing lights
Targeted Patient	from 6-month infant to adults
Weight	800g