

# AI AgeGuard Vital+ Certification

Certificate Authority	Certification
ICR	ISO13485 (Medical Device Quality)
MFDS Korea	Medical Device Manufacturing License
MFDS Korea	Near Vision Measurement Approval
MFDS Korea	Accommodation Power Testing
MFDS Korea	Medical Software (Amsler Grid, etc.)
FDA	Facility Registration
Health Canada	Medical Device Establishment License
KTL	Medical Device Safety Certification
Patent	Eye Disease Detection Device
SSIIC	Certified Aging-Friendly Innovation Product

# AI AgeGuard Vital+ Essential Health Check Kiosk

Item	PNK-S6VP	PNK-S10VP
Operating System	Google Android	Google Android
Screen Size	10.4 inches	12.4 inches
User Recognition	Face + QR	Face + QR
Measurement Distance	30cm-3M (10mm units)	45cm-3M (10mm units)
Control Method	Touchscreen	Touchscreen + Remote Control
Vision Charts	Near & Far Vision, Accommodation Power, Macular Degeneration(Amsler, M-Chart) - Total 4 types	Near & Far Vision, Accommodation Power, Macular Degeneration(Amsler, M-Chart) - Total 4 types
Vision Measurement Method	- Real-time distance tracking (accuracy ≥ 92%) - Head pose tracking (accuracy ≥ 90%) - Eye tracking	- Real-time distance tracking (accuracy ≥ 92%) - Head pose tracking (accuracy ≥ 90%) - Eye tracking
Measurement Method	Vision tests (self-administered), integrated biosignal devices	Vision tests (self-administered), integrated biosignal devices
Lung Age	Exhalation method	Exhalation method
Grip Strength	Load cell sensor	Load cell sensor
Blood Pressure	Oscillometric / Sphygmomanometric method	Oscillometric / Sphygmomanometric method
Strabismus	Awaya Test, Von Graefe	Awaya Test, Von Graefe
Dementia	SMCQ (Subjective Memory Complaints Questionnaire)	SMCQ (Subjective Memory Complaints Questionnaire)
Remarks	ISO13485 certified, Class 1 medical device license (self-diagnosis & biosignal-linked wellness device) Supports Korean, English, Japanese, French, Arabic	ISO13485 certified, Class 1 medical device license (self-diagnosis & biosignal-linked wellness device) Supports Korean, English, Japanese, French, Arabic

## Installation case



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# AI AgeGuard Vital+ AI Essential Health Check Kiosk - AgeGuard Vital+

PNK-S6VP (Portable / Stationary)  
PNK-S10VP (Stationary)  
PNK-S10VPA (AI AgeGuard Vital+)

Visual Acuity Testing (45cm, 3M)	Macular Degeneration Detection	Presbyopia	Strabismus /Aniseikonia
Lung Age Measurement	Grip Strength Evaluation	Blood Pressure Monitoring	Dementia Screening (SMCQ)



# About (AI AgeGuard Vital+)

Eye health (macular degeneration, visual acuity, accommodative power)  
 Blood pressure, Grip strength, Lung age, Dementia



NENoon Vital+ is an AI-powered smart diagnostic kiosk certified as a medical device (for visual acuity test). It provides integrated health assessments for eye health, blood pressure, grip strength, lung function, and cognitive status (dementia screening).

The solution is designed to be easily installed in hospitals, public health centers, elderly care facilities, schools, gyms, and more.

All results are instantly uploaded to the cloud and accessible via smartphone or tablet, enabling easy monitoring by users and caregivers. With QR login and face recognition, operation is simple and user-friendly—even for seniors.



## Core Features



### AI-Based Eye and Vital Sign self – monitoring / screening

Real-time automatic distance measurement.  
 Left-right eye separation, Prism & Awaya Test.  
 AI-powered eye tracking for: Visual acuity Strabismus / Aniseikonia diagnosis, Macular degeneration detection, Accommodation power evaluation.



### Cloud Monitoring

All results are instantly uploaded to the cloud

Auto-generated reports and trend graphs.

Accessible an AI-Based Eye and Vital Sign Self-Diagnosis Real-time automatic distance measurement Left-right eye separation

Prism & Awaya Test AI-powered eye tracking for: Visual acuity Strabismus / Aniseikonia diagnosis Macular degeneration detection

Accommodation power evaluation Cloud Monitoring All results are instantly uploaded to the cloud Auto-generated reports and trend graphs Accessible anytime, anywhere



### User-Friendly Interface

QR login & face recognition.  
 Large, clear font and intuitive graphics.  
 Designed for all age groups, including the elderly.



### AI-Powered Natural Language Processing (NLP)

Automatically analyzes health data and questionnaire responses  
 Generates personalized health reports with condition explanations and care guidance

## AI AgeGuard Vital+

(Eye Care, Grip Strength, Blood Pressure Lung Function, dementia screening)



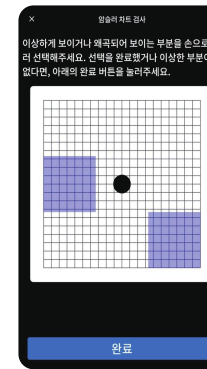
### Importance of Vision Management

Vision is the most feared sense to lose, yet many neglect regular eye exams.  
 Early detection of eye diseases is essential for prevention.

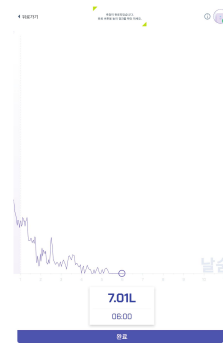
- Near & 3M Vision Test
- Macular Degeneration Test (Digital Amsler Grid, M-Chart)



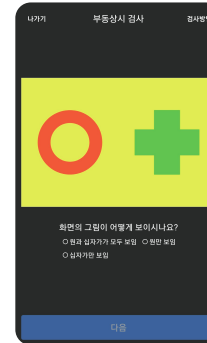
Visual acuity (45cm /3M )



Macular Degeneration



Lung age (outbreathing)



Strabismus / Aniseikonia (awaya test)



### Importance of Grip Strength Management

Grip strength is a key indicator for diagnosing sarcopenia and predicting risks of falls and decreased physical function.

NENoon Vital+ evaluates both muscle mass and function, offering optimal timing for exercise and nutrition intervention.



### Importance of Blood Pressure Management

High blood pressure is a major cause of cardiovascular diseases such as myocardial infarction, stroke, and cerebral hemorrhage. Continuous monitoring is critical for prevention.



### Importance of Lung Function Management

Lung age is a simple indicator of overall respiratory health. NENoon Vital+ measures lung capacity, endurance, and strength to evaluate total respiratory function and offers personalized guidance based on lung age trends.



### Importance of Strabismus/Aniseikonia Management

Strabismus (Latent Squint): Identified through cover and prism tests, where the covered eye shifts inward or outward.

Aniseikonia: Diagnosed via Awaya test and digital shape matching, detecting image size differences between the eyes.