Vision Screener
SL-100

Campus Rapid Screening Tool

Campus Screening

Infant Screening

Physical Screening



SL-100
Vision Screener

One-Click Quick Screening
Cloud Data Analysis

11 Parameters for Comprehensive Analysis

Eye Refraction Judgment

Eye Position Judgment



Outdoor Vision Screener



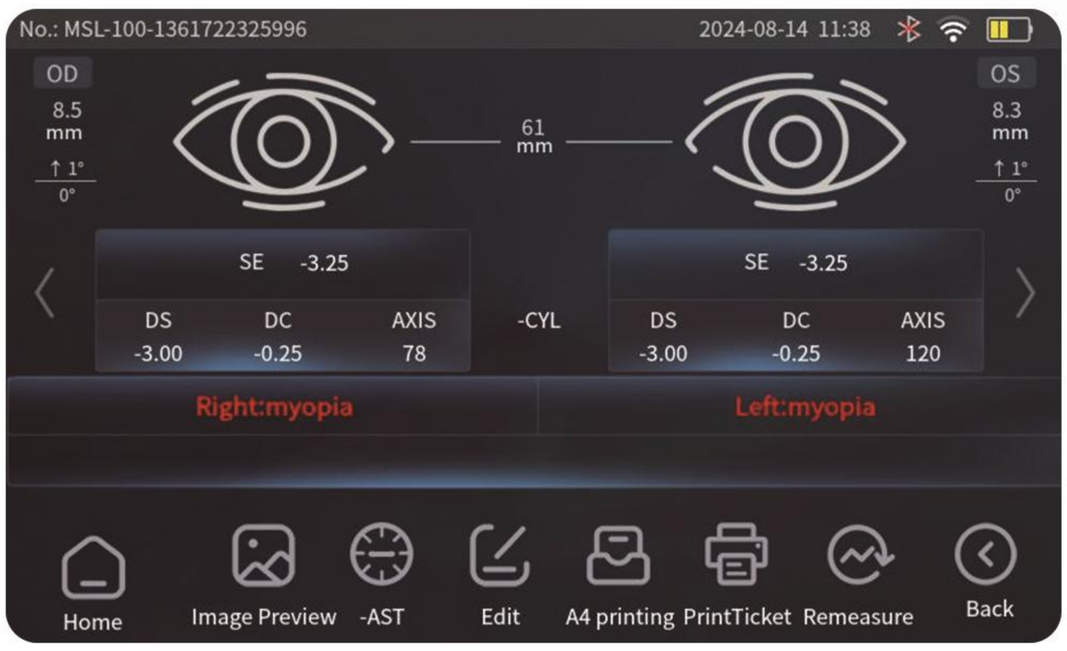
SL-100

Eye Refractive Judgment	Myopia	Hyperopia	Astigmatism	Asix	Anisometropia	
Eye Position Judgment	Pupillary Distanc	Pupil Size	Ptosis	Strabismus	Anisocoria	Gaze Asymmetry

SL-100
Vision Screener

Professional

·Exclusive detection of ptosis and eye position.
·Quantitative presentation of multiple data.
·The algorithm is more accurate and professional.
·Wide measurement range, high-degree mode.





Fast

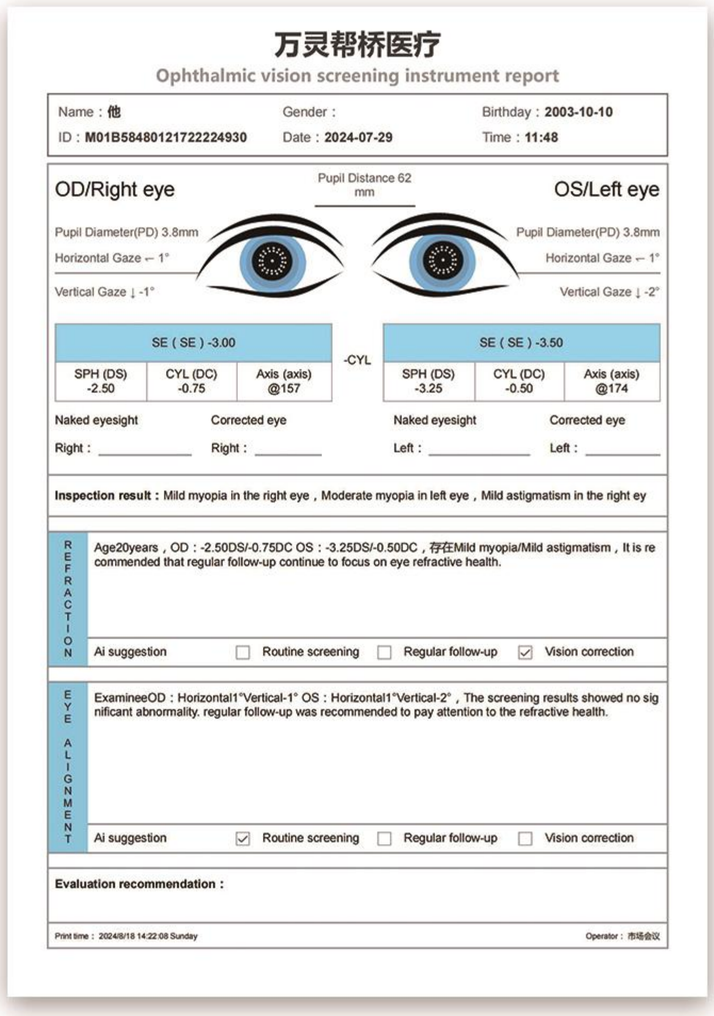
Rapid Test

·Two high-endurance batteries for multi-scenario applications.
·Rapid completion of binocular testing,screen 3,000 People/Day.
·USB/scan code import, one-click test, automatic upload.

Intelligence

AI Judgment

·Two intelligent judgments: Eye Refraction, Eye Adjustment.
·Three suggestions: Routine Screening, Regular Follow-up, Refractive Correction.



万灵帮桥医疗

Ophthalmic vision screening instrument report

Name：他 Gender： Birthday：2003-10-10
ID：M01B58480121722224930 Date：2024-07-29 Time：11:48

OD/Right eye — Pupil Distance 62 mm — OS/Left eye

Pupil Diameter(PD) 3.8mm
Horizontal Gaze ← 1°
Vertical Gaze ↓ -1°

Pupil Diameter(PD) 3.8mm
Horizontal Gaze ← 1°
Vertical Gaze ↓ -2°

SE (SE) -3.00			-CYL	SE (SE) -3.50		
SPH (DS) -2.50	CYL (DC) -0.75	Axis (axis) @157		SPH (DS) -3.25	CYL (DC) -0.50	Axis (axis) @174

Naked eyesight Right： Corrected eye Right：
Naked eyesight Left： Corrected eye Left：

Inspection result： Mild myopia in the right eye，Moderate myopia in left eye，Mild astigmatism in the right ey

REFRACTION: Age20years，OD：-2.50DS/-0.75DC OS：-3.25DS/-0.50DC，存在Mild myopia/Mild astigmatism，It is recommended that regular follow-up continue to focus on eye refractive health.
Ai suggestion ☐ Routine screening ☐ Regular follow-up ☑ Vision correction

EYE ALIGNMENT: ExamineeOD：Horizontal1°Vertical-1° OS：Horizontal1°Vertical-2°，The screening results showed no significant abnormality. regular follow-up was recommended to pay attention to the refractive health.
Ai suggestion ☑ Routine screening ☐ Regular follow-up ☐ Vision correction

Evaluation recommendation：

Print time：2024/8/18 14:22:08 Sunday Operator：市场会议

SL-100
Vision Screener

School/Institution
Systematize the screening process

Data Collection

Automatically
generate QR code



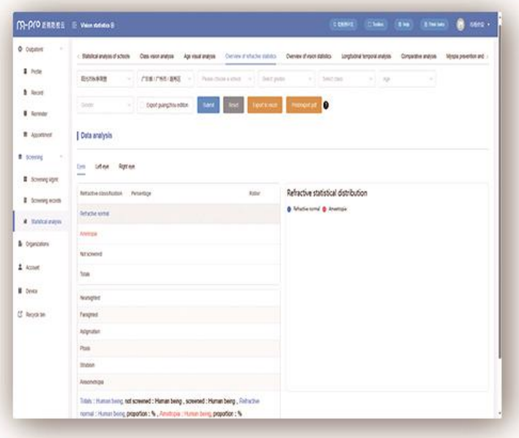
Scan the code Enter information



Data Monitoring And Management

Data sync to the cloud

Data archiving
Analysis&Comparison
Implementation Plan



Myopia Prevention

School:Guaranteed Light
Outdoor Activities

Family:
Pay attention to children's eye health
Reduce the use of electronic devices



M-Pro

A trustworthy visual analysis management system

Intelligent and perfectly competent comprehensive applications such as myopia prevention and control, visual archive management, detection data analysis management, and user management help you better carry out visual diagnosis services

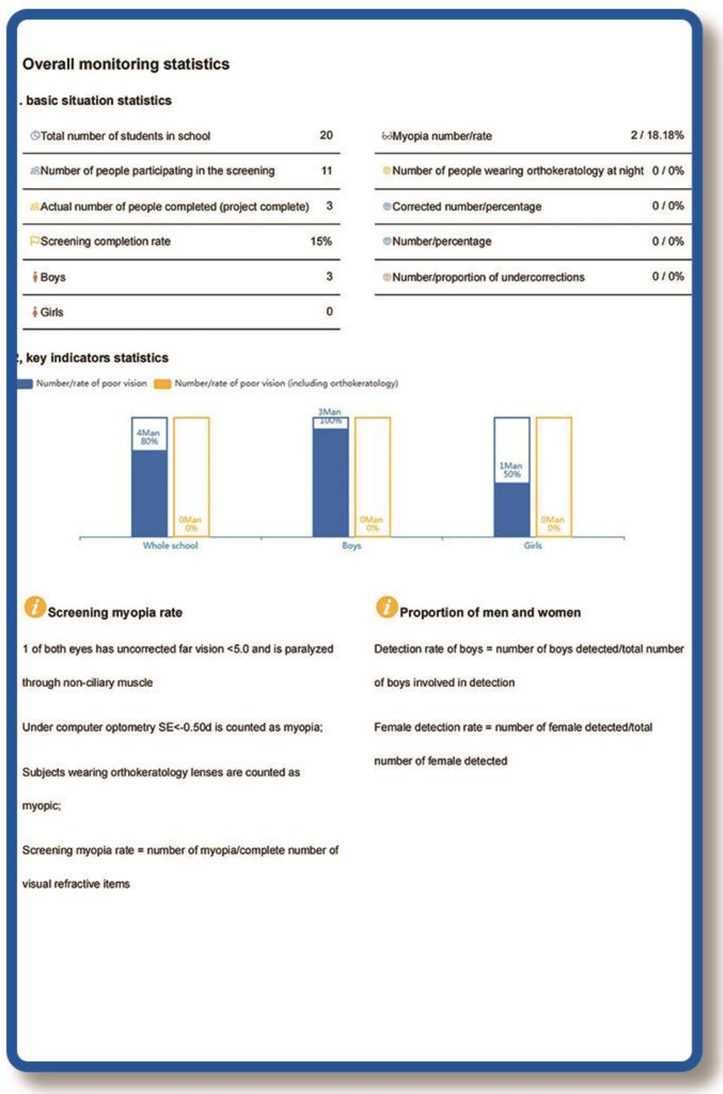


1 File Creation

2 AI Analysis

3 Data Storage

4 Knowledge Base



Overall monitoring statistics

. basic situation statistics

Total number of students in school	20	Myopia number/rate	2 / 18.18%
Number of people participating in the screening	11	Number of people wearing orthokeratology at night	0 / 0%
Actual number of people completed (project complete)	3	Corrected number/percentage	0 / 0%
Screening completion rate	15%	Number/percentage	0 / 0%
Boys	3	Number/proportion of undercorrections	0 / 0%
Girls	0		

, key indicators statistics

Screening myopia rate

1 of both eyes has uncorrected far vision <5.0 and is paralyzed through non-ciliary muscle

Under computer optometry SE<-0.50d is counted as myopia;

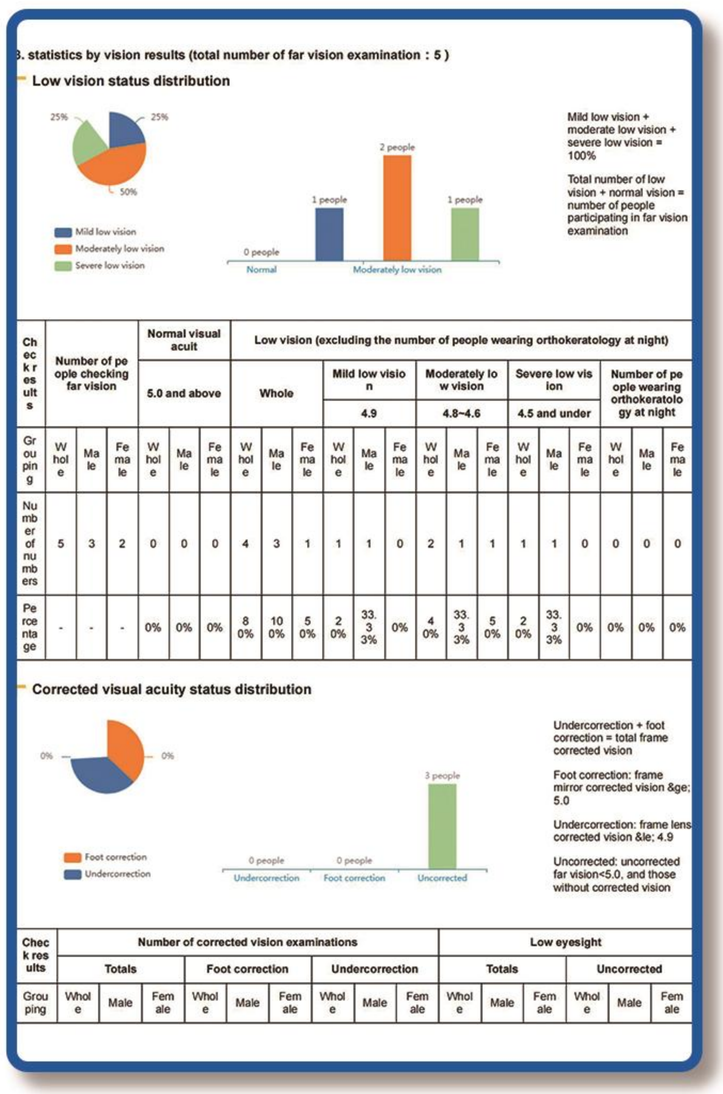
Subjects wearing orthokeratology lenses are counted as myopic;

Screening myopia rate = number of myopia/complete number of visual refractive items

Proportion of men and women

Detection rate of boys = number of boys detected/total number of boys involved in detection

Female detection rate = number of female detected/total number of female detected



3. statistics by vision results (total number of far vision examination : 5)

Low vision status distribution

Mild low vision + moderate low vision + severe low vision = 100%

Total number of low vision + normal vision = number of people participating in far vision examination

Check results	Number of people checking far vision			Normal visual acuit			Low vision (excluding the number of people wearing orthokeratology at night)														
				5.0 and above			Whole			Mild low visio n			Moderately lo w vision			Severe low vis ion			Number of pe ople wearing orthokeratolo gy at night		
										4.9			4.8~4.6			4.5 and under					
Grouping	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female
Number of numbers	5	3	2	0	0	0	4	3	1	1	1	0	2	1	1	1	1	0	0	0	0
Percentage	-	-	-	0%	0%	0%	80%	100%	50%	20%	33.33%	0%	40%	33.33%	50%	20%	33.33%	0%	0%	0%	0%

Corrected visual acuity status distribution

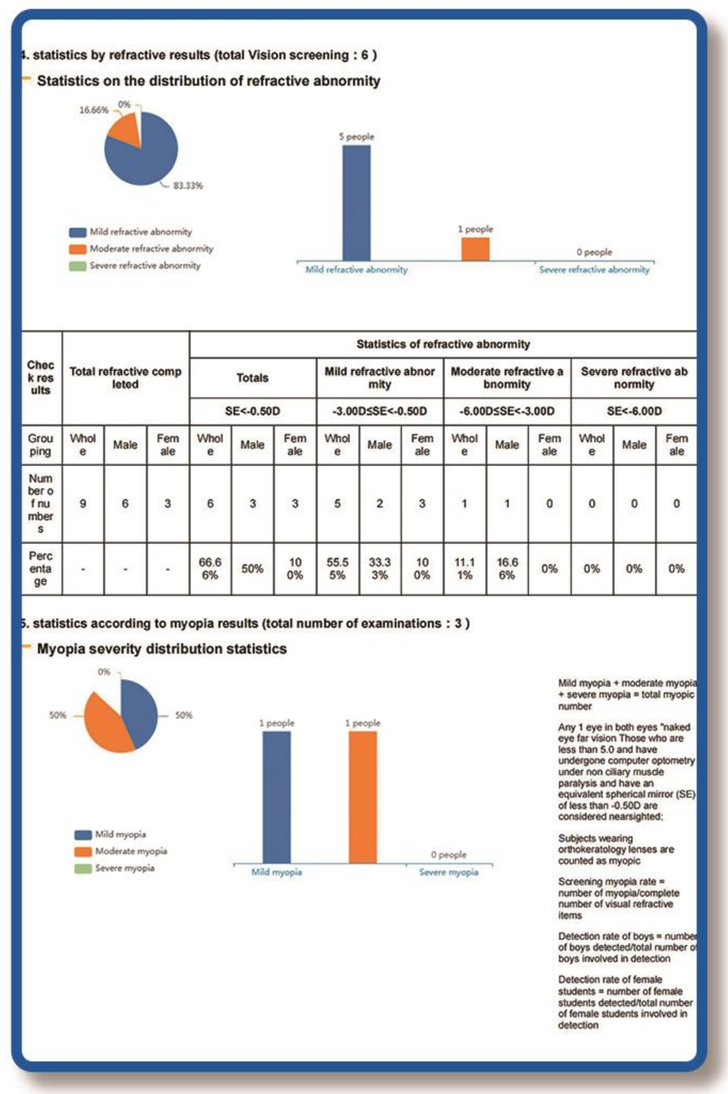
Undercorrection + foot correction = total frame corrected vision

Foot correction: frame mirror corrected vision ≥ 5.0

Undercorrection: frame lens corrected vision ≤ 4.9

Uncorrected: uncorrected far vision<5.0, and those without corrected vision

Check results	Number of corrected vision examinations									Low eyesight					
	Totals			Foot correction			Undercorrection			Totals			Uncorrected		
Grouping	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female



4. statistics by refractive results (total Vision screening : 6)

Statistics on the distribution of refractive abnormity

Check results	Total refractive completed			Statistics of refractive abnormity											
				Totals			Mild refractive abnormity			Moderate refractive abnormity			Severe refractive abnormity		
				SE<-0.50D			-3.00D≤SE<-0.50D			-6.00D≤SE<-3.00D			SE<-6.00D		
Grouping	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female	Whole	Male	Female
Number of numbers	9	6	3	6	3	3	5	2	3	1	1	0	0	0	0
Percentage	-	-	-	66.66%	50%	100%	55.55%	33.33%	100%	11.11%	16.66%	0%	0%	0%	0%

5. statistics according to myopia results (total number of examinations : 3)

Myopia severity distribution statistics

Mild myopia + moderate myopia + severe myopia = total myopic number

Any 1 eye in both eyes "naked eye far vision Those who are less than 5.0 and have undergone computer optometry under non ciliary muscle paralysis and have an equivalent spherical mirror (SE) of less than -0.50D are considered nearsighted;

Subjects wearing orthokeratology lenses are counted as myopic

Screening myopia rate = number of myopia/complete number of visual refractive items

Detection rate of boys = number of boys detected/total number of boys involved in detection

Detection rate of female students = number of female students detected/total number of female students involved in detection

Technical Specifications

Sphere	Range -10.5D~+7.5D, Precision -2.5D~+2.5D(±0.5D); <-2.5D and >+2.5D(±20%)
Cylinder	Range ±3D, Precision ±0.5D
Axis	Range 1°~180°, Precision ±10°(0.25D-0.5D), ±5°(0.5D-3D)
Pupil Diameter	4mm~9mm
Pupillary Distance	35mm~80mm
Working Distance	1m±5cm
Measurement Time	<1s
Fixation Target	Red light, Multi-colored lights flash alternately
Test Sound	Cartoon, Environment etc.
Data Interface	USB, Wi-Fi, Bluetooth
Input Method	Touch Screen manual input, USB/Software batch input etc.
Battery	Lithium Ion, 2 Rechargeable batteries
Display	6.5" color LCD screen
Package/Weight	205*185*115mm/0.9kg
Options/Accessories	Camera stand, Printer, Tablet, Screen Box

*Please refer to the instruction manual for contraindications or precautions