



# V100 Vision Screener

Protecting Vision by Detecting Abnormality

## Quick Detection

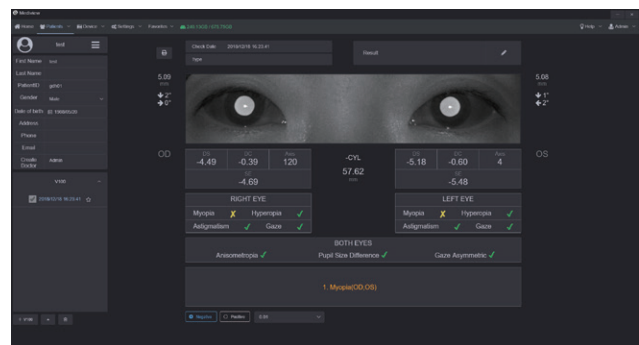
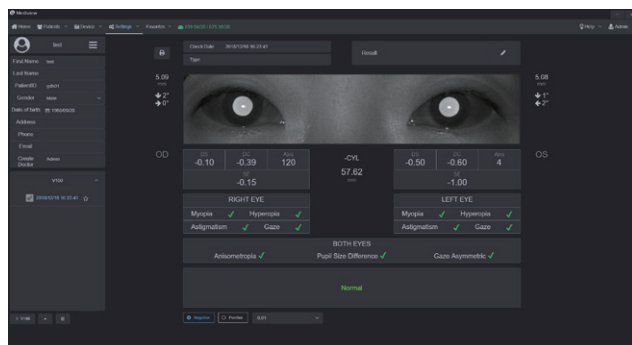


- Myopia (nearsightedness)
- Anisometropia (unequal refractive power)
- Hyperopia (farsightedness)
- Strabismus (eye misalignment)
- Astigmatism (blurred vision)
- Anisocoria (unequal pupil size)


# 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

↑ 1

↗ 0



4.44  
mm

↑ 1

↗ 0

OD

DS	DC	Axis
-2.50	-0.25	88
SE		
-2.75		
64.73 mm		

-CYL-

DS	DC	Axis
-4.00	-0.50	148
SE		
-4.25		

OS

RIGHT EYE

Myopia	Hyperopia
Astigmatism	Gaze

LEFT EYE

Myopia	Hyperopia
Astigmatism	Gaze

BOTH EYES

Anisometropia	Pupil Size Difference	Gaze Asymmetric

Diagnostic result comparison table

Name	Age (month) range and comparison					
Age	6-12	12-36	36-72	72-240	240	
Anisometropia	1.5	1.0	1.0	1.0	1.0	
Asymmetrism	2.25	2.0	1.75	1.5	1.25	
Myopia	-2	-2	-1.25	1	0.75	
Hyperopia	0.5	3.0	2.5	2.5	1.5	
Pupil Radius Difference	1	1	1	1	1	
Fixation(vert)	8	8	8	8	8	
Fixation(usual)	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



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.

## Specifications

Measuring Mode	Binocular/Monocular		
Measuring Time	1 s		
Automated Distance Sensing	100 cm $\pm$ 5 cm		
SPH	Range:- 9 D ~ + 7 D	CYL	Range:0 D ~ 3 D
	Resolution:0.25 D / 0.01 D		Resolution:0.25 D / 0.01 D
	Accuracy: $\pm$ 0.5 D		Accuracy: $\pm$ 0.5 D
Axis	Range:0 ~ 180°		
	Resolution:1°		
	Accuracy: $\pm$ 5°		
Pupil Size	Range:4.0 ~ 9.0 mm		
	Accuracy: $\pm$ 0.1 mm		
Pupil Distance	Range:30 ~ 80 mm		
	Accuracy: $\pm$ 1 mm		
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-ion battery $\times$ 2 , Voltage:3.7 V , Current $\geq$ 3400 mAh		
Targeted Patient	from 6-months infant to adults		
Weight	800 g		
Power Adaptor	Power Supply:~ 100 ~ 240 V, 50 / 60 Hz, 35 VA Output:5 V, 2 A		

## 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



Shanghai MediWorks Precision Instruments Co.,Ltd.

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

Tel: +86-21-54260421 54260423

Email: [marketing@mediworks.biz](mailto:marketing@mediworks.biz)  
[international@mediworks.biz](mailto:international@mediworks.biz)

Follow us



[www.mediworks.biz](http://www.mediworks.biz)

202309 \*Subject to change in design or specification without advance notification

**Details Make the Difference**