



About the Speaker



Brian Denmeade, Field Application Engineer
Brian is our tech guru who knows security products
from the inside out. He started off as a technician
and is now our AI specialist.





Data Collection, Analysis, & Monitoring



Al systems require a large amount of data to learn from. Collecting diverse and relevant data related to security incidents, threats, and vulnerabilities is crucial.



Machine Learning and Training

Al models need to be trained using the collected data. Machine learning techniques, such as supervised or unsupervised learning, can be applied to train the Al models to recognize and classify different security events, behaviors, or indicators of compromise. The models can learn from historical data and adapt to new and emerging threats.



Automation and Response

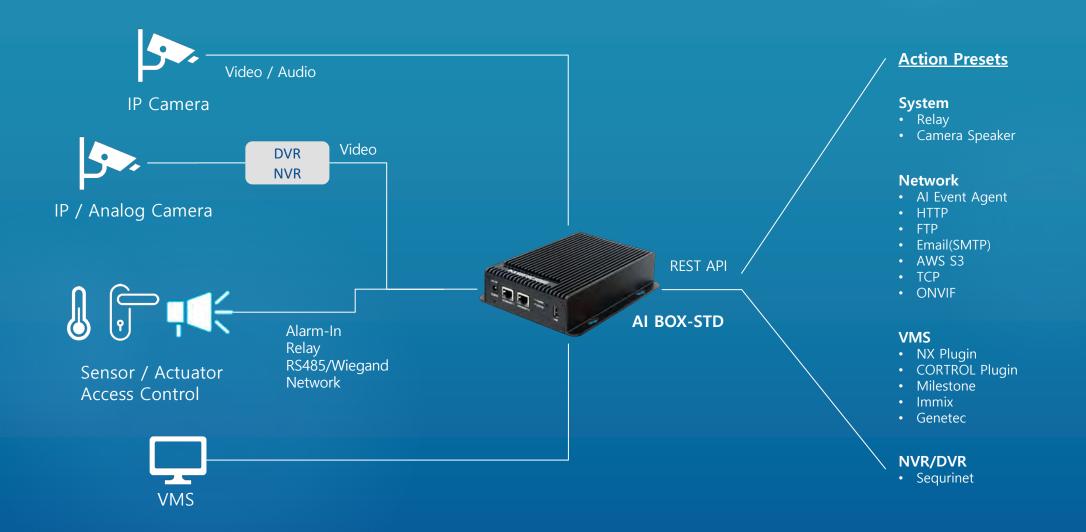
Al can automate various security processes, such as incident response, threat hunting, or vulnerability management. Al systems can autonomously investigate and respond to security incidents, reducing the time and effort required by human analysts.

Automated responses can include event notifications, access control lockdowns, or alerting security teams for further investigation.



Al BOX-STD The Next Generation of Al Convenience











Smart Building

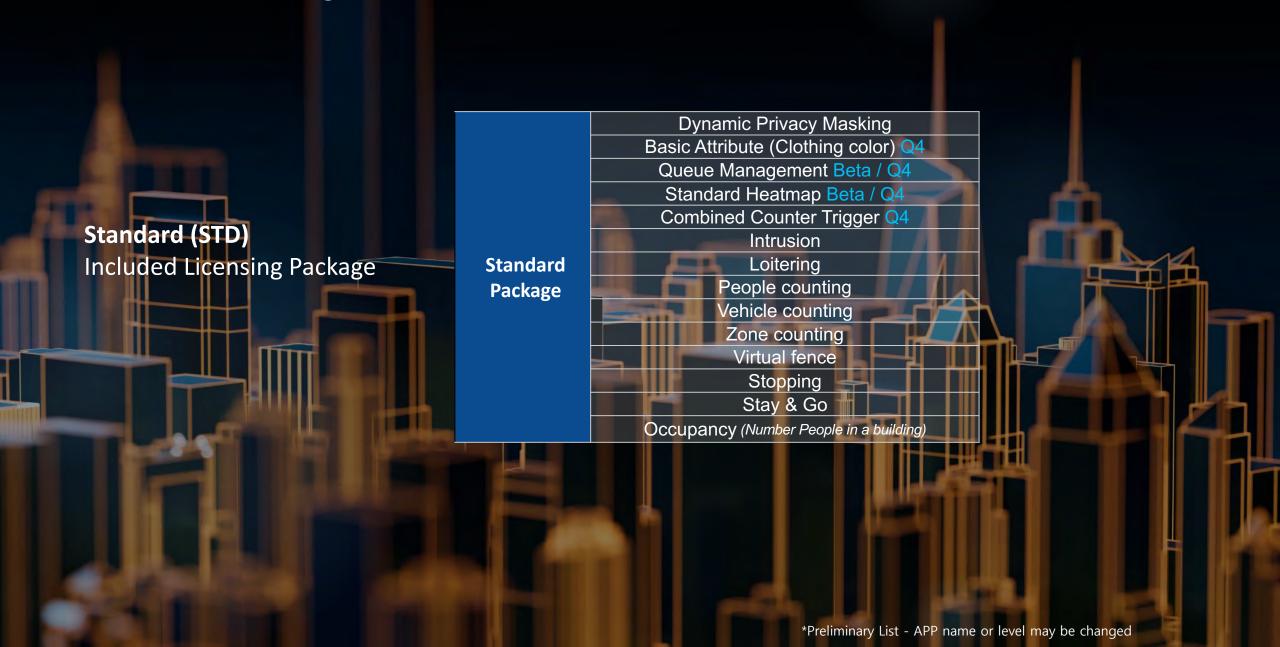


Smart Factory



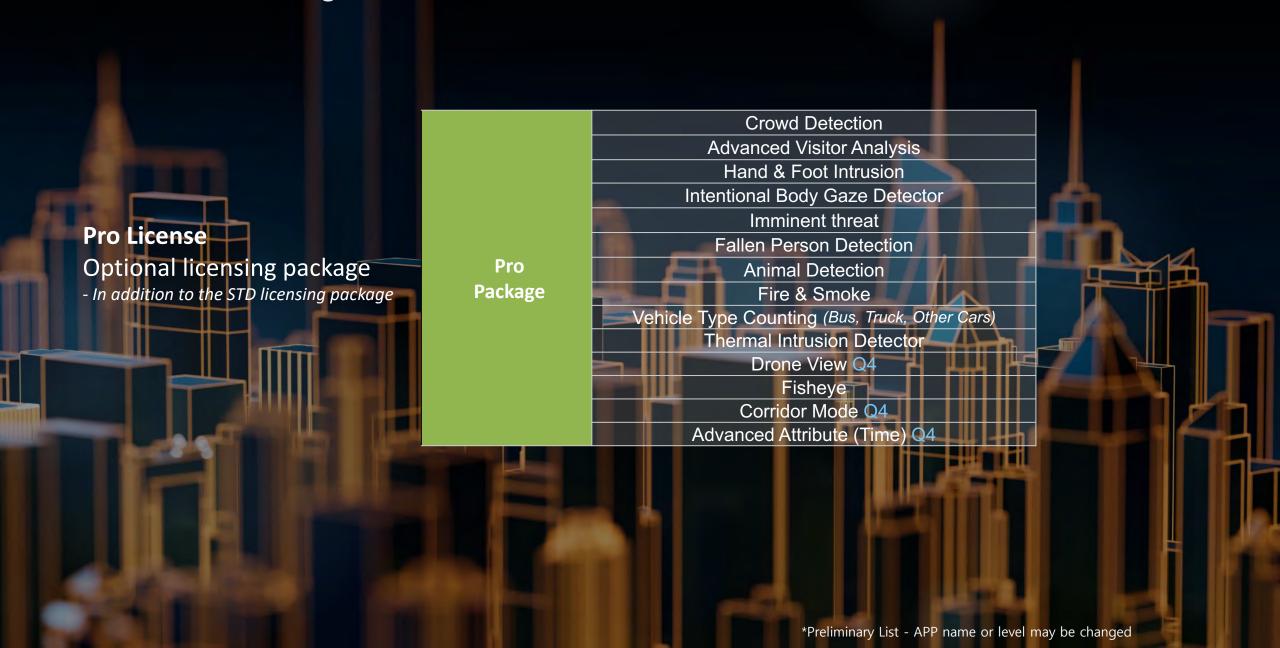
AI BOX-STD AI Algorithmic Licenses

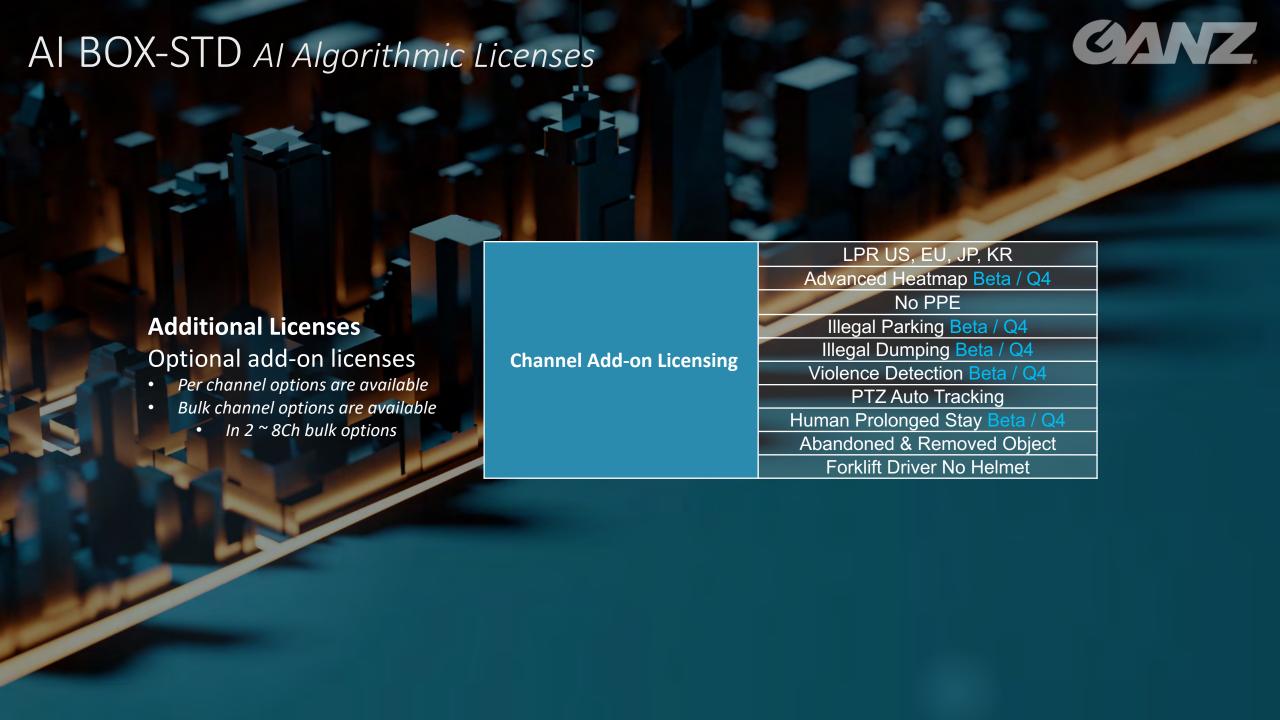




AI BOX-STD AI Algorithmic Licenses







AI BOX-STD 16 Channel extension mode Intrusion 16Ch extension mode Loitering Extends standard 8Ch's to 16Ch's Virtual Fence 16Ch extension mode incurred costs Stay & Go 16Ch available Al resources are halved Stopping Detection **AI Applications** Standard licensing is reduced Zone Counting Pro licensing is inaccessible Occupancy Counting

People Counting
Vehicle Counting

Add-on licensing is inaccessible

Alarm only (No video)

Al BOX-STD Cutting-edge Edge Al Technology





Highly-accurate object-tracking technology



High-performance pose estimation technology



Reduce false alarms through automatic scene understanding



Multi-faceted, multi-level analysis of detected objects and video

Al BOX-STD Multi-level Analysis of Detected Objects & Video



- ✓ Analyze video in detail from the top-down
- ✓ Multi-level detailed analysis of detected objects
- ✓ Multiple AI & vision algorithms can be performed simultaneously on each channel



Car detection + LPR + Car attributes

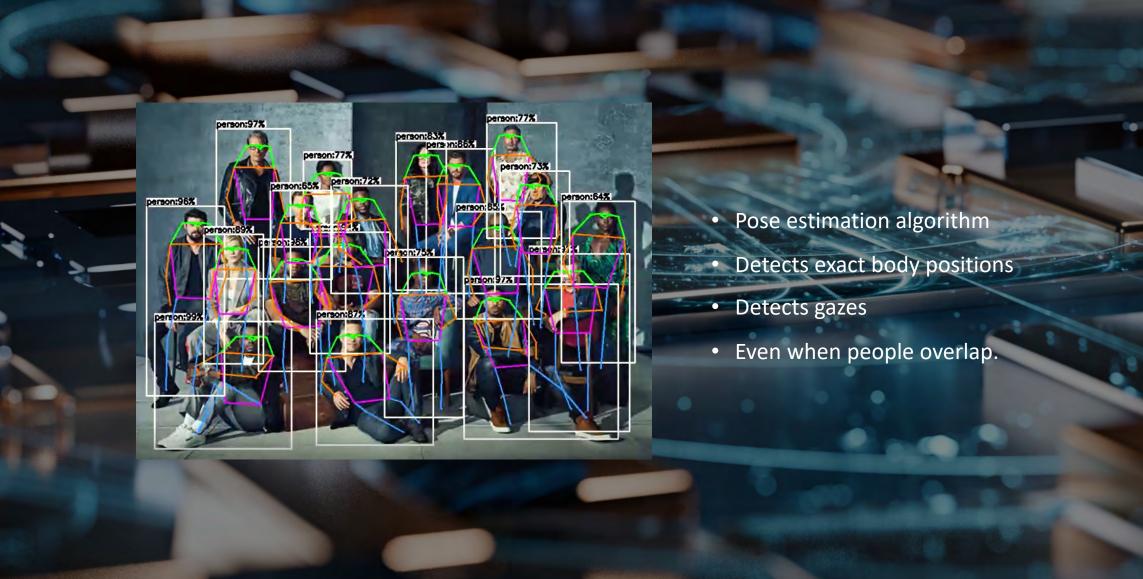
- ✓ Object Detection & Tracking
 - ✓ Pose Estimation
 - ✓ Scene Understanding
 - ✓ Active Privacy Masking
 - ✓ Tamper Detection
 - ✓ Time series event data analysis



Human detection + Human attributes + Privacy masking

Al BOX-STD High-Performance Multi-person Pose Estimation





Al BOX-STD High-Performance Multi-person Pose Estimation



- Pose estimation algorithm
- Detects exact body positions
- Detects gazes
- Even when people overlap.



Al BOX-STD High-Performance Multi-person Pose Estimation



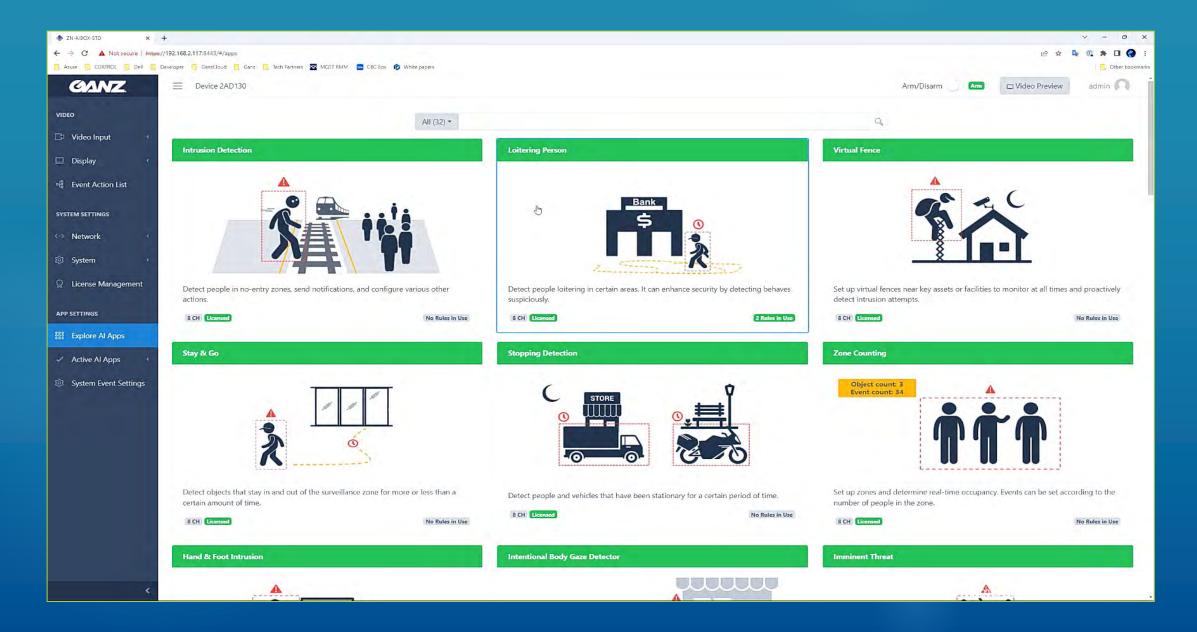


- Pose estimation algorithm
- Detects exact body positions
- Detects gazes
- Even when people overlap.



Al BOX-STD Intuitive & Easy-to-use Al Applications





Al BOX-STD Highly-Accurate Object-Tracking Technology





Al BOX-STD Reduce false alarms through automatic scene understanding



- False alarms may occur when an object that looks like a person is changed by light or wind
- The AI BOX-STD can filter false alarms by observing and understanding the scene



PAST (48 false alerts)

AI BOX-STD (0 false alerts)

Al BOX-STD Al Based Applications Verticals





Meet the Verticals & the AI Applications that serve them

- Security Management
- Retail Management
- Construction Site Management

Al BOX-STD Security Management



Intrusion Detection



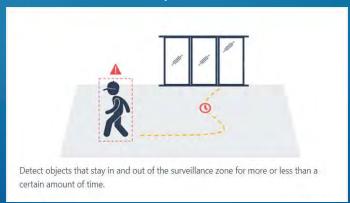
Loitering Person



Virtual Fence



Stay & Go



Stopping Detection



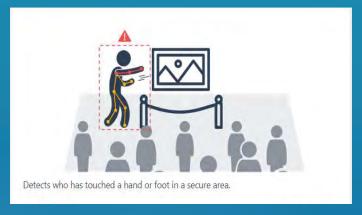
Zone Counting



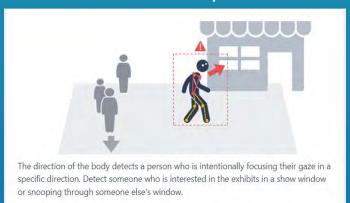
AI BOX-STD Security Management



Hand & Foot Intrusion



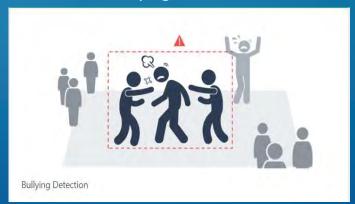
Intentional Body Gaze



Imminent Threat



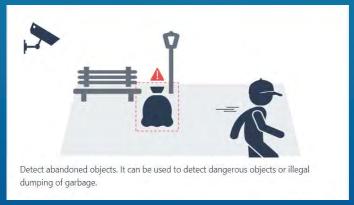
Bullying Detection



Violence Detection



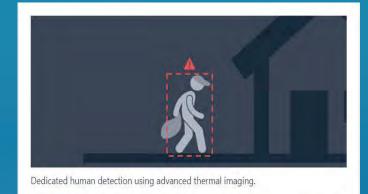
Illegal Dumping



AI BOX-STD Security Management



Thermal Intrusion Detection



Animal Detection



Vehicle Counting



Dynamic Privacy Masking



Illegal Parking



Human Prolonged Stay



Al BOX-STD Security Management



LPR-US



LPR-EU



generate events such as match/mismatch. For European license plate recognition only.

LPR-JP



LPR-KR



AI BOX-STD Retail Management



Intrusion Detection



Loitering Person



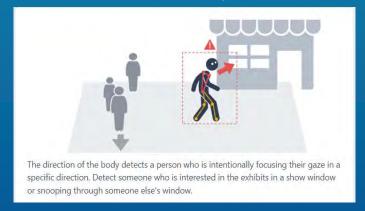
Zone Counting



Hand & Foot Intrusion



Intentional Body Gaze



Imminent Threat



AI BOX-STD Retail Management



Occupancy Counting



People Counting



Dynamic Privacy Masking



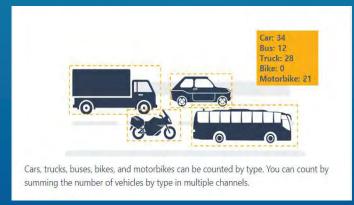
Vehicle Counting



Advanced Visitor Analysis



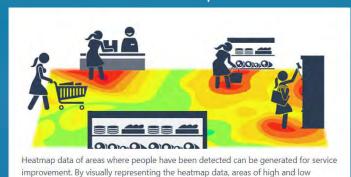
Vehicle Type Counting



AI BOX-STD Retail Management



Heatmap



activity can be emphasized.

Queue Management



Crowd Detection



Set a zone from the camera image and understand the congestion level and frequency of the zone.

Al BOX-STD Construction Site Management



Intrusion Detection



No PPE



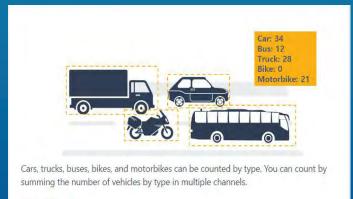
Fallen Person Detection



Loitering Person



Vehicle Type Counting



Crowd Detection



Set a zone from the camera image and understand the congestion level and frequency of the zone.

