

Edge & Generative : The Hybrid AI Revolution

Unparalleled speed, reliability
and accuracy in video analytics



About us

EdgeDX is a leader in Digital Transformation from the Edge.

Combining the performance of autonomous driving-based chipsets with EdgeDX's advanced AI video analysis technology to provide unmatched accuracy and system stability.



Hybrid AI Boost

Combines the precise analysis capability of Edge AI with Generative AI to understand rich contextual details with human-level recognition.



Standalone Device

A standalone device analyzing up to 16 video streams without a separate server. Perfectly compatible with existing CCTV infrastructure.



False Alarm Minimization

Significantly reduces unnecessary alarms and notifies only real threats through the multi-stage False Alarm Prevention Filter.



Broad Compatibility

Excellent scalability supporting various protocols like ONVIF, RTSP, HTTP, TCP, MQTT and VMS integration



Certified Security

Suitable for public institutions and critical facilities by obtaining NDAA compliance and KISA security certification.



Over 60 AI Apps

Provides over 60 different AI analysis apps including intrusion detection, fire detection, fall detection, and crowd density analysis.

15 Years+

Video Analytics Experiences

10 Years+

AI Deep Learning Experiences

20 Years+

Embedded Development Experiences

250,000 +

AI Channels Deployed

80%+

Engineer Ratio

Edge & Generative: The Hybrid AI Revolution

Delivering powerful analytical capabilities by combining Edge AI video analytics with Generative AI. EdgeDX sets a new standard for AI video analytics through the Hybrid AI revolution.

Key Technology Summary



Robust Durability

Equipped with AI DSP for autonomous driving to maximize product durability and ensure stable operation in various environments.



Proprietary Multi-layer Algorithm

Dramatically reduces false alarms with multi-stage filtering technology and provides precise object recognition rates even in complex situations.



Standalone Edge Solution

An efficient All-in-One AI system capable of analyzing up to 16 channels independently without a separate server.



Hybrid AI Boost

Combines the precision of Edge AI with the insights of Generative AI to support next-generation video analysis that understands context.

60+ Intelligent AI Apps

All the analytics solutions you need

You can run multiple AI algorithms simultaneously on a single channel. From basic security functions to advanced behavior analysis, industrial safety, and retail insights, EdgeDX provides all the AI applications needed for your site.

🏆 2023 Korea Security Product Innovation Award

🏆 Korean Government-Affiliated Authority (KISA Intelligent CCTV Solution Certification)

Intrusion	Loitering	Virtual Fence	Forklift
Fire/Smoke	No Helmet	Fall Detection	LPR
Heatmap	Violence	Animal	Crowd Counting

AI Bridge Intelligent Video Analysis AIoT Gateway



Key Features of AI Bridge

- ✓ 60 + intuitive AI Apps capable(On-premises)
- ✓ Multiple AI apps can run simultaneously on a channel
- ✓ Advanced human behavior analysis
- ✓ Hybrid AI boost mode support
- ✓ Multiple devices management portal
- ✓ Supports various protocols and 3rd party platforms
- ✓ Wide temperature range(Fan-Less): -30°C(-22°F) ~ 70°C (158°F)
- ✓ Support up to 16 camera channels
- ✓ P2P based mobile alarm viewer
- ✓ LTE & GPS support (option)
- ✓ Internal recording with M.2 NVME SSD (optional)
- ✓ Cloud based dashboard (option)

Demanded by the Field Unmatched Durability

AI Bridge operates even when standard servers fail.

Experience 365 days of uninterrupted edge computing with automotive-grade reliability, fanless design, and extreme temperature resistance.

Why do 'Server-Type' Analytics Fail in the Field?

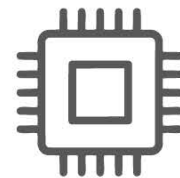
The field, unlike an indoor server room, demands completely different hardware.

Comparison	Standard Server/PC (Risk)	AI Bridge (Solution)
Operating Temp	⚠️ 0~40°C Limited (Overheat Risk)	✅ Operating Temp
Cooling Method	⚠️ Cooling Fan (Dust, Failure)	✅ Cooling Method
Maintenance	⚠️ Filter Cleaning & Fan Replacement	✅ Maintenance
Off-hours	⚠️ AC Off → System Shutdown	✅ Off-hours

Automotive-Grade AI DSP Applied

Applied AI processors of the grade used in autonomous vehicles where safety is critical. Performs stable video analysis without data loss even under vibration, shock, and power instability.

- ✅ Automotive Grade Components
- ✅ Low-power High-efficiency NPU Architecture



Automotive Grade AI DSP Chip
High Performance NPU

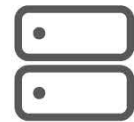
Eliminating the Cause of Failure: Fanless Design

Rotating fans suck in dust and eventually stop. AI Bridge eliminates the fan, using the entire specially designed aluminum case as a heatsink to completely block dust intake.



Cooling Fan

Noise : **Silent**



Heat Sink Case

Dust Intake : **Sealed**

Operating Temperature

**From -30°C (-22°F)
To 70°C (158°F)**

On outdoor poles in mid-winter (-30°C), inside sealed factories in mid-summer (70°C).

AI Bridge operates without performance degradation across this wide range.

Use Cases by Industry

Discover EdgeDX solutions proven in various environments.

Industrial & Construction Safety

Prevents accidents by detecting worker helmet compliance, dangerous area access, heavy equipment proximity, and falls in real-time.

 Danger Detection

 PPE Monitoring

 Worker Fall Detection

Retail & Store Management

Optimizes store operations and provides marketing insights through visitor counting, heatmap analysis, and queue management.

 Store Congestion

 Dwell Time Analysis

 VIP/Blacklist Mgmt

Smart City & Traffic

Builds urban safety nets through traffic flow analysis, pedestrian safety detection, illegal parking enforcement, and crosswalk alerts.

 LPR

 Traffic Analysis

 Pedestrian Safety

Public Safety & Security

Supports immediate security response by detecting perimeter intrusion, loitering, and violence in major facilities.

 Virtual Fence

 Violence/Loitering

 Early Fire Detection

[Click For Details](#)

60+ On-Premise AI Apps and more

Multiple AI apps can run simultaneously on a channel

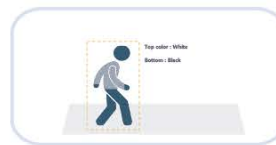
Basic



Dynamic Privacy Masking



Dynamic Face Masking



Basic Attribute



Queue Management



Heatmap



License Plate Masking



Intrusion Detection



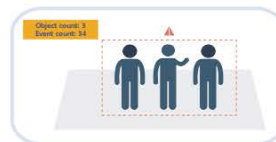
Loitering Detection



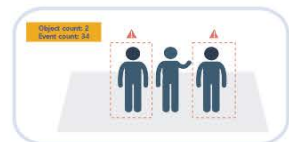
People Counting



Vehicle Counting



Zone Counting



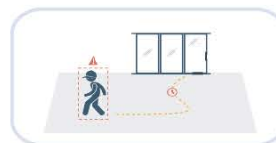
Multi Zone Counting



Virtual Fence



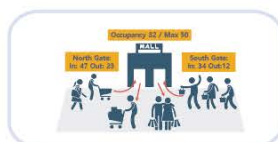
Stopping Detection



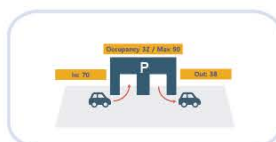
Stay & Go



Enter/Exit Detection



Occupancy Counting



Occupancy Car Counting

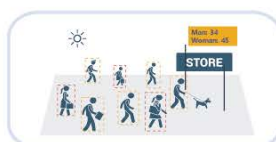


Speed Anomaly Detection

Advanced



Crowd Detection



Advanced Visitor Analysis



Hand & Foot Intrusion



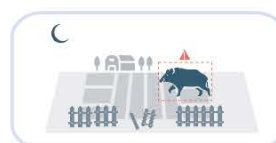
Intentional Body Gaze Detector



Imminent Threat



Fallen Person Detection



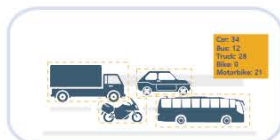
Animal Detection



Fire & Smoke Detection

60+ On-Premise AI Apps and more

Advanced



Vehicle Type Counting



Vehicle Type Detection

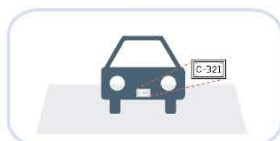


Thermal Intrusion Detection



Advanced Attribute

Extra



License Plate Recognition



Advanced Heatmap



No PPE



Illegal Dumping



Aggressive Detection



PTZ Tracking



Forklift Detection



Forklift Non-Driver Detection



Forklift No Helmet



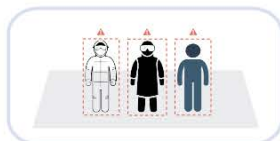
Work Vehicle Hazard Detection



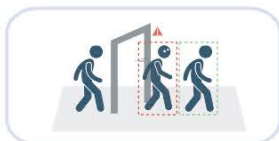
Staff Exclusion People Counting



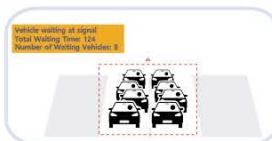
Bullying Detection



Dust-Proof Clothing Detection



Tailgating



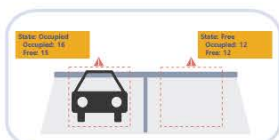
Vehicle Queue Management



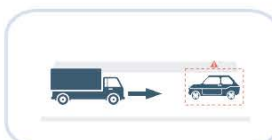
Covered Face Detection



Human Prolonged Stay



Vehicle Zone Presence



Reverse Movement Detection



Road Pedestrian Detection



No Mask



Object Location Tracking

+ and more
Hybrid AI Boost AI Apps

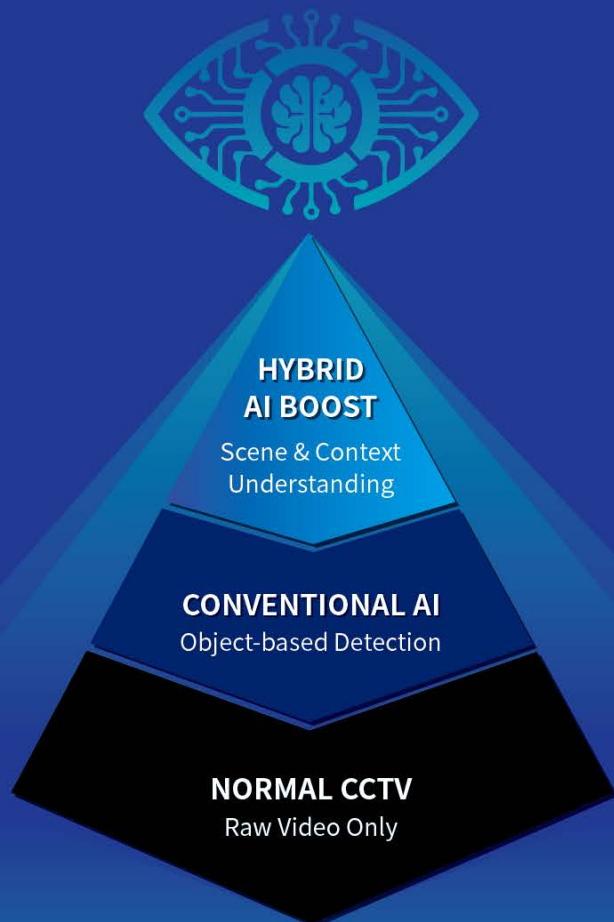
Hybrid AI Boost

Beyond Object Detection to Human-like Context Insight

EdgeDX's high-performance edge algorithms and dedicated EdgeDX helper server-based hybrid technology set a new standard for real-time situational awareness beyond physical limits.

Intelligence for Situational Context, Hybrid AI Boost

The peak of intelligence that understands context beyond simple object vision.



Intelligence Hierarchy

Combining 99% real-time edge processing with 1% Cloud based EdgeDX helper server knowledge to achieve human-level contextual awareness.

99% Real-time Edge

Real-time Edge Processing

Instant on-device detection and basic filtering with zero latency.

1% Contextual Helper Server

Intelligent Situational Awareness

When ambiguity arises, Helper server insights provide human-like situational context and judgment.

Hybrid AI Boost Apps

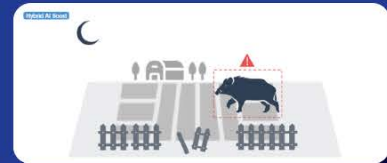
[Click For Details](#)



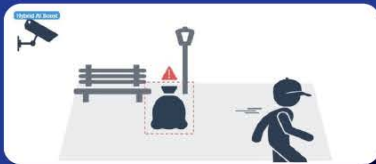
Gun Detection



Phone-Walking Detection



Animal Detection+



Illegal Dumping+



Unsafe Lifting



Spill Detection



Bear Detection



Fire & Smoke Detection+



Imminent Threat+



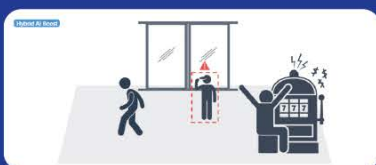
Helmet Not Wearing



Fallen Person Detection+



Out of Uniform



Under-Age Detection



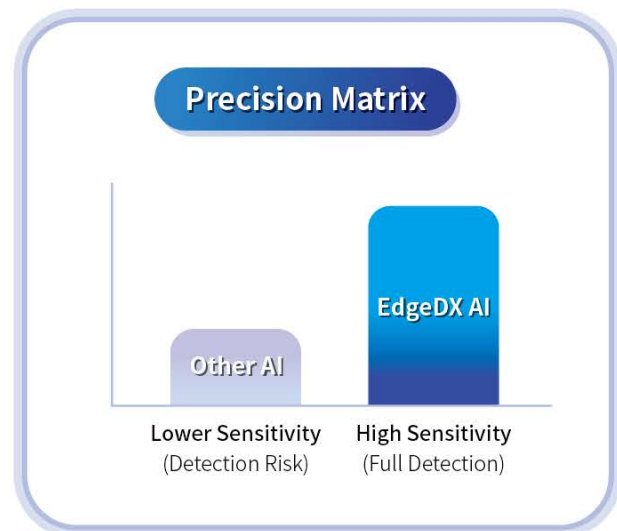
Aggressive Detection+



CloseCam Covered Face

Maximized Detection & Precise False Alarm Filtering

High sensitivity detection is essential for accident prevention. While others lower sensitivity to avoid false alarms, EdgeDX maintains peak sensitivity and eliminates false alarms with a 9-step filter.



Real-world Scenarios

Waste Incinerator

99% Fire False Alarm Reduction

Distinguishes between scattered dust and actual smoke using situational analysis.

Secure Zone Access

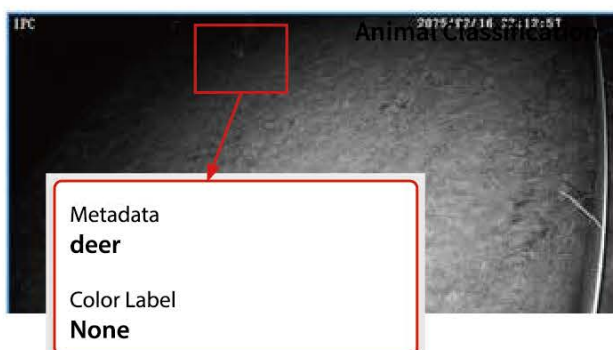
Instant Minor Entry Detection

Uses clothing, physical proportions, and companion relationships to identify minors beyond face analysis.

Retail Theft Prevention

Real-time Behavior Recognition

Detects complex indoor situations like theft or loitering just like a human guard.



Precise object analysis in even the most challenging environments.

Object classified as a 'Deer'



EdgeDX Solutions & Applications

AI Bridge Series


[Click For Details](#)


AIB-TE1-04 (4CH)

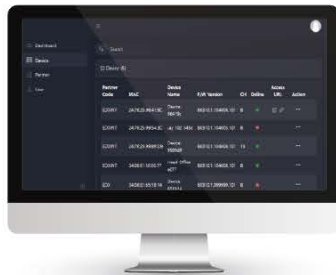


AIB(L)-TS2-8 (8/16CH)

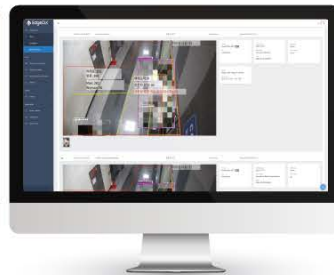


AIB(L)-TS3-16 (16CH) (5G, GPS)

Management software suite



Device Portal



Alarm Console



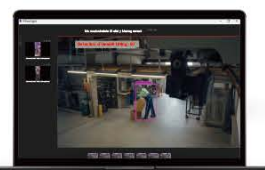
Industrial Safety Statistics



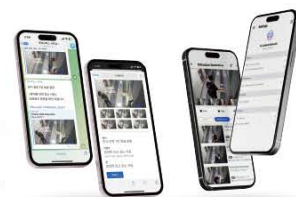
Dashboard



Remote Device Management



Event Agent



SNS Messenger Mobile Viewer

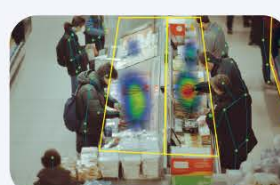
Sector Solutions



Perimeter Security



Retail



Business Intelligence



Intelligent Traffic System



Public Safety



Hospital



Smart Building



Construction

AI Apps

Basic

- Dynamic Privacy Masking
- Dynamic Face Masking
- Basic Attribute (Color of Clothes)
- Queue Management
- Heatmap
- License Plate Masking
- Intrusion Detection
- Loitering Detection
- People Counting
- Vehicle Counting
- Zone Counting
- Multi-Zone Counting
- Virtual Fence
- Stopping Detection
- Stay & Go
- Enter/Exit Detection
- Occupancy Counting
- Occupancy Car Counting
- Speed Anomaly Detection

Hybrid AI Boost

- Gun Detection
- Illegal Dumping +
- Bear Detection
- Helmet Not Worn
- Under-age Detection
- Phone-walking Detection
- Unsafe Lifting
- Fire & Smoke Detection +
- Fallen Person Detection +
- Aggressive Detection +
- Animal Detection +
- Spill Detection
- Imminent Threat +
- Out of Uniform
- CloseCam Covered Face

Advanced

- Crowd Detection
- Advanced Visitor Analysis (Gender)
- Hand & Foot Intrusion
- Intentional Body Gaze Detector
- Imminent threat
- Fallen Person Detection
- Animal Detection
- Fire & Smoke Detection
- Vehicle Type Counting
- Vehicle Type Detection
- Thermal Intrusion Detection
- Advanced Attributes

Extra

- LPR - US, Europe, JP, KR
- Advanced Heatmap
- No PPE
- Illegal Dumping
- Aggressive Detection
- PTZ Tracking
- Forklift Detection
- Forklift Non-Driver Detection
- Forklift No Helmet
- Work Vehicle Hazard Detection
- Staff Exclusion People Counting
- Bullying Detection
- Dust-proof Clothing Detection
- Tailgating
- Vehicle Queue Management
- Covered Face Detection
- Human Prolonged Stay
- Vehicle Zone Presence
- Reverse Movement Detection
- Road Pedestrian Detection
- No Mask
- Object Location Tracking

Management software suite

Cloud based Application Service



Dashboard



Alarm Console

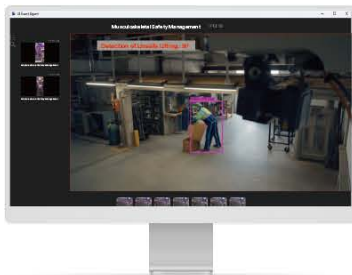


Data Visualization

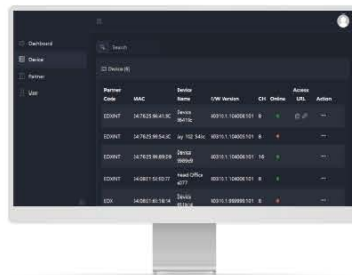


Device Management & Health Check

Event Agent for Desktop



Device Management Portal

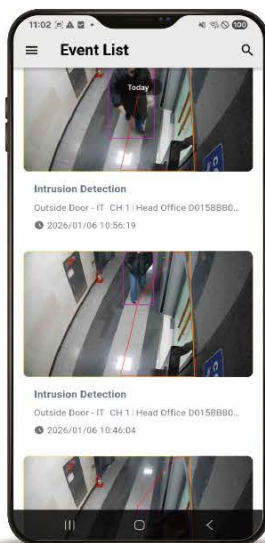


SNS Messenger Service

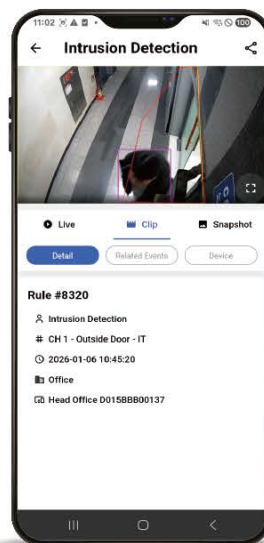


Multiple devices manager

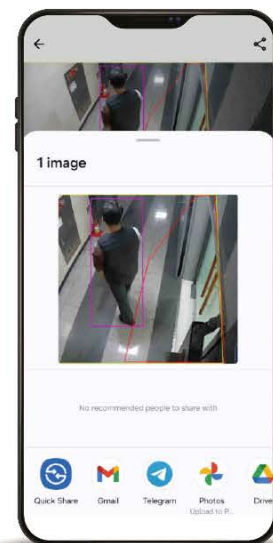
Mobile Viewer



Event Lists



Live/Playback/Actions

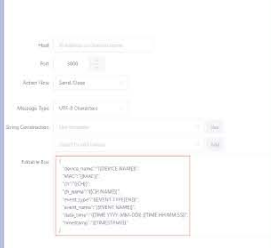


Share Screenshots

Integration Methods

Customizable Event Transmission via Network & Serial Interfaces

- Users can customize event messages without coding through an editable UI
- Supports HTTP, TCP, MQTT, SMTP, FTP, RS232/485



Proprietary Integration

- Full support through plug-ins for major VMS & Alarm Monitoring Systems



REST API

- Various web
- Any legacy places
- Any devices



ONVIF®

- Annotated video streaming
- Event metadata
- Interoperability with VMS

Supports Proprietary Recording

- M.2 NVMe SSD up to 4TB



Customizable Event Transmission via Network

HTTP, TCP, SMTP, FTP, MQTT etc. Seamless integration without customization.

Provided Templates and tokens, users can easily send metadata, snapshots, and videos to a receiving server.

Protocol selection

Action Settings

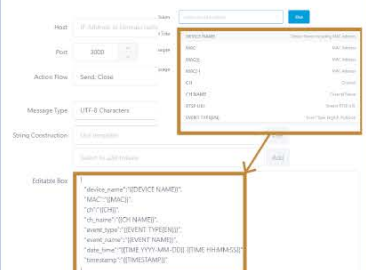
Action Type:

Action Protocol Name:

- HTTP
- MQTT-Plugin
- FTP
- Smtp(SMTP)
- AWS S3
- TCP

Editing Messages

Using Tokens for edition



Messages

```

"device_name":"{DEVICE NAME}",
"mac":"{MAC}",
"ip":"{IP}",
"hostname":"{HOST NAME}",
"alarm_type":"{EVENT TYPE(SNAP)",
"alarm_name":"{EVENT NAME}",
"date_time":"{TIME YYYY-MM-DD} {TIME HH:MM:SS}",
"timestamp":"{TIMESTAMP}"

```

Adding Snapshots and Video

Attach Snapshot ☒

Snapshot Time Range: -3 ~ 2 seconds

Attach Video Clip ☐

Video Clip Time Range: 4 ~ 7 seconds

Specifications

AIB-TS3-16

16-channel
Full 16CH mode



Event Action	System Events	Tamper Detection, Alarm In, Virtual Alarm In, Video Loss / Recovery, Disarm, Recurrence, Login, System Start
	Action Handlers	HTTP, TCP, FTP, E-mail, S3, VMS, Onvif, Audio Back Channel (Camera speaker)
	Pre/Post snapshot	Yes
	Annotated Video Stream	Yes
	Annotated Video Stream	Yes
Video	Max. Video Input resolution	4K @ 120 fps (2M @ 480 fps)
	Video Input Method	RTSP, RTSP over HTTP/S, Onvif
	Supported Input Video Format	H.265 / H.264
	Video Output Stream Method	RTSP over TCP/UDP, RTSP over Websocket, RTSP over HTTP/S, HLS
	Recording(Video, Snapshot)	2x M.2 M-Key Slot (for M.2 2280 NVMe SSD with optional)
Audio	Audio Input	1 x Audio Line-In, (10KOhm, 1Vrms), (3.5mm audio phone jack)
	Audio Output	1 x Audio Line-Out, (600Ohm, 1Vrms), (3.5mm audio phone jack)
Interface	USB	1 x USB3.0
	RS-485	1 x RS-485 (Full-duplex 4line T/B)
	RS-232	1 x RS-232 (D-SUB9)
	Wiegand	1ch input / 1ch output
	LAN	2 x 10/100/1000 BASE-T Ethernet (LAN1/LAN2)
	Mini PCIe Slot(LTE, GPS module)	1x Mini-PCIe (for LTE-cat4 / GPS(GNSS) Modem module (OPTION))
	SIM Slot	1x micro SIM Slot (OPTION)
	Antenna	2x 50Ω SMA Female for Main Antennas (OPTION) 1x 50Ω SMA Female for GPS(GNSS) Antenna (OPTION)
Alarm I/O	Alarm Input	4CH, DI(0-30V Input), Pulled up to 5V via 10KOhm
	Relay Output	4CH, Dry contact Relay(30VDC), NO/COM/NC(Terminal Block)
ETC	Watchdog	Yes
	RTC	Yes
	Fan-less(No fan)	No FAN
	Factory Reset Button	Yes
	LED Indicators	1 x PWR LED (3 Color) / 1 x Status LED (3 Color) 1 x ALARM IN LED (3 Color) / 1 x ALARM OUT LED (3 Color)
Power	Power Supply	12V/3.3A adaptor DC +9 ~ +36V (DC Input Voltage)
	Power consumption	19 Watts
Environment	Temperature/Humidity	-30°C~70°C(-22°F~158°F)/10~90% NC(Without NVMe SSD) -20°C~60°C(-4°F~140°F)/10~90% NC(With commercial NVMe SSD)
Chassis	Dimension (WxDxH)	213.6 x 175.8 x 60 mm (8.41" x 6.92" x 2.36")
	Weight (Net/Gross)	1.5 / 2.2 Kg (3.31 / 4.85 lbs)
Certification		CE, UKCA, FCC, KC, KISA AI Certification

AIB(L)-TS2-08

8-channel
16-channel extension mode support (For monitoring)

AIB-TE1-04

4-channel
-

Event Action	System Events	Tamper Detection, Alarm In, Virtual Alarm In, Video Loss / Recovery, Disarm, Recurrence, Login, System Start	Tamper Detection, Alarm In, Virtual Alarm In, Video Loss / Recovery, Disarm, Recurrence, Login, System Start
	Action Handlers	HTTP, TCP, FTP, E-mail, S3, VMS, Onvif, Audio Back Channel (Camera speaker)	HTTP, TCP, FTP, E-mail, S3, VMS, Onvif, Audio Back Channel (Camera speaker)
	Pre/Post snapshot	Yes	Yes
	Annotated Video Stream	Yes	Yes
	Annotated Video Stream	Yes	Yes
Video	Max. Video Input resolution	4K @ 60 fps (2M @ 240 fps)	4K @ 30 fps (2M @ 120 fps)
	Video Input Method	RTSP, RTSP over HTTP/S, Onvif	RTSP, RTSP over HTTP/S, Onvif
	Supported Input Video Format	H.265 / H.264	H.265 / H.264
	Video Output Stream Method	RTSP over TCP/UDP, RTSP over Websocket, RTSP over HTTP/S, HLS	RTSP over TCP/UDP, RTSP over Websocket, RTSP over HTTP/S, HLS
	Recording(Video, Snapshot)	1x M.2 M-Key Slot (for M.2 2280 NVMe SSD with optional)	1x M.2 M-Key Slot (for M.2 2280 NVMe SSD with optional)
Audio	Audio Input	1 x Audio Line-In, (10KOhm, 1Vrms), (3.5mm audio phone jack)	1 x Audio Line-In, (10KOhm, 1Vrms), (3.5mm audio phone jack)
	Audio Output	1 x Audio Line-Out, (6000Ohm, 1Vrms), (3.5mm audio phone jack)	1 x Audio Line-Out, (6000Ohm, 1Vrms), (3.5mm audio phone jack)
Interface	USB	1 x USB3.0	1x USB2.0
	RS-485	1 x RS-485 (Full-duplex 4line T/B)	-
	RS-232	1 x RS-232 (D-SUB9)	-
	Wiegand	1ch input / 1ch output	-
	LAN	2 x 10/100/1000 BASE-T Ethernet (LAN1/LAN2)	2 x RJ-45 10/100 BASE-T Ethernet (LAN1/LAN2)
	Mini PCIe Slot(LTE, GPS module)	1x Mini-Pcie (for LTE-cat4 / GPS(GNSS) Modem module (OPTION))	-
	SIM Slot	1x micro SIM Slot (OPTION)	-
	Antenna	2x 50Ω SMA Female for Main Antennas (OPTION) 1x 50Ω SMA Female for GPS(GNSS) Antenna (OPTION)	-
Alarm I/O	Alarm Input	4CH, DI(0-30V Input), Pulled up to 5V via 10KOhm	4CH, DI(0-30V Input), Pulled up to 5V via 10KOhm
	Relay Output	4CH, Dry contact Relay(30VDC), NO/COM/NC(Terminal Block)	1CH, Dry contact Relay(30VDC), NO/COM/NC(Terminal Block)
ETC	Watchdog	Yes	Yes
	RTC	Yes	Yes
	Fan-less(No fan)	No FAN	No FAN
	Factory Reset Button	Yes	Yes
	LED Indicators	1 x PWR LED (3 Color) / 1 x Status LED (3 Color) 1 x ALARM IN LED (3 Color) / 1 x ALARM OUT LED (3 Color)	1 x PWR LED (3 Color) / 1 x Status LED (3 Color)
Power	Power Supply	12V/3.3A adaptor DC +9 ~ +36V (DC Input Voltage)	12V/3.3A adaptor DC +9 ~ +36V (DC Input Voltage)
	Power consumption	16 Watts	6 Watts
Environment	Temperature/Humidity	-30°C~-70°C(-22°F~-158°F)/10~90% NC(Without NVMe SSD) -20°C~60°C(-4°F~140°F)/10~90% NC(With commercial NVMe SSD)	-30°C~-70°C(-22°F~-158°F)/10~90% NC(Without NVMe SSD) -15°C~50°C(5°F~131°F)/10~90% NC(With commercial NVMe SSD)
Chassis	Dimension (WxDxH)	213.6 x 175.8 x 60 mm (8.41" x 6.92" x 2.36")	114 x 153 x 28 mm (4.49" x 6.02" x 1.10")
	Weight (Net/Gross)	1.5 / 2.2 Kg (3.31 / 4.85 lbs)	0.45 / 1.05 kg (0.99 / 2.31 lbs)
Certification		CE, UKCA, FCC, KC, KISA AI Certification	CE, UKCA, FCC, KC, KISA AI Certification

* KISA AI Certification: Official Korean Government-Affiliated AI Intelligent CCTV Performance Certification

Various Use Cases

Perimeter security & safeguard assets



Overview

We utilize AI video analysis to promote the safety and protection of residential buildings, government facilities, and critical infrastructure, enabling proactive management by detecting abnormal behavior and allowing for a proactive response from administrators to ensure the safety of the facilities and safeguard assets.

Benefits

- Real-time risk perception accident prevention through residential occupant protection
- Intrusion alarms
- Broadcasting warnings through IP camera microphone
- Effective management of critical assets
- Boundary management of specialized facilities like prisons

Efficient store management



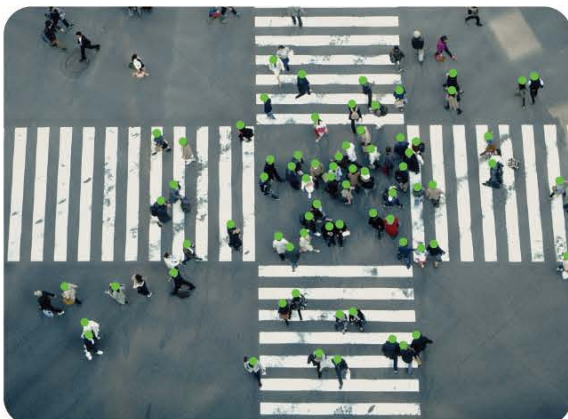
Overview

Our system provides more sophisticated heatmaps based on the specific interests of visiting customers, enabling precise analysis for efficient store management. It accurately tracks the number of customers entering the store, allowing for density adjustment and better resource allocation. It can identify unoccupied tables and establish restricted areas to prevent unauthorized access. Moreover, it captures the moment a customer enters the store, facilitating prompt customer assistance. Leveraging diverse analytical data, it enhances store management efficiency and optimizes product layout based on customer preferences.

Benefits

- Layout optimization based on enhanced heatmaps
- Density adjustment by monitoring the number of entering customers
- Prompt customer assistance through identification of unoccupied areas
- Enhanced security and prevention of intrusions
- Efficient resource allocation based on data insights

Public safety management



Overview

AI is highly effective in ensuring public safety through the management of crowd density, personnel control, establishment of secure zones, intrusion monitoring, detection of violence, and identifying instances of falling, among others. By utilizing AI technology, public safety measures can be enhanced and strengthened, allowing for proactive monitoring and rapid response to potential threats. The capabilities of AI enable the identification and classification of various safety-related incidents, facilitating the protection and well-being of individuals in public spaces.

Benefits

- Efficient crowd management
- Timely response to emergencies
- Minimized risks to public safety
- Establishment of safe zones
- Reduced accidents and injuries
- Prevention of unauthorized access
- Proactive monitoring of public spaces



Construction safety & incoming material management



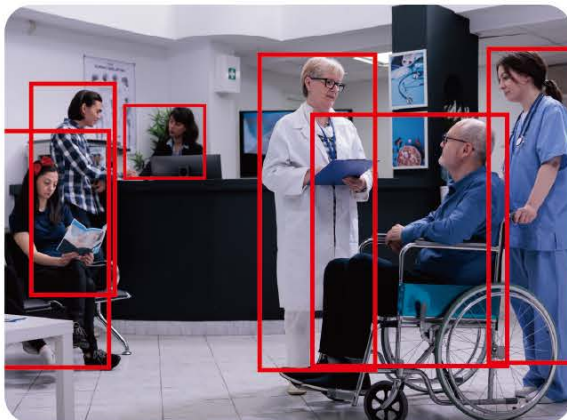
Overview

Implementing AI video analysis on construction sites can significantly enhance worker safety. Moreover, it enables more streamlined management of construction material delivery and inventory, fostering greater efficiency on-site.

Benefits

- Worker Safety
- Risk Mitigation
- Incident Response
- Inventory Management
- Regulatory Compliance
- Cost-saving effect on manpower for management

Retirement Homes and Assisted Living Facilities



Overview

AI video analysis enhances safety management in elderly care by addressing falls, wandering, intrusion, and violence. It promptly detects falls, monitors movements to prevent wandering, identifies unauthorized access, and detects signs of violence. This ensures a safer environment for elderly residents.

Benefits

- Immediate bed fall response
- Dementia patient management
- Emergency detection
- Fall prevention and assistance
- Enhanced security measures

Smart intersections and crosswalks



Overview

Integration with traffic management systems allows for safer intersection and crosswalk management through features such as left-turn vehicle volume control, lane-specific waiting vehicle control, pedestrian control on the crosswalk, detection of pedestrians on the crosswalk, and warning alerts or audio broadcasts through signal or audio broadcast systems. It also enables the detection of pedestrians and children in specific zones, enhancing overall safety and management of intersections and crosswalks.

Benefits

- Enhanced safety
- Efficient intersection management
- Improved pedestrian control
- Accurate detection of pedestrians
- Real-time warning alerts
- Specific zone detection (pedestrians, children) Optimal crosswalk management
- Advanced traffic monitoring
- Incident monitoring - stop, reverse, pedestrian
- Enable PTZ auto-tracking on event object with separated PTZ