



OneMoreSecurity Inc.

SOLUTION

GUIDEBOOK

We will run towards the goal of becoming a "Global Unicorn Company" that provides customer-centric innovative technologies in the field of "Information Security and Artificial Intelligence"

Contents



OneMoreEYE (OMEYE)

AI Video Surveillance All-in-one Safety Platform



MissingMom

Smart Service to Secure the Safety of Missing Children & Dementia Patients



OneMoreFACE (OMFACE)

Deep Learning-based Face Recognition



OneMorePASS (OMPASS) On-Premise/Cloud

FIDO (Fast IDentity Online) Solution



MyPCProtector 4.0

Vulnerability Management and Scanning Solution for PC



OMS Code

Document Fraud Prevention



OneMoreEYE (OMEYE)

AI Video Surveillance All-in-one Safety Platform

Smart video search

Smart selective surveillance

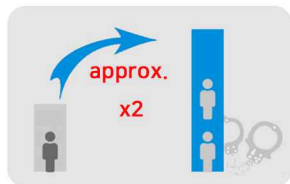
Video export

▶ Awards & Certifications

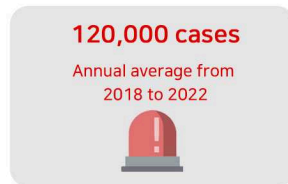


 Excellent Product designated by PPS	 New Excellent Product designated by MOTIE	 Innovative Products designated by PPS	 Good Software (GS) Level 1, TTA Software Quality (ISO/IEC 25023, 25041, 25051)
 KISA K-ICTC Intelligent CCTV Performance	 KISA K-NBTC Face Recognition (ISO/IEC JTC1 SC37)	 KOLAS System and Software Quality (ISO/IEC 29023)	 FIDO Authentication Secured Login
 MOTIE Minister's Awards commercialization of new technologies	 Excellent Information Security Technology designated by MSIT	 MSIT Minister's Awards Information Security Merit	 MSIT Minister's Awards Information Security Product Innovation Contest
 MSIT Minister's Awards Excellent Company			

□ Necessity of Introducing



of increase in crimes against police



of reported missing persons every year in Korea

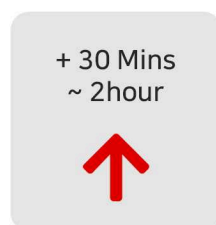
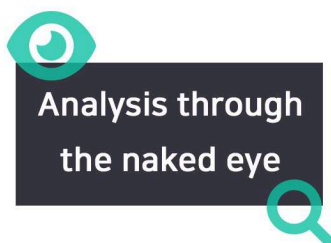


of increase in CCTVs against standards

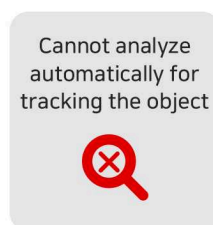


of death in industrial accidents every year in Korea

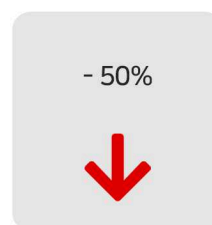
□ Problems of Existing Solutions



1 hour-long video



Multiple CCTV footages

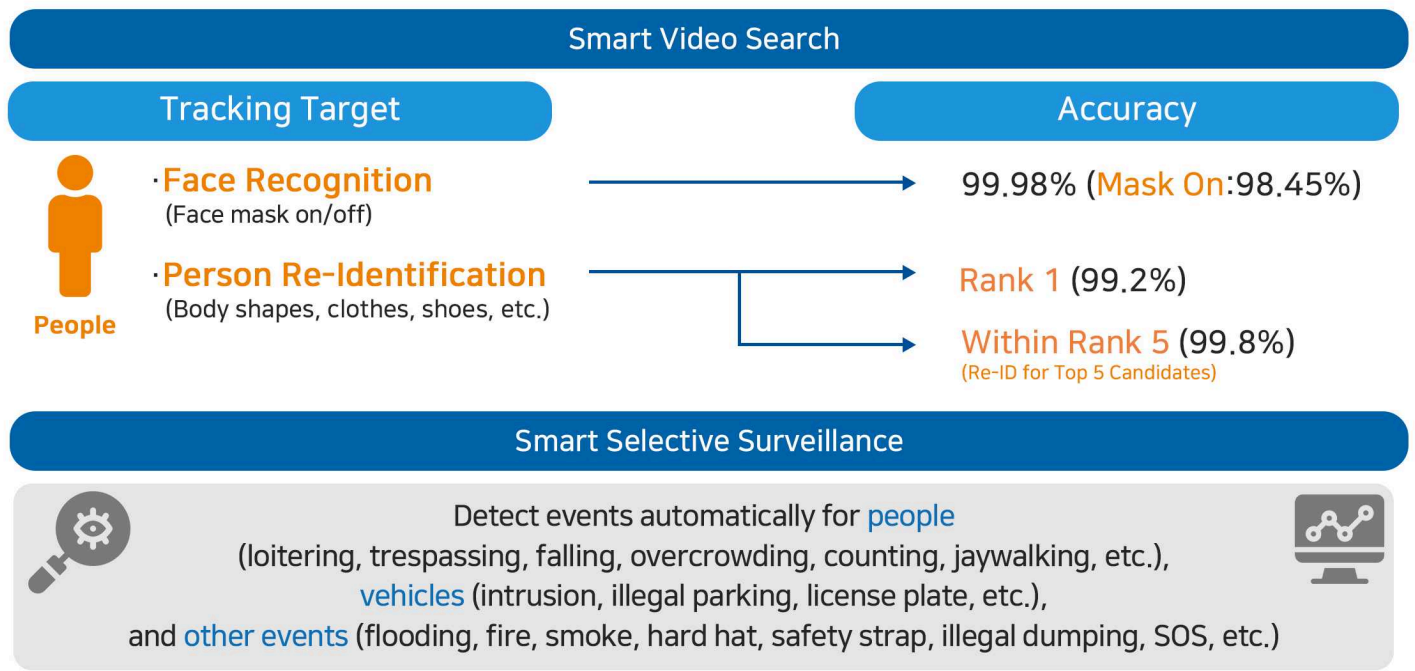


Accuracy



Event-based surveillance

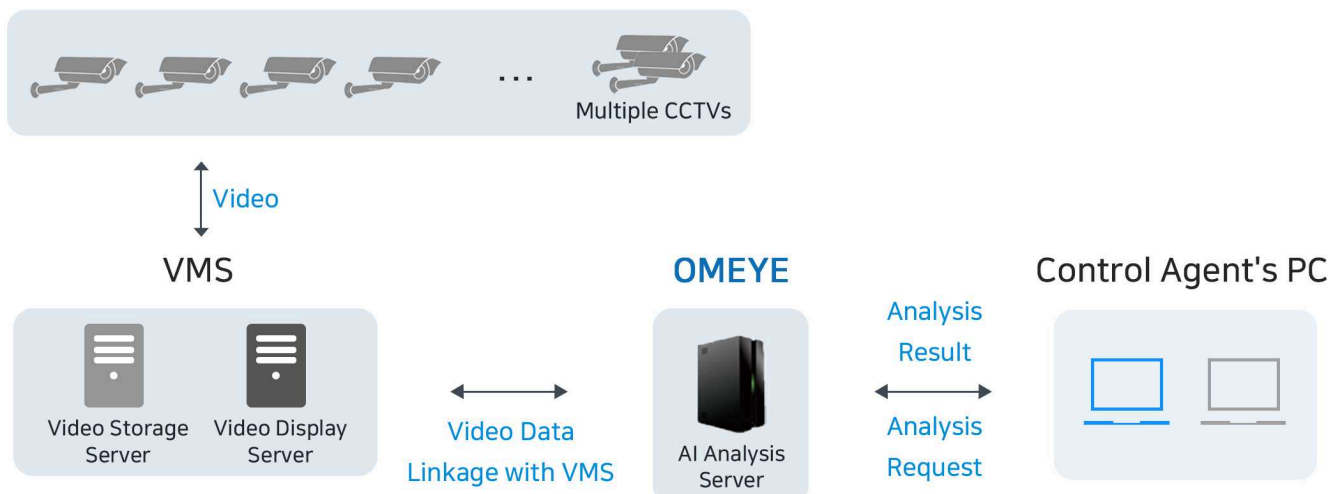
□ Technical Approach



□ Key Points



□ Service Diagram

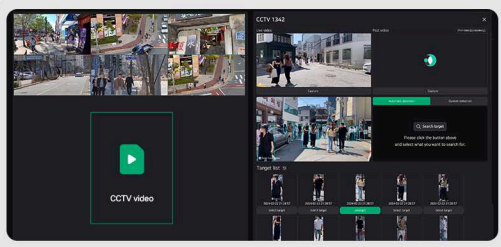


□ Important Screen and Operational Scenario

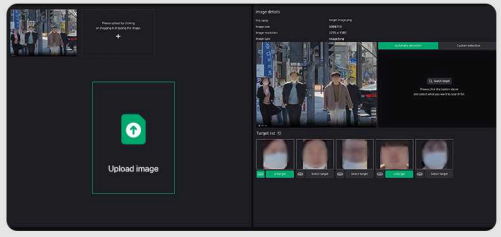
Smart Video Search

Fast search for targets from multiple CCTVs with supporting real-time detection and animated route map

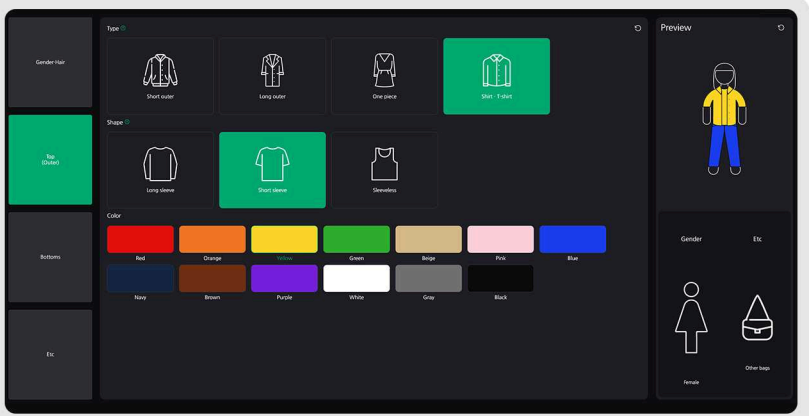
Select Targets



by selecting from **CCTV video** (body or face)

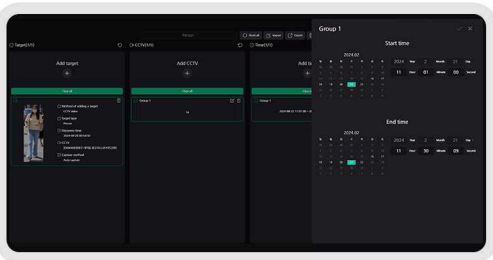


by uploading **pictures** (body or face)

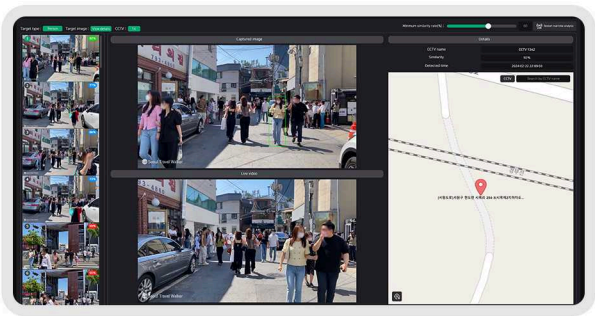


by selecting **attributes**

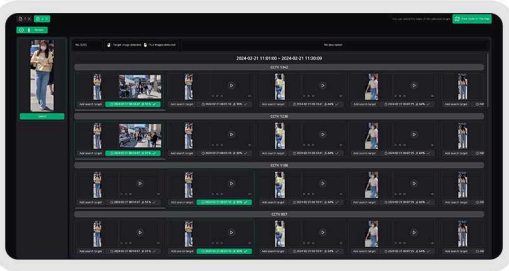
Select Conditions



Select the Live Button for Real-time Detection



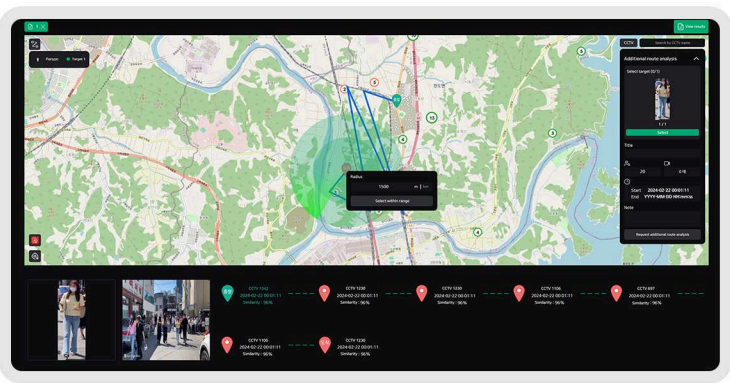
Select Candidate Targets



Download Report Results

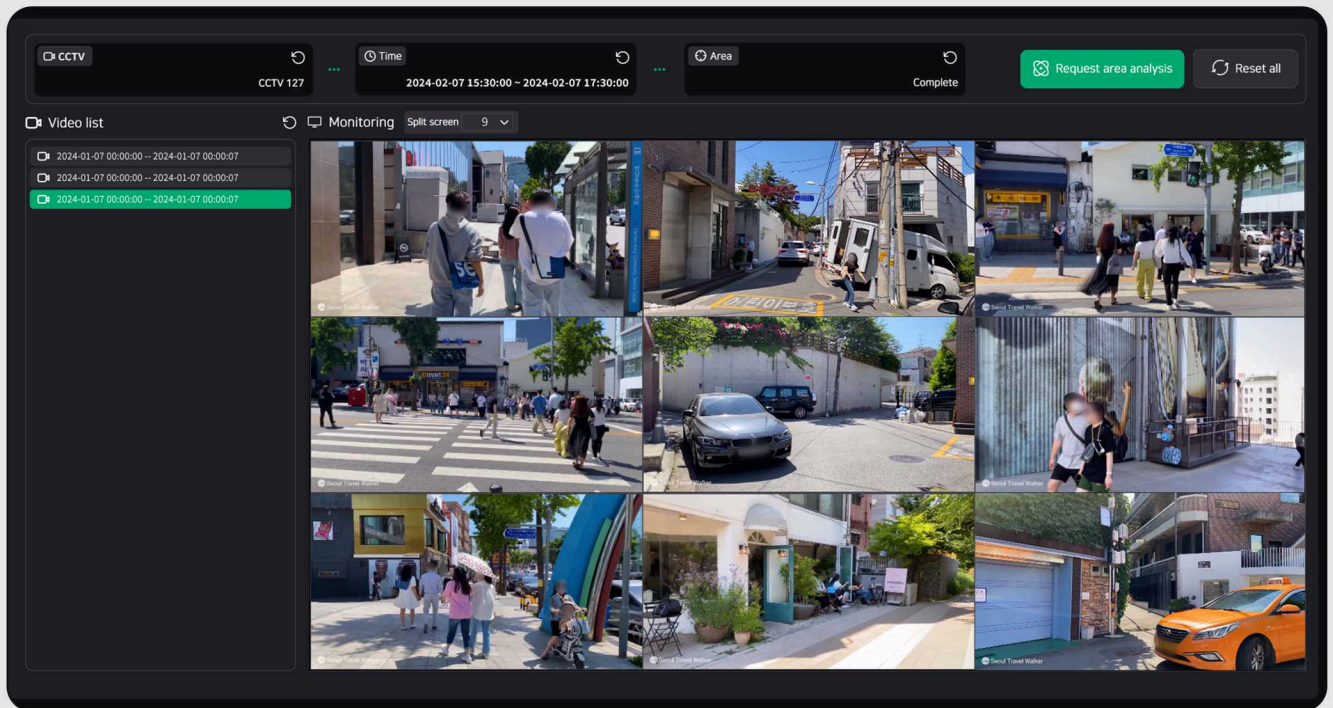


Create Animated Route Maps



Fast search for objects within the region of interest (ROI) especially for investigating hit and run cases and more

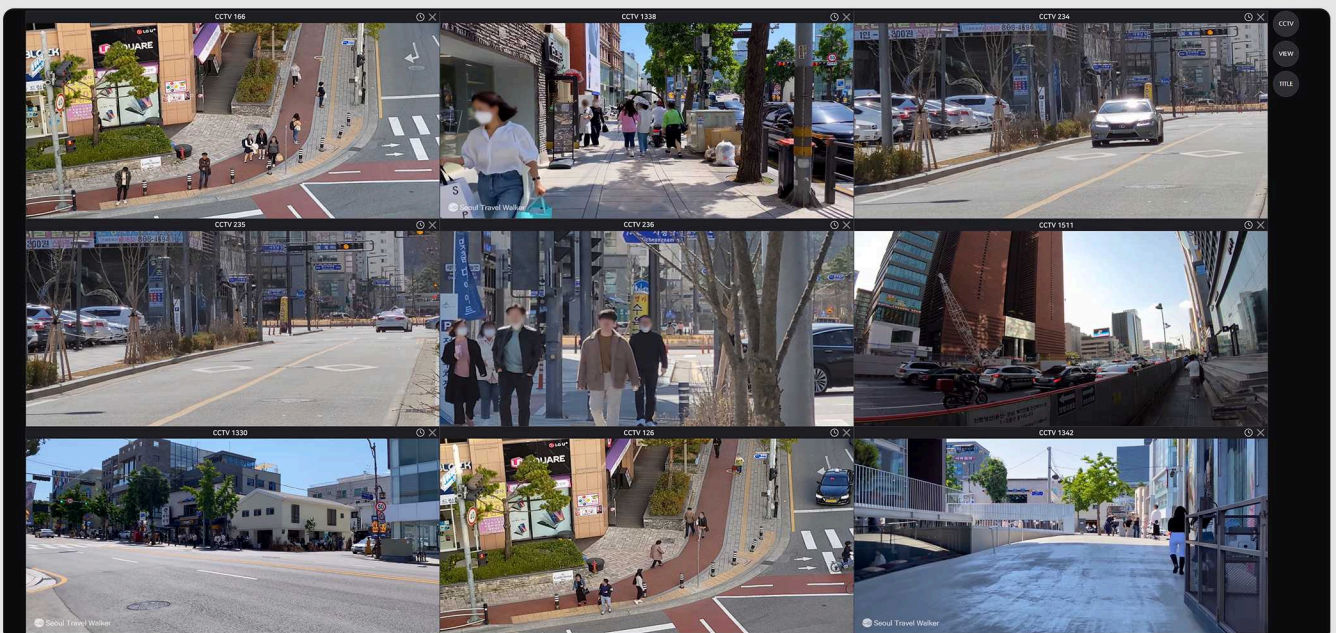
Area analysis



Area analysis results

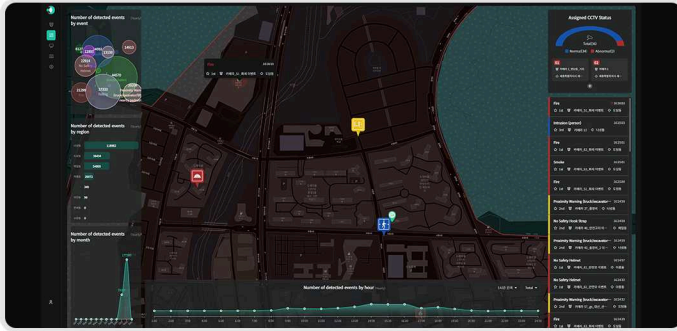
CCTV monitoring

Real-time video monitoring with supporting playback time, capture, download, etc.



Monitoring (1-4-9 split)

Smart Selective Surveillance



Surveillance for public safety

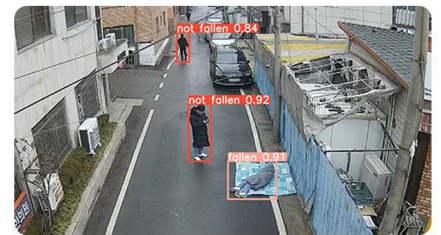
Event detection for fire, smoke, intrusion, loitering, fall down, overcrowding, illegal dumping, illegal parking, jaywalking, etc.



fire/smoke



intrusion



fall down



overcrowding



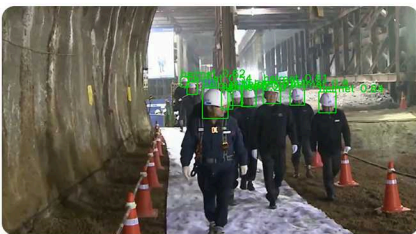
illegal dumping



flooding/intrusion (flooded area)

Surveillance for industrial safety

Event detection for no safety helmet, no safety ring, SOS, fire, smoke, trespassing, loitering, fall down, etc.



no safety helmet



SOS hand signal



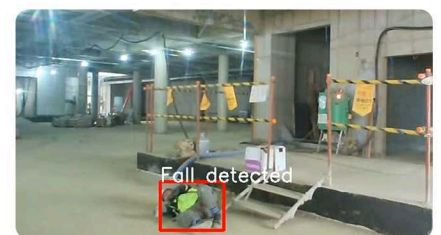
no safety hook



fire/smoke



heavy vehicle access detection

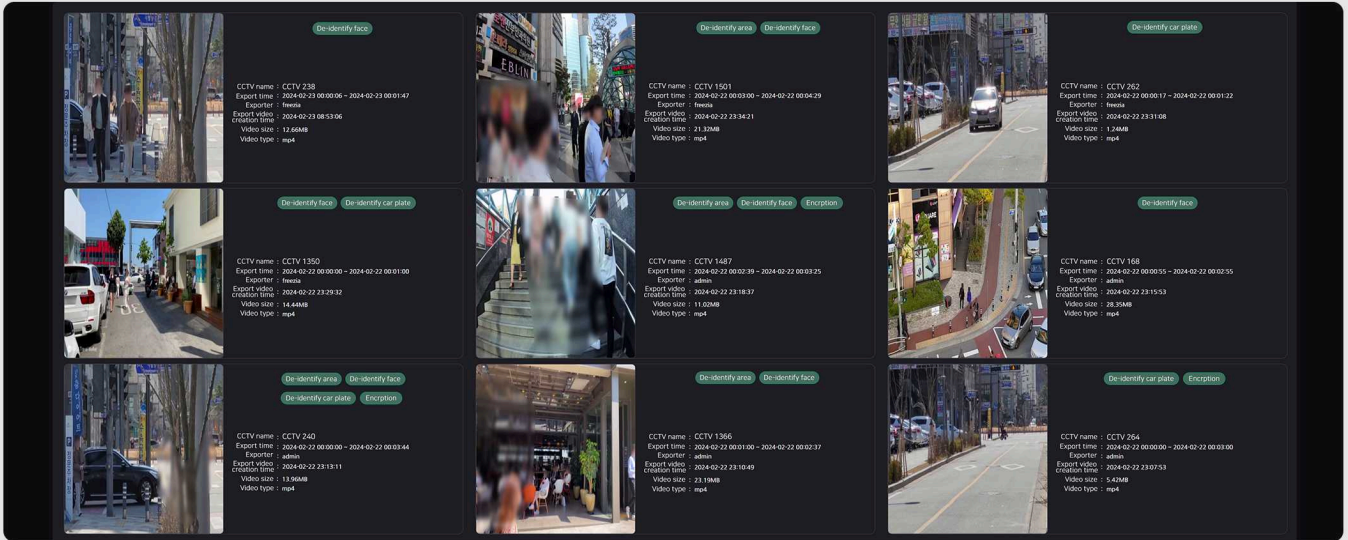


fall down

Video Export

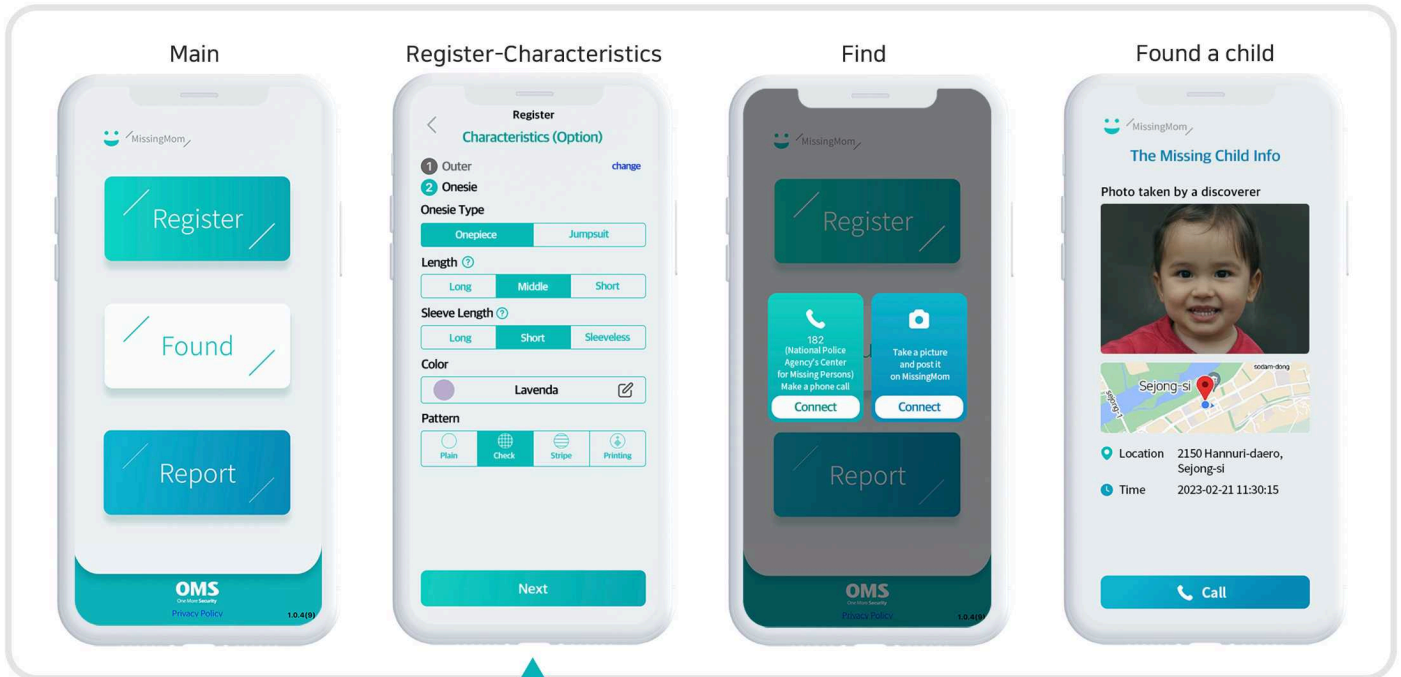
Privacy de-identification by AI for personal information such as face, license plate, and specified area

Video export control with supporting only playable dedicated media player with passwords

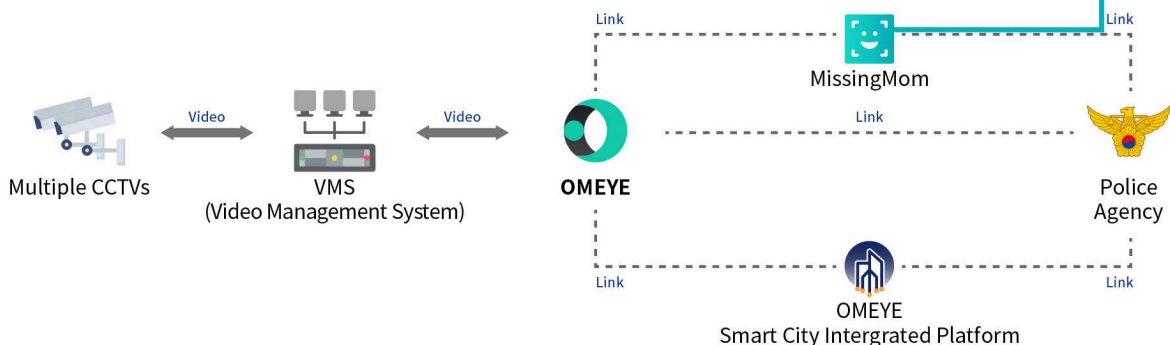


Video export history

MissingMom: mobile app-based smart participatory living lab service for finding missing persons



Application Scenario for AI Convergence National Safety Service

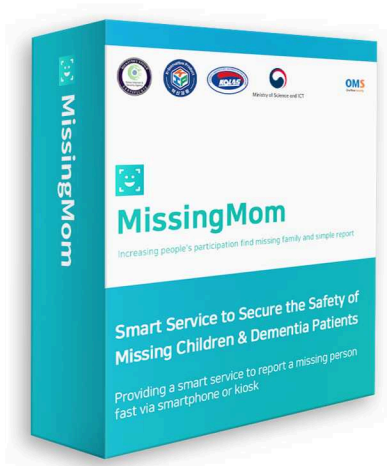




MissingMom

Smart Service to Secure the Safety of Missing Children & Dementia Patients

Providing a smart service to report a missing person fast via smartphone or kiosk



► Certifications



Face Recognition
certified with 99.98%
Accuracy by KISA
(ISO/IEC JTC1 SC37)



Innovative Products
designated by
Public Procurement Service



System and Software Quality
certified under the
accredited test by KOLAS
(ISO/IEC 25023)



MSIT Minister's Awards
Information Security Merit



MSIT Minister's Awards
Excellent Company

□ Key Points

- **Software performance and quality are fully certified by KISA, TTA, and KOLAS**
(Acquired accredited certification for self-developed face recognition model (OMFACE) by TTA V&V)
- **Smart city living lab service**
(Service applied with face recognition to find missing people that enables active participation of citizens)
- **Simple report**
(Simple report via registration of wearing information and face/body image)
- **Establishment of an efficient system for guaranteed civil safety**
(Reduce costs through intelligent service of guaranteed civil safety)

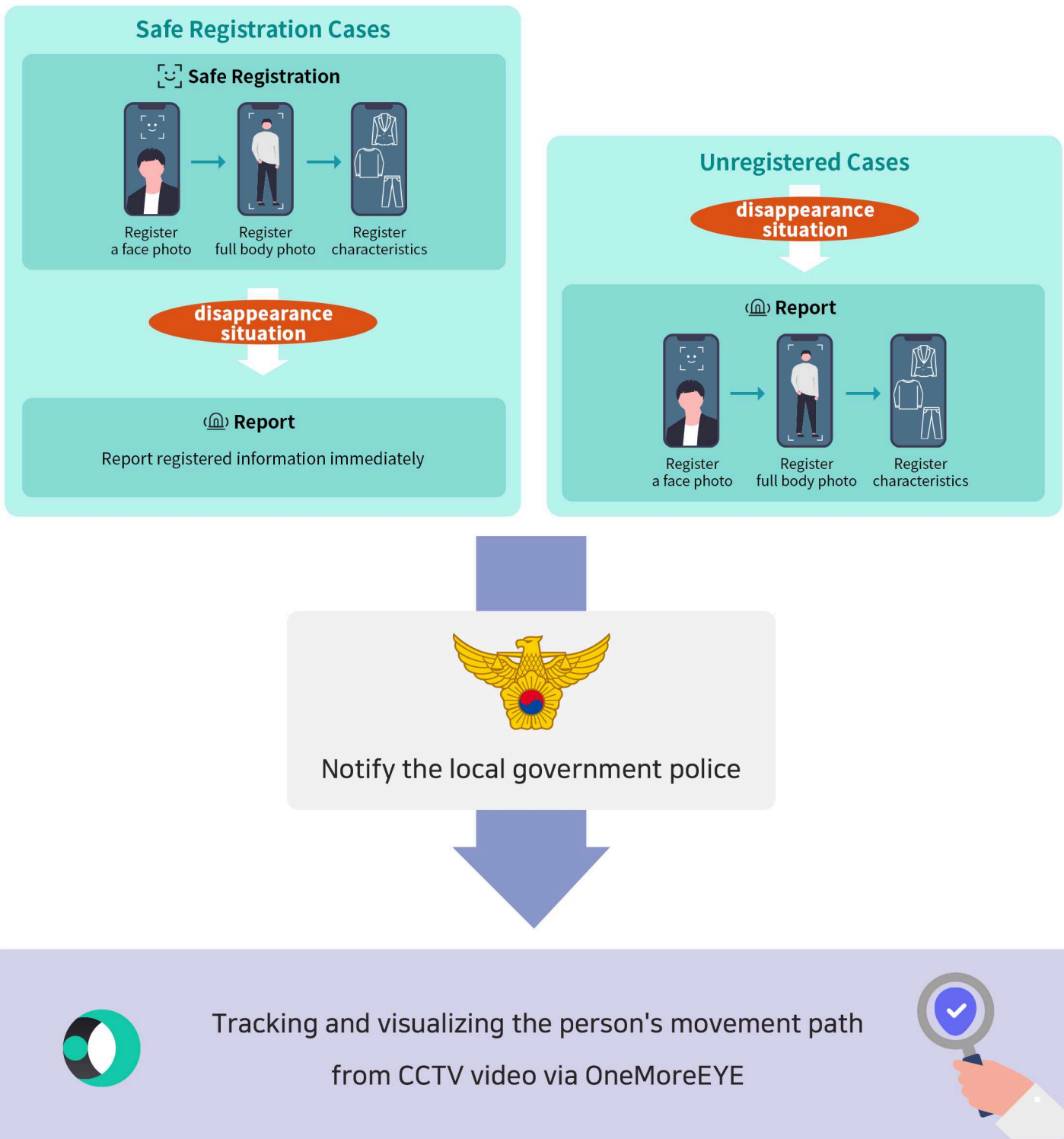
□ Necessity of Introducing



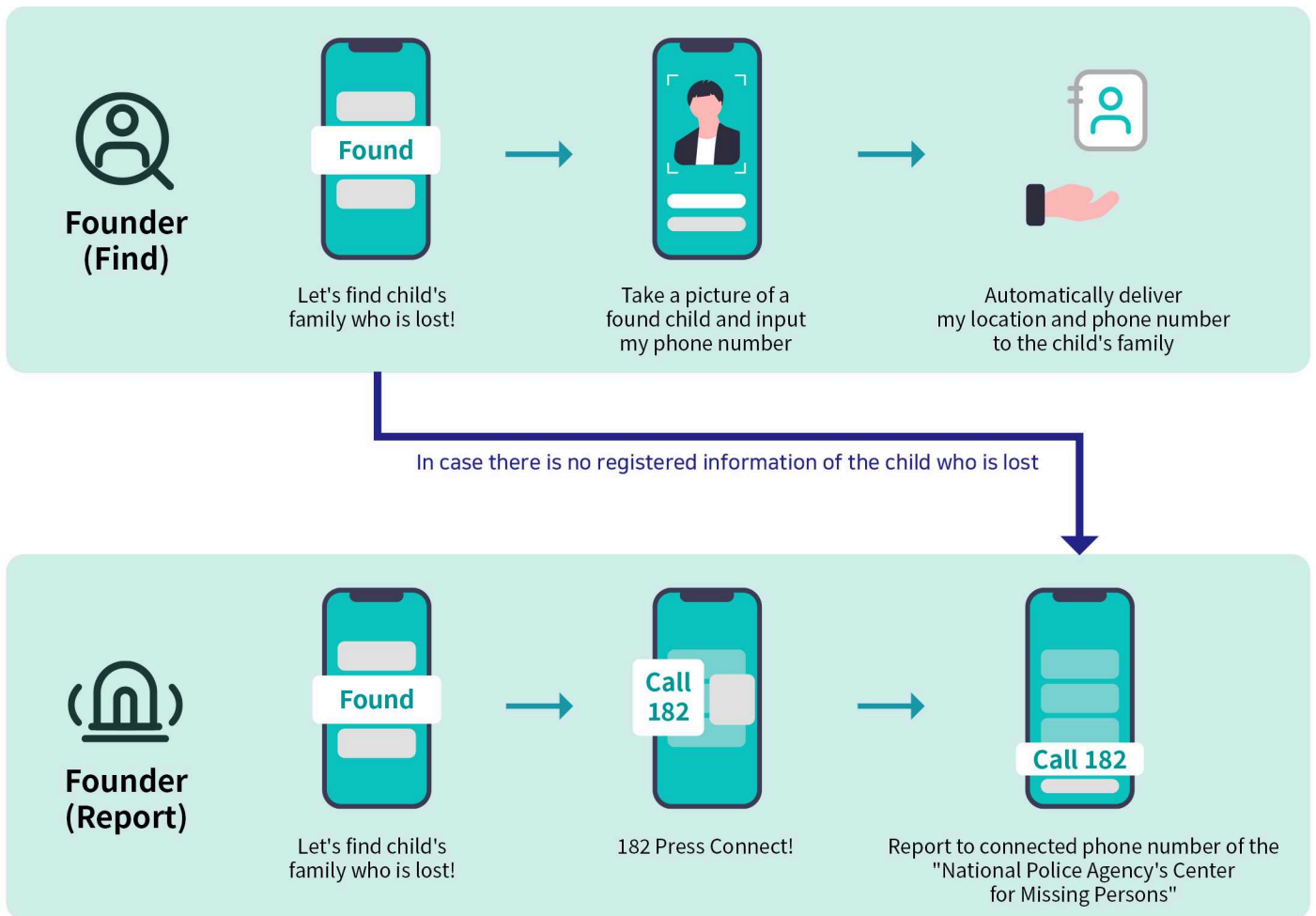
·It is urgent to prepare measures regarding the public safety from the increasing number of reports of missing people such as children, dementia patients, intellectual, autistic, mentally disabled, etc.

·As of 2022, the number of annual reports for missing children and elderlies with dementia is approximately 50,000 cases in Korea according to the statistics of the National Police Agency

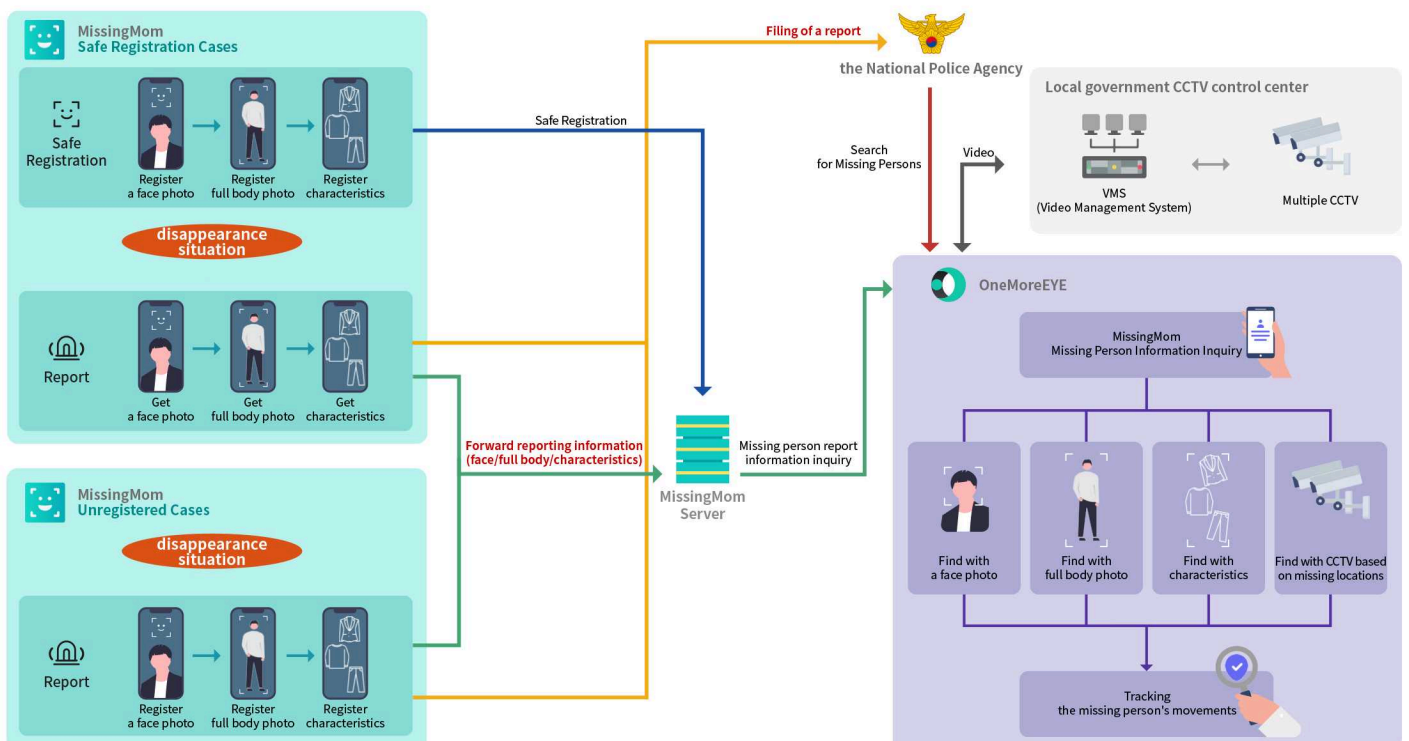
□ Operational Scenario : Family



Operational Scenario : Founder

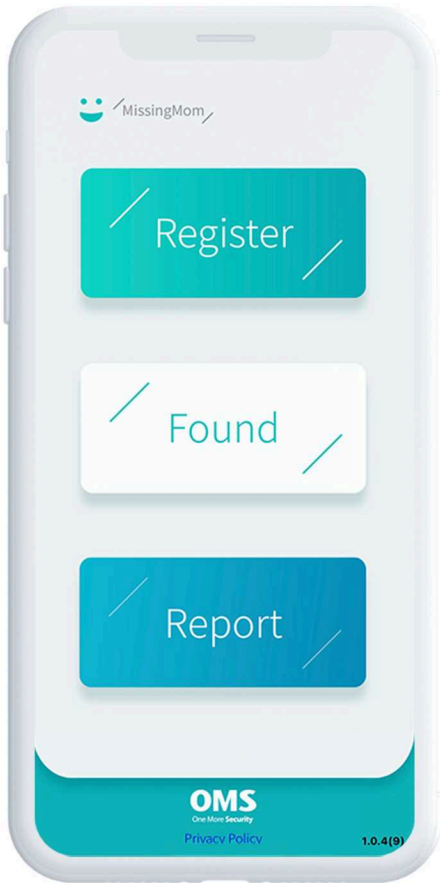


Service Scenario

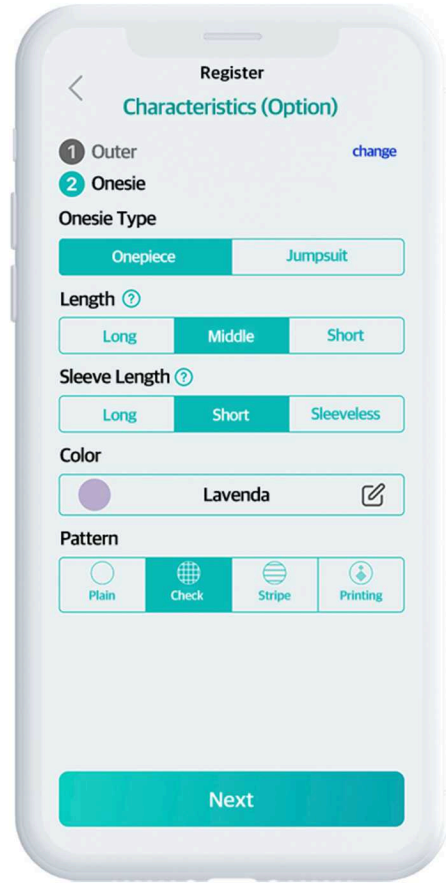


□ Important Screen

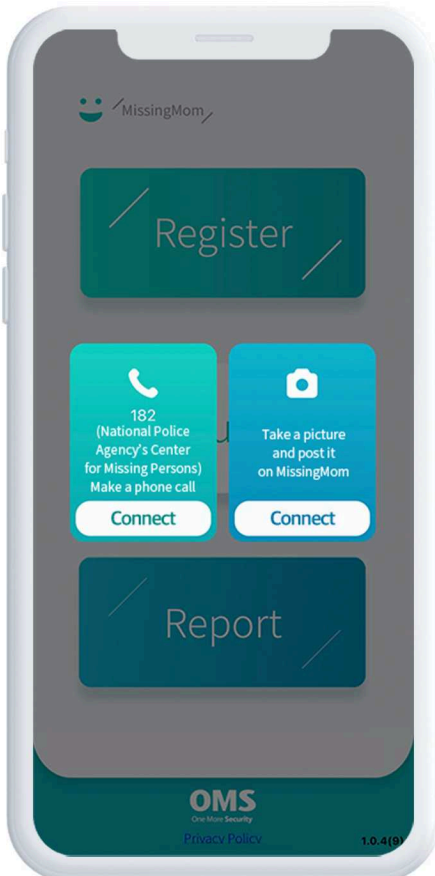
Main



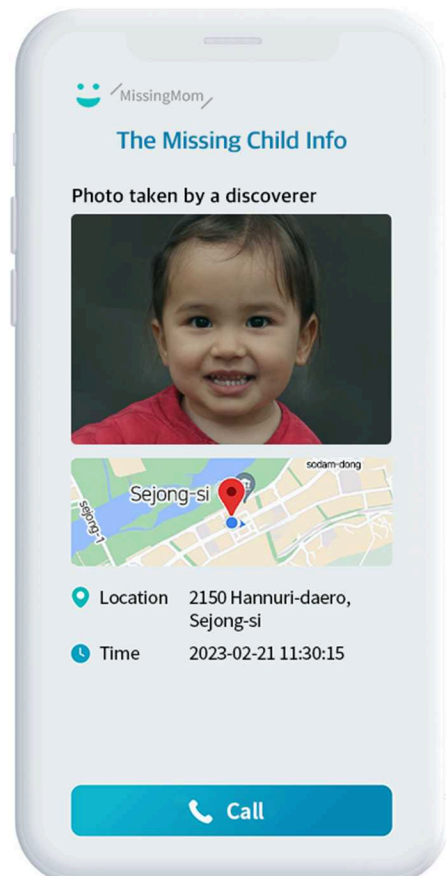
Register-Characteristics



Find



Found a child

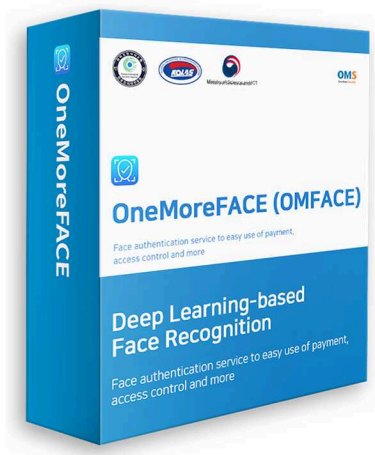




OneMoreFACE (OMFACE)

Deep Learning-based Face Recognition

Face authentication service to easy use of payment, access control and more



► Certifications



□ Key Points





- **High facial recognition accuracy rate of 99.98% based on the test of K-NBTC from KISA**
(Face recognition works even with changes in lighting, pose, expression, and accessory
(Also works with a 'Mask'))
- **Secured service trust**
(Acquired the accredited certification of K-NBTC test about facial recognition algorithm performance from KISA)
- **Real-time processing**
(Processing time of user authentication is less than 1 second based on 100,000 face DB)
- **Support cameras from 640*480, Windows, Linux, Android and IOS**
(Requires even low hardware and supports for various operating systems)
- **Available to apply on various services**
(Applying to access control, attendance management, medical appointment, E-TEST, image processing system, ERP, video conferencing solution, etc.)

□ Performance Test Results


Accuracy rate of face recognition with change in lighting, pose, expression, and accessory



Tested out 4,250,000 times through K-NBTC

- 
Lighting Recog Rate **100%**
- 
Expression Recog Rate **99.92%**
- 
Pose Recog Rate **100%**
- 
Accessory Recog Rate **100%**


□ Service Application



OMFACE

Application Cases





MissingMom

Smart Service to Secure the Safety of Missing Children & Dementia Patients

Providing a smart service to report a missing person fast via smartphone or kiosk



OMEYE

AI Video Surveillance All-in-one Safety Platform

Smart video search supporting high-speed analysis with image, attributes, or specified area for tracking human for both past and real-time

Smart selective surveillance supporting event monitoring in real-time for both public and industrial safety

Video export supporting AI privacy de-identification and dedicated player with passwords



OneMorePASS (OMPASS)

On-Premise/Cloud

FIDO (Fast IDentity Online) Solution

biometric and passwordless authentication

Phishing resistant MFA(Multi-Factor Authentication) Service



Certifications

 level1 Software Quality certified as level 1 Good Software by TTA (ISO/IEC 25023, 25041, 25051)	 Secured Login with FIDO Authentication certified by FIDO Alliance	 Cloud Computing Quality certified under the accredited test by NIPA
 MSIT Minister's Awards Information Security Merit	 MSIT Minister's Awards Excellent Company	

□ Necessity of Introducing



- Increasing demand for user authentication technology that guarantees strong security and user convenience
- Perfectly solves the risk factors of password authentication according to FIDO standard authentication method based on public key



Several Risks of Password Authentication

- | | |
|---|--|
| <ul style="list-style-type: none"> · Most users use less than 5 passwords · Passwords are the leading cause of 80% of data loss | <ul style="list-style-type: none"> · More than 50% of users have never changed their passwords in 5 years · Most users reuse the same password across multiple sites |
|---|--|

□ Next-Generation Integrated Authentication Solution

Resolves the inconvenience and anxiety of password methods Guarantees user convenience and security at the same time



High Security
Based on PKI



User Convenience
with No Passwords



Multi-Scalability

to Applicate Various
AuthN Methods

□ Advantages

·User Convenience

Apply various authentication methods and manage integrated authentication lifecycle with this one OMPASS (mobile authentication device).

·Completely Eliminate Security Vulnerabilities

Through the "passwordless login", complete removal of security vulnerabilities due to password use and management and also satisfy one's security compliance.

·Compliance with International Standards

Comply with FIDO Alliance international standard based on public key.

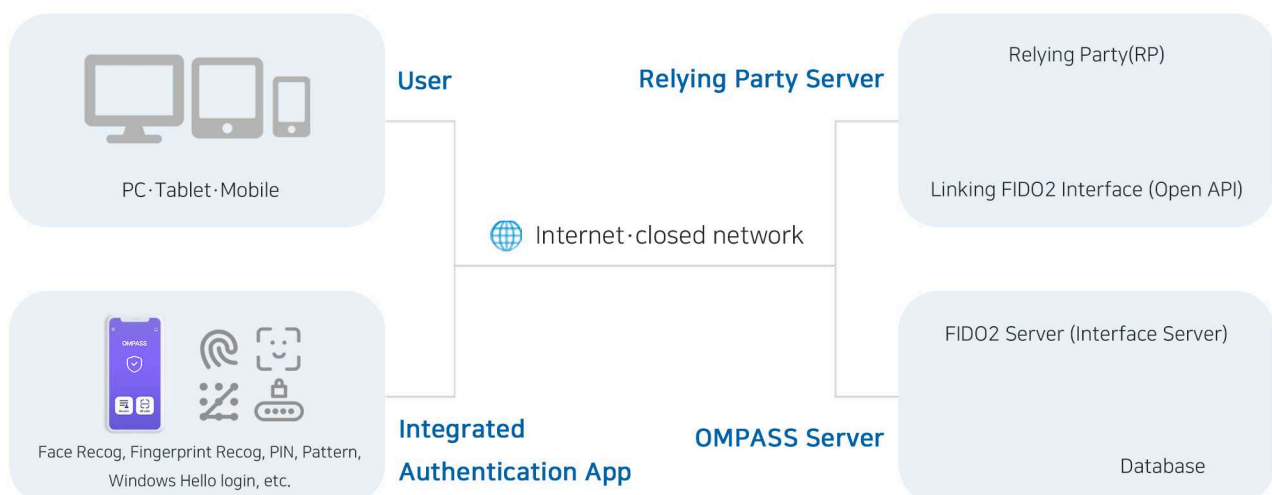
·Establishing a zero trust environment

Complete a zero trust environment by establishing a strong and reliable FIDO authentication system.

□ Specification Diagram

System Specifications

- Server: Windows, Linux (Intel Xeon 2GHz or higher, RAM 64GB, HDD 1TB or higher recommended)
- Client: Android, iOS



□ Key Points

Various AuthN Methods

- **Various authentication methods can be expanded**
Application of the latest various user authentication technologies based on public Key
- **User-selectable authentication**
Supports various authentications such as Face Recog, Fingerprint Recog, PIN, Pattern, Windows Hello login, and more

Client-Centric Flexibility

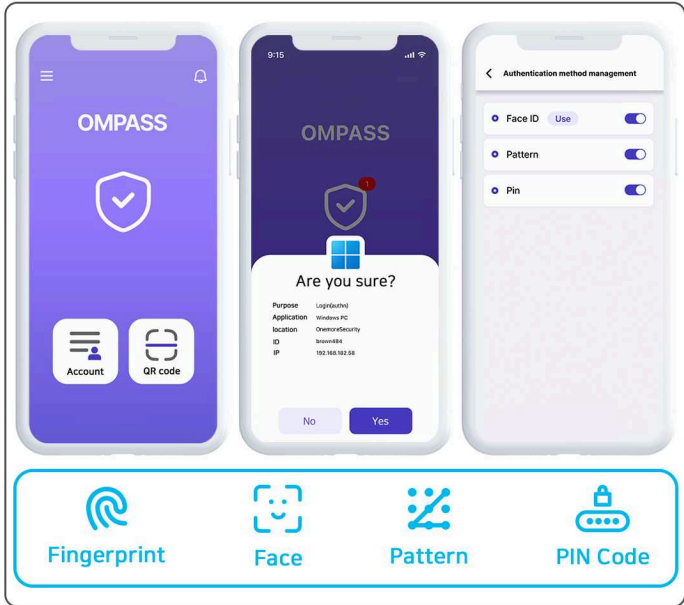
- **Client-Centric Service**
Provides an optimized service for the environment of customer needs through user integrated authentication app or SDK
- **Minimize Developing Time**
Provides linking module (interface server) to minimize applying time and developing work
- **Integratable authentication services**
Supports all web-based web-based service, Windows client, Windows login, mobile app, Linux PAM, MacOS, Radius, Redmine, Gooroom login, etc. client
- **Optimized the Customer Environment**
Supports UAF (Universal Authentication Framework) and U2F (Universal Second Factor)
- **Optimized the Network Environment**
Full support for Internet and closed network environments

Enhanced System Security

- **Secured Security**
Conducted penetration testing through a professional white hacker team and completed security measures
- **Enhanced Administrator Authentication**
Requires OMPASS authentication separately when accessing the admin page
- **Service Access Control**
By browser, user location, IP address, and time schedule
- **Prespond Strongly against Phishing Attack**
Verifies the user access device (or browser)
- **Reinforcement of Mobile Authentication Device Security**
Verifies the jailbreak, forgery, and latest version of the user device
- **Policy Violation Alarm Service**
Sends a push notification or email to administrator or user in case of violation of authentication policy

□ Main Screen

Mobile App



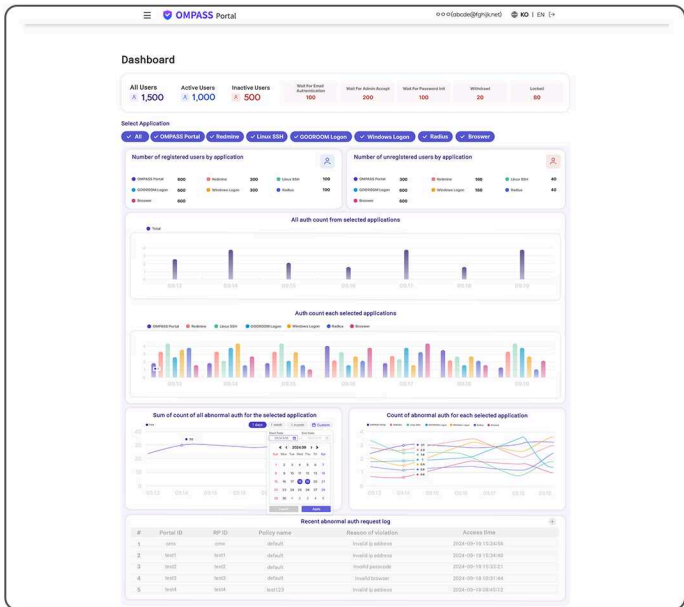
- Allows users to log in with mobile authentication devices
- Provide user selection row authentication methods

Windows Login



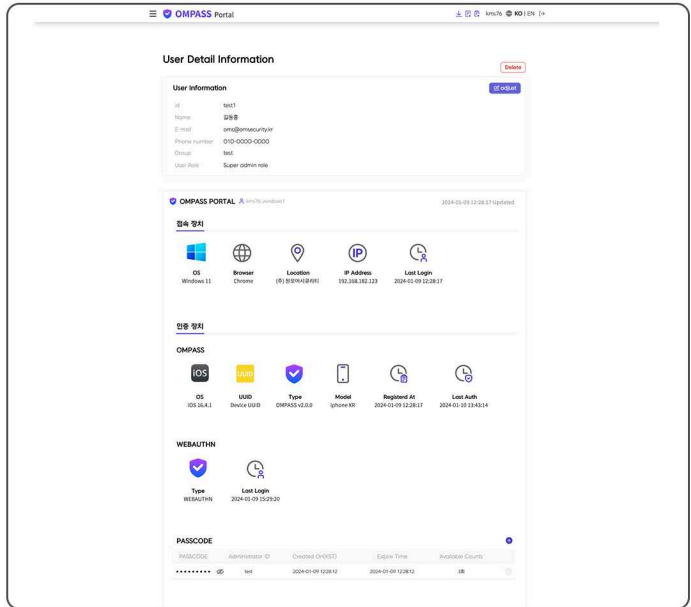
- Provides Windows login service
- Provides OTP authentication methods in an offline environment

Admin Page



- Provides dashboard functionality for administrators
- Provides application management, user management, and log management capabilities

Managing device properties



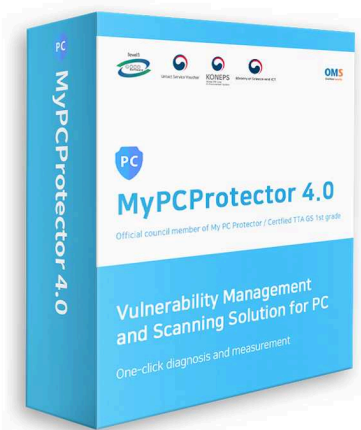
- Provides user and authentication device details management services
- Providing PASSCODE certification services for non-certified persons



MyPCProtector 4.0

Vulnerability Management and Scanning Solution for PC

One-click diagnosis and measurement



► Certifications

level1
GOOD Software
Certified 1st Grade of Good Software (GS)
from the Korean Telecommunications
Technology Association (TTA)

Registered as Untact Service
Voucher Business Supplier
from the Ministry of SMEs and Startups

MSIT Minister's Awards
Information Security Merit

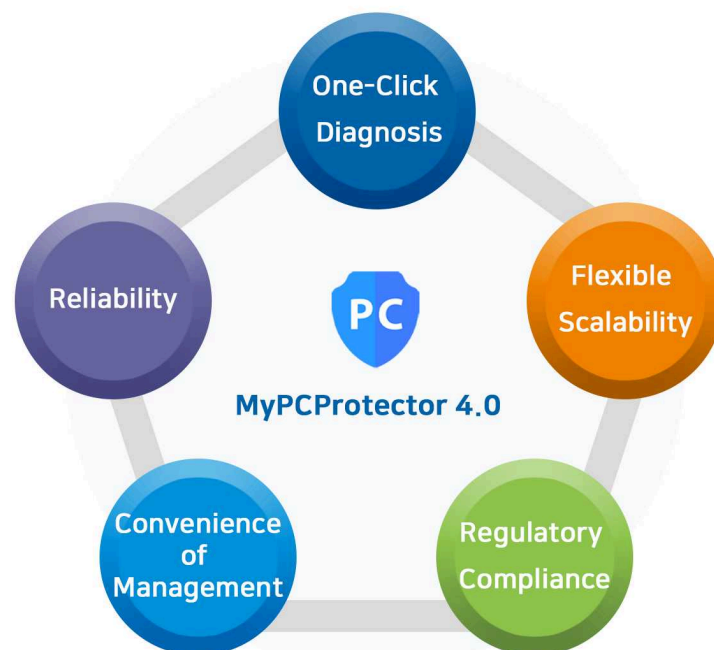
KONEPS
Korea On-Line
E-Procurement System
Registered in Korea
On-Line E-Procurement System,
Nara Market

MSIT Minister's Awards
Excellent Company

□ MyPCProtector 4.0

OMSMYPCProtector 4.0 provides PC security vulnerability diagnosis and its solution that allows the endpoint security to be operated in the most secured status against security threats on the user's PC.

! Most security incidents start from vulnerable PCs of internal users with low security awareness.



□ Advantages



- One-click PC vulnerability check
- Forced PC vulnerability check and measuring function provided (measures unable to terminate)
- Provides easy measurable UI (automating function is provided)
- Provide a guidance into specific measures



- Official council member of My PC Protector
- Acquired the Certification Level 1(=1st grade) of Good Software(GS), the Certificate of Software Quality from the Telecommunications Technology Association(TTA)



- Provide statistics and reporting data on PC inspection results
- Provide intuitive dashboard function
- No need for separate customizing
- Provides agent automated integrity check function
- PC status can be checked at all times through widget service



- Compliance with the Cybersecurity Diagnosis Day



- Addition of administrator-defined checklists can be created
- Possible to support network blocking through "S-Capsule" linkage
- Support linking to third-party solutions

□ Important Screen

Main Screen (Client)



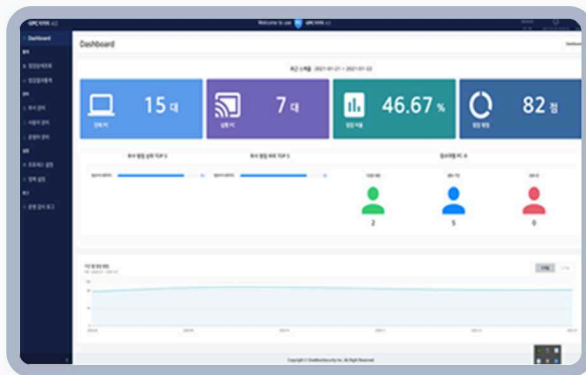
User's PC Check



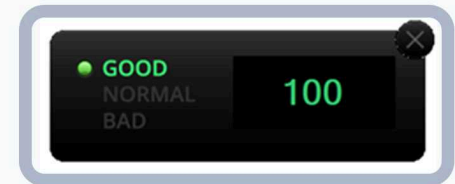
User's PC Check Result



Dashboard (Server)



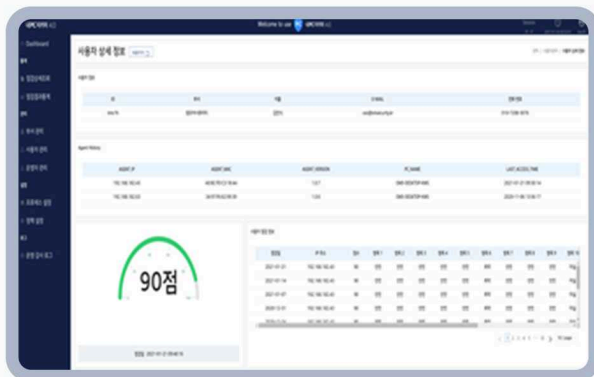
Widget



Results Report



User Details

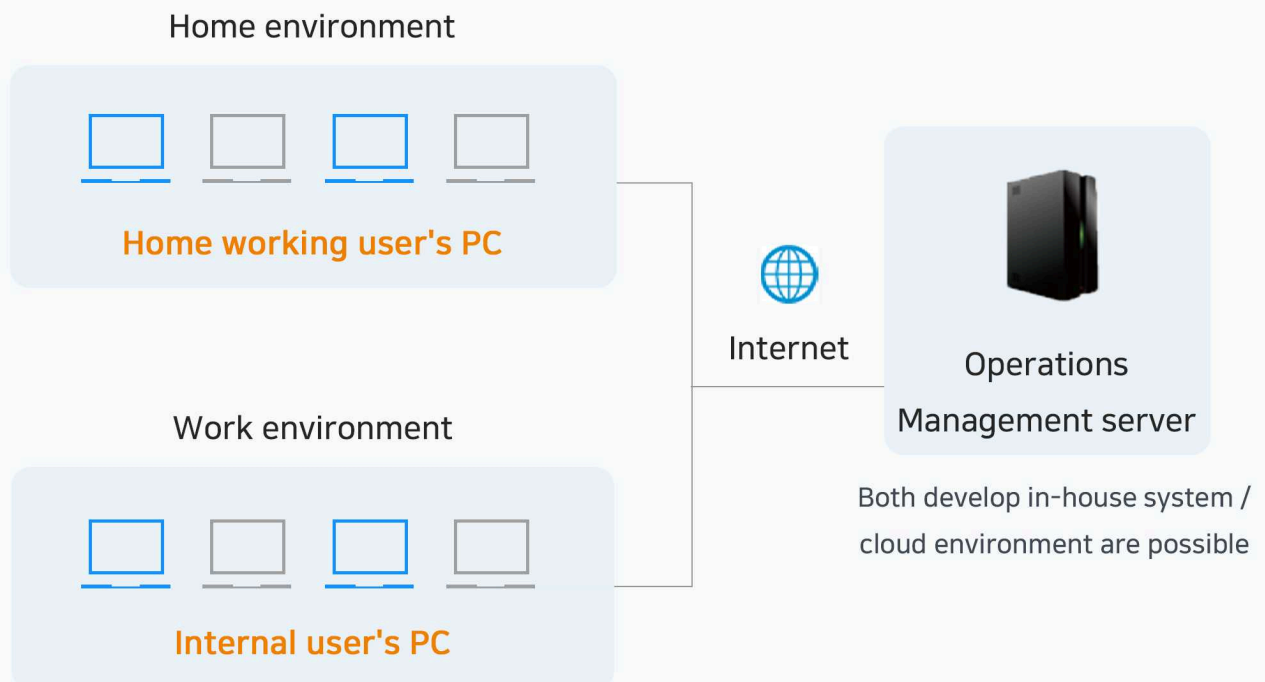


□ Key Points

Functions	Characteristics
Vulnerability Check & Measure	<ul style="list-style-type: none"> · One-click diagnosis and measurement for 16 types of vulnerability including the "Cyber Security Diagnosis Day" checklist · Possible to force inspection according to the schedule (monthly/weekly/daily) policy through central management (cannot be terminated) · Display the inspection results for each list as something like safe/vulnerable so that users can be intuitively understand
Result Analysis	<ul style="list-style-type: none"> · Provide individual evaluation report and detailed history · Provide informations on overall/departmental evaluation/inspection rate and top 5/bottom top 5 of departmental rating, and provide a function to download the result report
Management	<ul style="list-style-type: none"> · Support linking with HR databases and other security solutions · PC status can be checked at all times through widget service · Automatic inspection of client program to verify forgery or falsification (security enhancement)

□ Service Diagram

"Manage to maintain a secured status through periodic diagnosis and measures on user's PC security vulnerability"

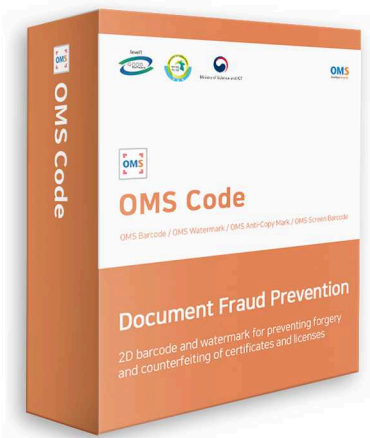




OMS Code

Document Fraud Prevention

2D barcode and watermark for preventing forgery and counterfeiting of certificates and licenses



▶ Certifications

 Certified 1st Grade of Good Software (GS) from the Korean Telecommunications Technology Association (TTA)	 Designated as Innovative Procurement Product on Venture Nara	 MSIT Minister's Awards Information Security Merit	 MSIT Minister's Awards Excellent Company
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□ Application Scenario

OMS Code can be applied to various domains such as certificate forgery verification, book voice conversion, activation, expiry date, inventory management, fintech, healthcare, copy protection, etc.



OMS Barcode
High-density 2D barcode



OMS Watermark
Embrocating watermark



OMS Anti-Copy Mark
Copy protection



OMS Screen Barcode
Low-density 2D barcode

□ Key Points

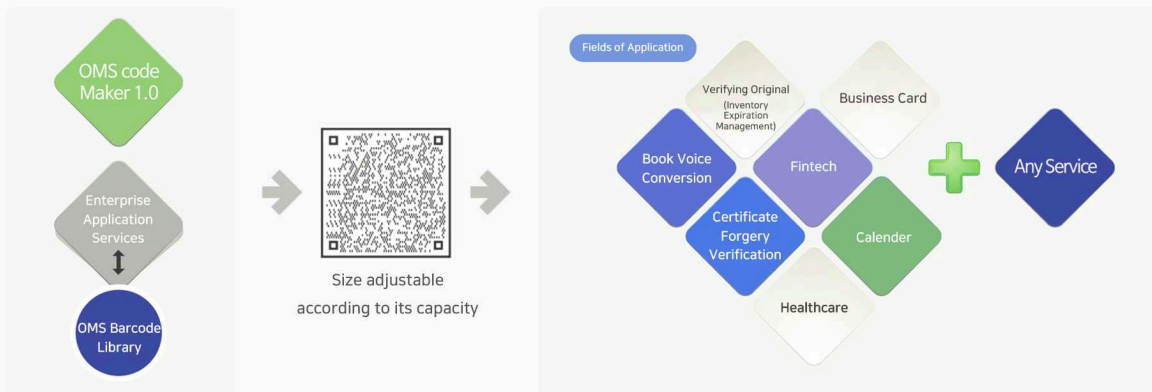
◇ OMS Barcode (High-density 2D barcode)

| High-density 2D barcode with the world's largest data insertion in 300dpi environment

- Information stored in high-density 2D barcodes can be printed out to screen and voice through mobile app
- Data encryption / decryption via KCMVP crypto module
- Optimized solution that can help the visually impaired and elderly people to improve accessibility of information (compliance with the Broadcasting and Communication Standards (KCS.KO-06.0181))

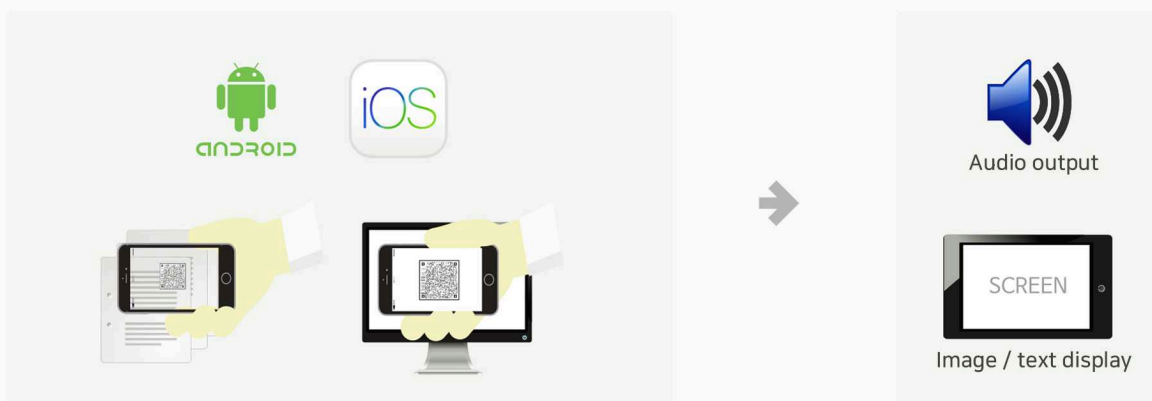
Generation

- Barcode generation using Windows PC-only applications (OMS Code Maker) or libraries



Detection

- Easy acquisition via mobile app (Android·iOS) (provided with OMS mobile app or library)
- Acquire OMS barcode displayed on printout and monitor screen



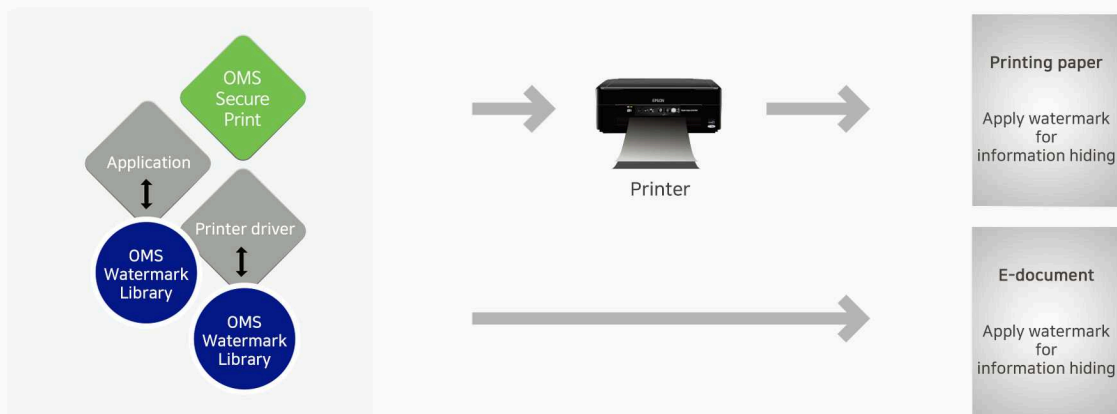
◇ OMS Watermark (Embrogating Watermark)

| Watermark for hiding information with invisibility (whole embrogating method)

- The mobile app allows you to acquire hidden informations in the watermark when shooting anywhere in the printout.
- Applicable to various services such as printout generator tracking, certificate forgery verification, activation, security paper export history management, etc.

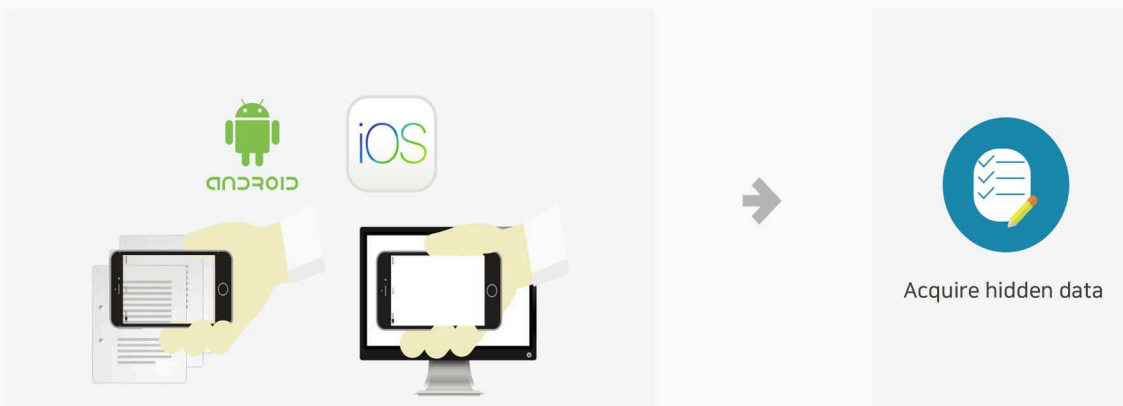
Generation

- Apply watermark when printing through OMS print control solution or dedicated library



Detection

- Easy acquisition via mobile app (provide with OMS mobile app or library)
- Acquire OMS Watermark displayed on printout and monitor screen



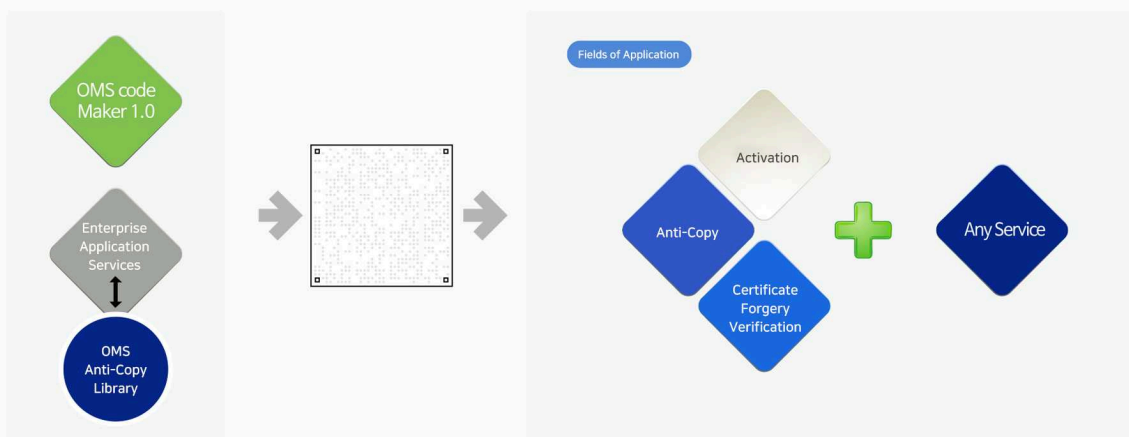
◇ OMS Anti-Copy Mark

| Determine whether to copy through the naked eye or mobile app

- Apply it to various services such as verifying the original, activation, certificate forgery verification, etc.

Generation

- Apply Anti-Copy Mark using OMS Code Maker



Detection

- Easy acquisition via the naked eye or mobile app (provided with OMS mobile app or library)



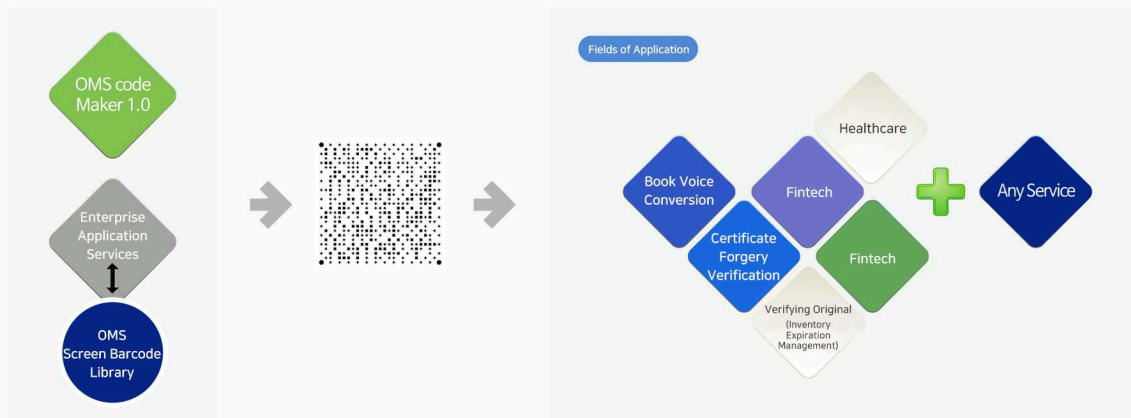
◇ OMS Screen Barcode (Low-Density 2d Barcode)

| Low-density 2D barcode optimized for screen environment

- Information stored in low-density 2D barcodes can be acquired through mobile app
- Applicable to various services such as user authentication, certificate forgery verification, book voice conversion, activation, expiry date, inventory management, fintech, healthcare, etc.

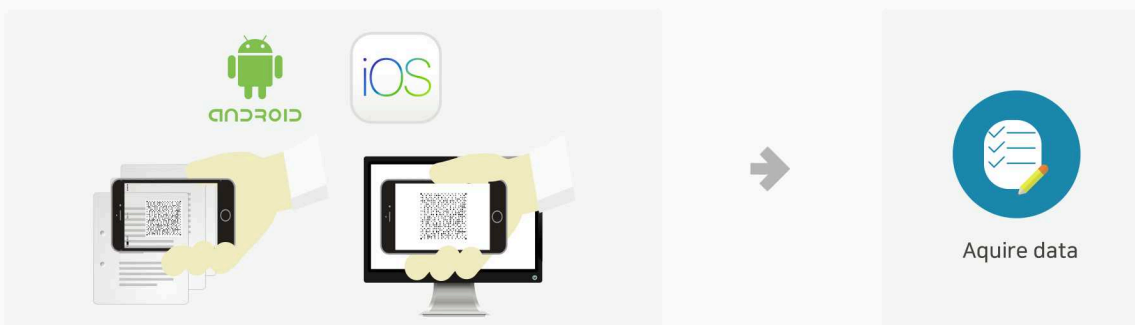
Generation

- Generate the barcode using Windows PC-only applications (OMS Code Maker) or libraries



Detection

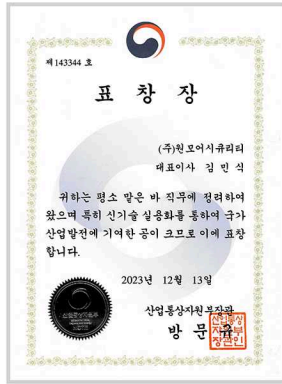
- Easy acquisition via mobile app (Android·iOS) (provided with OMS mobile app or library)
- Acquire 'OMS Watermark' displayed on printout and monitor screen



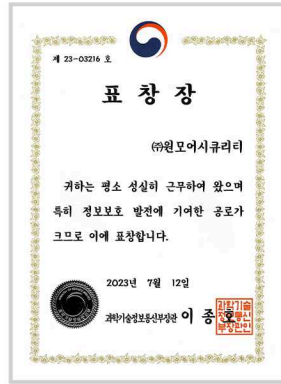
Awards & Registrations



Minister Award of the Ministry of Science and ICT (Excellent Company 2024)



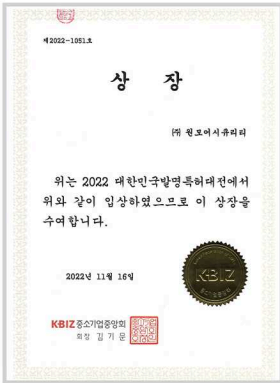
Minister Award of the Ministry of Commerce Industry and Energy (Contribution to national industrial development through commercialization of new technologies)



Minister Award of the Ministry of Science and ICT (Information Security Merit)



Minister Award of the Ministry of Science and ICT (Information Security Product Innovation Contest)



KINPEX 2022 KBIZ Awards Winner



Minister Award of the Ministry of Science and ICT (Excellent Company 2022)



WSCE 2022 Awards Winner



Gangseo-gu Smart City Idea Competition Awards Winner



OMEYE v1.2 Copyright Registration



OMEYE Smart City Platform Copyright Registration



OMEYE v2.0 Copyright Registration



OMEYE v1.0 Copyright Registration



OMS Secure Print v1.0 Copyright Registration



OMS Code v1.0 Copyright Registration



S-Capsule v1.0 Copyright Registration



MyPCProtector 4.0 Copyright Registration



MissingMom v1.0 Copyright Registration



OMPASS v1.0 Copyright Registration



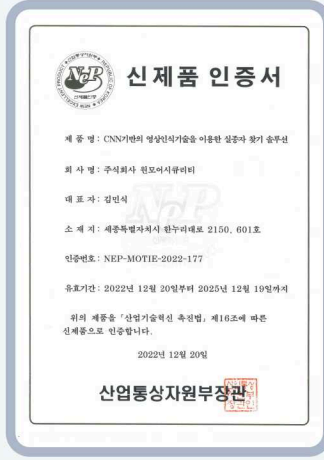
OMFACE v1.0 Copyright Registration

Certifications

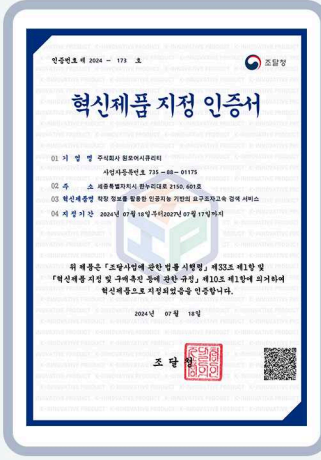
Product Certificate



OMEYE v1.0
Excellent Product
of Public Procurement Service



OMEYE v1.0
New Excellent Product (NEP)
Certification



OMEYE v2.0
Innovative Product Certificate



OMEYE v1.0, MissingMom v1.0
Innovative Product Certificate



OMEYE v1.0
KISA K-ICTC Certificate
(Loitering, Intrusion, Abandonment)



OMEYE v1.0
KISA K-ICTC Certificate
(Loitering, Intrusion, Falldown)



OMEYE v1.0
KISA K-ICTC Certificate
(Loitering, Intrusion,
Queueing/Counting)



OMEYE v1.0
KISA K-ICTC Certificate
(Loitering, Intrusion, FireDetection)



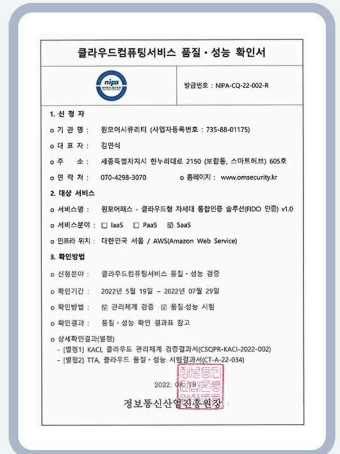
OMEYE v1.0
Excellent Information Security
Technology Certificate



OMEYE Smart City Platform
TTA Certificate



OMPASS v1.0
FIDO Alliance
International Certification



OMPASS v1.0
Cloud Computing Certification



OMFACE v2.0

KISA K-NBTC Certificate



OMFACE v1.0

KISA K-NBTC Certificate



OMEYE v1.0

TTA GS 1st Grade Certificate



OMPASS v1.0

TTA GS 1st Grade Certificate



My PC Protector 4.0

TTA GS 1st Grade certificate



OMS Secure Print v1.0

TTA GS 1st Grade certificate



OMS Code v1.0

TTA GS 1st Grade certificate



S-Capsule v1.0

TTA GS 1st Grade certificate

Company Certificate



Excellent Technology Evaluation Company Certificate



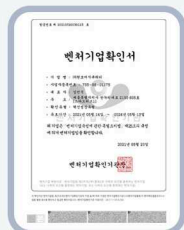
G-PASS Company Certificate



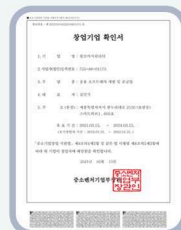
Inno-Biz Certificate



KRX Startup Market (KSM) Certificate



Venture Company Certificate



Start-up Company Certificate



Direct Production Confirmation Certificate



Corporate Research Institute Accreditation

Patents

Nation	Name of invention	Registration Number
Germany	Device and Method for Providing Missing Child Search Service Based on Face Recognition Using Deep Learning	11 2021 004 252.1
Germany	APPARATUS AND METHOD FOR TRACKING MISSING PERSON BASED ON ATTRIBUTE	11 2022 000 061.9
Republic of Korea	APPARATUS AND METHOD FOR TRACKING MISSING PERSON BASED ON ATTRIBUTE	10-2022-0147011
PCT	APPARATUS AND METHOD FOR TRACKING MISSING PERSON BASED ON ATTRIBUTE	PCT/KR2022/017439
United States of America	APPARATUS AND METHOD FOR TRACKING MISSING PERSON BASED ON ATTRIBUTE	18/009,560
UK	APPARATUS AND METHOD FOR TRACKING MISSING PERSON BASED ON ATTRIBUTE	2218660.5
Republic of Korea	AI-based illegal parking management method and device	10-2022-0120845
UK	Device and Method for Providing Missing Child Search Service Based on Face Recognition Using Deep Learning	2213332.6
PCT	Method and apparatus for providing personal protection alarm	PCT/KR2022/006361
Republic of Korea	Method and apparatus for providing personal protection alarm	10-2545383
United States of America	Apparatus and method for providing missing child search service based on face recognition using Deep-Learning	17/606,590
Republic of Korea	Server for tracking missing children and deep learning based tracking method for moving routes of missing children from its server	10-2305038
PCT	Apparatus and method for providing missing child search service based on face recognition using Deep-Learning	PCT/KR2021/010589
Republic of Korea	Server for tracking missing children and deep learning based tracking method for moving routes of missing children from its server	10-2270899
Germany	Method and apparatus for preventing illegal outflow of electronic documents	15171427.6
Republic of Korea	Method and apparatus for video recognition	10-2020-0064978
Republic of Korea	Method and apparatus for registering face and pose for face recognition	2018-0146791
Republic of Korea	Method and apparatus for preventing illegal leakage of electronic documents by self-response	10-1781970
United States of America	Information insertion method, information extraction method, and information extraction device using point-based information that are strong against geometric distortion	9710872
United States of America	Method and apparatus for preventing illegal outflow of electronic documents	14/736144
Republic of Korea	Method and apparatus for preventing illegal leakage of the electronic documents	10-1599740
Republic of Korea	Method and apparatus on removable storage medium control for preventing data leakage	10-1460297
Republic of Korea	Method and apparatus for checking PC security	10-0961180
Republic of Korea	Method and system for checking PC security	10-0862617

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master@omsecurity.kr



+82 10 5913 3882



Unit 511~512 Smart Hub 1, 2150,
Hannuri-daero, Sejong-si, Republic of Korea



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