



How Is Your Eye Health and Overall Health?

- NEAR / DISTANCE VISION (3M)
- STRABISMUS / ANISEKONIA
- MACULAR DEGENERATION
- ACCOMMODATION
- EYE EXERCISES
- URINE GLUCOSE
- CATARACTS
- BLOOD PRESSURE
- GRIP STRENGTH
- DEMENTIA (SMCQ)
- ADVERTISING SIGNAGE



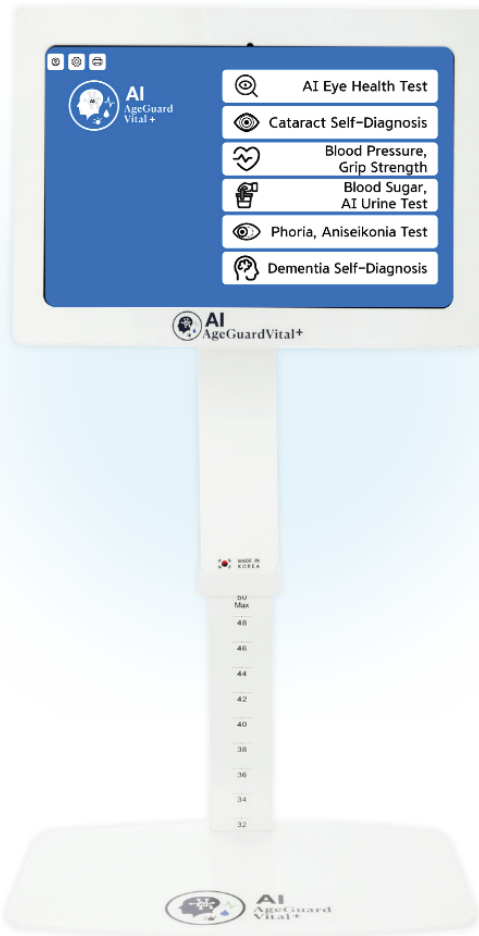
AI Eye Health Screening Kiosk

AI AgeGuard Vital+ Kiosk



What Is AI AgeGuard Vital+?

AI-assisted self-screening for vision, macular degeneration, accommodation, cataracts, strabismus, blood pressure, muscle strength, urine glucose, and cognitive health.



AI
AgeGuard
Vital+

An **AI Healthcare Kiosk** That Measures Multiple Health Indicators at Once Measure **vision, blood pressure, grip strength, urine glucose, cataracts, and cognitive health**, enabling everyone from adolescents to older adults to easily check their health status.



Eye Age Assessment Algorithm



Distance-Based 1 m Optotype Adjustment Algorithm



Eye-Tracking-Based Pupil Tracking Technology



AI Facial Recognition Algorithm



Left/Right Eye Recognition Algorithm



Voice Recognition-Based Vision Testing



AI Eye Health & Vital-Sign Screening

Real-time distance measurement, left/right eye identification, prism and Awaya tests, and eye tracking support vision checks, strabismus and aniseikonia screening, early macular assessment and accommodation evaluation.



Real-Time Cloud Monitoring

All measurements are instantly stored and analyzed in the cloud, **automatically generating reports and trend graphs** and allowing you to **view your results anytime, anywhere**.



User-Friendly Interface

With QR login, facial recognition, large text, and intuitive graphics, it is designed for easy use by everyone, from children to older adults.



AI Natural Language Processing (NLP)

AI automatically analyzes health data, survey responses, and self-assessment results to provide **personalized health insights and tailored management guidance** in a natural-language report.



Vision

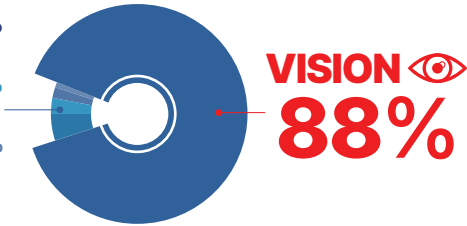
AI-powered precision for healthier eyes

Hearing 5%

Taste 2%

Touch 3%

Smell 1%

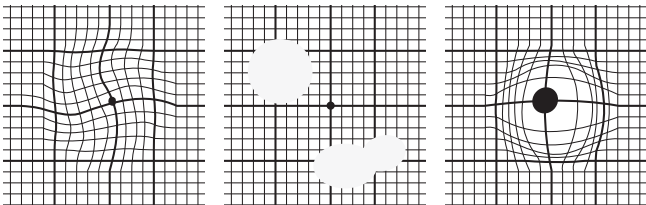


Vision Testing

Vision Is the Sense We Fear Losing Most.

Regular Vision Testing Is Important
for Maintaining Eye Health at Every Age.

Children & Adolescents	Adults	Age 50+
Twice a Year	Once a Year	Twice a Year

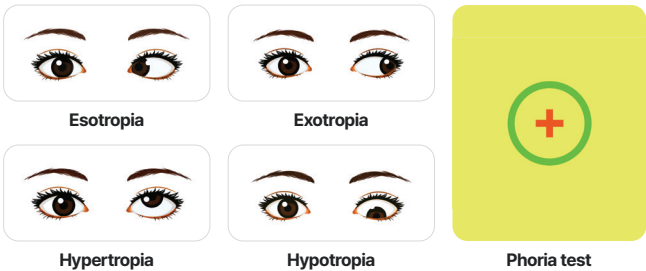


Macular Degeneration Screening

Do straight lines look blurred or bent?

Macular degeneration affects the central retina, which supports sharp, detailed vision.

As a leading cause of vision loss in adults over 50, macular degeneration benefits from early detection and ongoing care.



Strabismus Testing

Strabismus Screening for Children Under 12

ANISEIKONIA

The Awaya test and digital shapes assess differences in perceived image size between the eyes and related visual distortion.

HETEROPHORIA / STRABISMUS

Cover and prism tests help assess **latent strabismus**, in which the eye may turn inward or outward when one eye is covered.



Cataract Self-Assessment

Contrast Sensitivity

The Pelli-Robson chart assesses contrast discrimination and visual function.

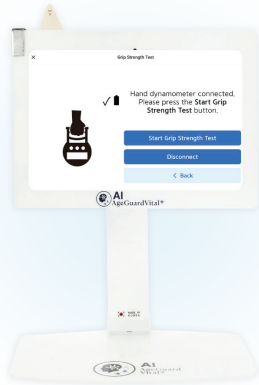
Glare Quantification

Measures and evaluates glare experienced in bright environments.



Vital Signs

Vital+ supports your everyday health.



Grip Strength Assessment

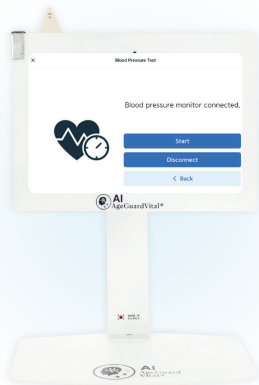
A Key Indicator for Assessing Muscle Strength

Grip strength testing helps identify muscle weakness and supports the assessment of sarcopenia risk.



How can schools use grip tests?

PAPS fitness assessments help monitor students' physical fitness.



Blood Pressure Monitoring

An important cardiovascular health indicator

Regular checks help track blood pressure changes and support long-term health management.



Urine Glucose Screening Collaboration with YelloSiS

Supports Screening for Diabetes-Related Abnormalities

A simple urine glucose test can help screen for diabetes-related abnormalities, while measurement data can be instantly collected and stored for ongoing health management.

*** Urine glucose testing does not replace blood glucose testing.**



When should the urine strip be read?

Read the result within 1-2 minutes after applying the sample.

▶ A Japanese screening program reported fewer cases of end-stage kidney failure due to glomerulonephritis with early detection and referral (Yamagata et al., 2004).



Distinctive Advantages



Medical Software

MFDS Medical Device Manufacturing License

*** Limited to certain conditions**



Patents

8 Medical Software Patents



Hospital Validation

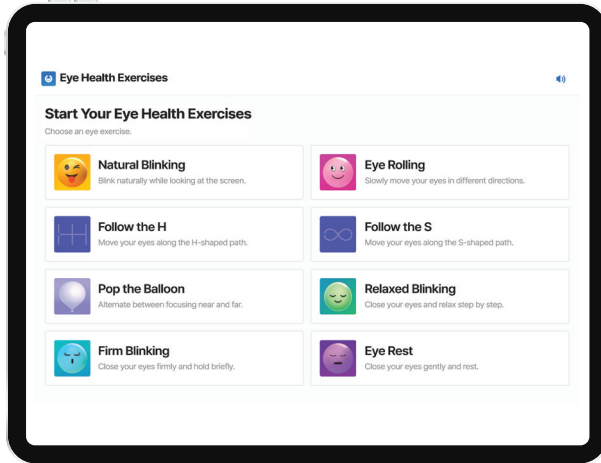
Clinically Validated at
Korea University Ansan Hospital and
Seoul National University Bundang Hospital



Supports 9 Languages

Including Korean, English,
Japanese, Chinese, and More

Eye Exercises



Visual function connects the eyes and brain.

Children and teenagers may experience double vision, lose their place while reading, or struggle to concentrate. Regular eye exercises may help improve concentration and visual function.



Interactive exercises



Eye Recognition & Interactive Exercises



Exercise programs



Collaboration with a Visual Care Center

Q How can the screen be used when no test is running?



On-screen advertising



Printed advertising

Use the screen as digital signage to display content during waiting times.

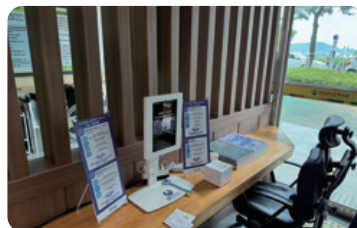
Advertising space on printed test reports can provide an additional revenue opportunity. Marketing QR codes and logos can also be added to the printouts.

Q What other uses are available beyond screening?

Digital learning centers combine kiosk training with health checks, helping older adults build confidence with digital devices while supporting everyday health management.



Insurers & wellness centers



Senior centers / public services



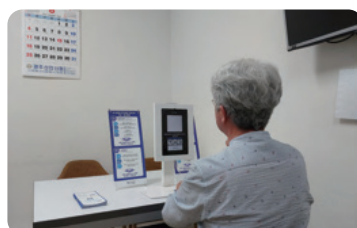
Hospitals & pharmaceutical firms



Insurance companies & banks



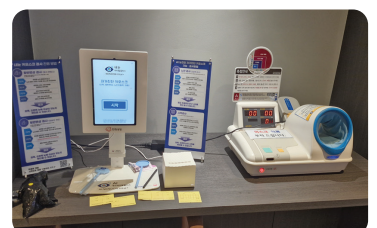
Digital learning centers



Outreach social care



Public health centers & military



Workplace / school health rooms



AI AgeGuard Vital+ Certifications

CERTIFYING BODY	CERTIFICATION / APPROVAL	REFERENCE
ICR	ICR ISO 13485 – Medical Device QMS	MI003426
MFDS	Medical Device Manufacturing License	No. 8237
MFDS	Near-vision acuity test approval	No. 24-265
MFDS	Test for Accommodative Power	No. 24-1530
MFDS	Digital Amsler Grid software	No. 24-770
MFDS	Protein and Lipid Test Strips for Personal Use (Urine Glucose Testing)	IVD Device Certification No. 23-4854
FDA	Digital Amsler grid	Registered No.: 3027728861
Seoul Digital Foundation	Digital usability certification	CDUXQ-24030001
Health Canada	Medical Device Establishment Licence	No. 28763
GMP	GMP Manufacturing & Quality Management	KTL-AABB-22038
Ministry of SMEs and Startups	Innovative product designation	2025-438
Seongnam Industry Promotion Agency	Seongnam innovative product	SFIP-2025-005
Korean Intellectual Property Office	Eye-disease measurement method / device; 8 patents	10-2023-0096601 PCT/KR2024/017929

Better Vision
Brighter Tomorrow



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Explore AI AgeGuard Vital+

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