

SMART SURVEILLANCE MADE SIMPLE:

How to Integrate AI & Analytics into Your Current System

*Please turn off your video, open your
chat, and ask any questions in the chat*



ABOUT THE SPEAKER



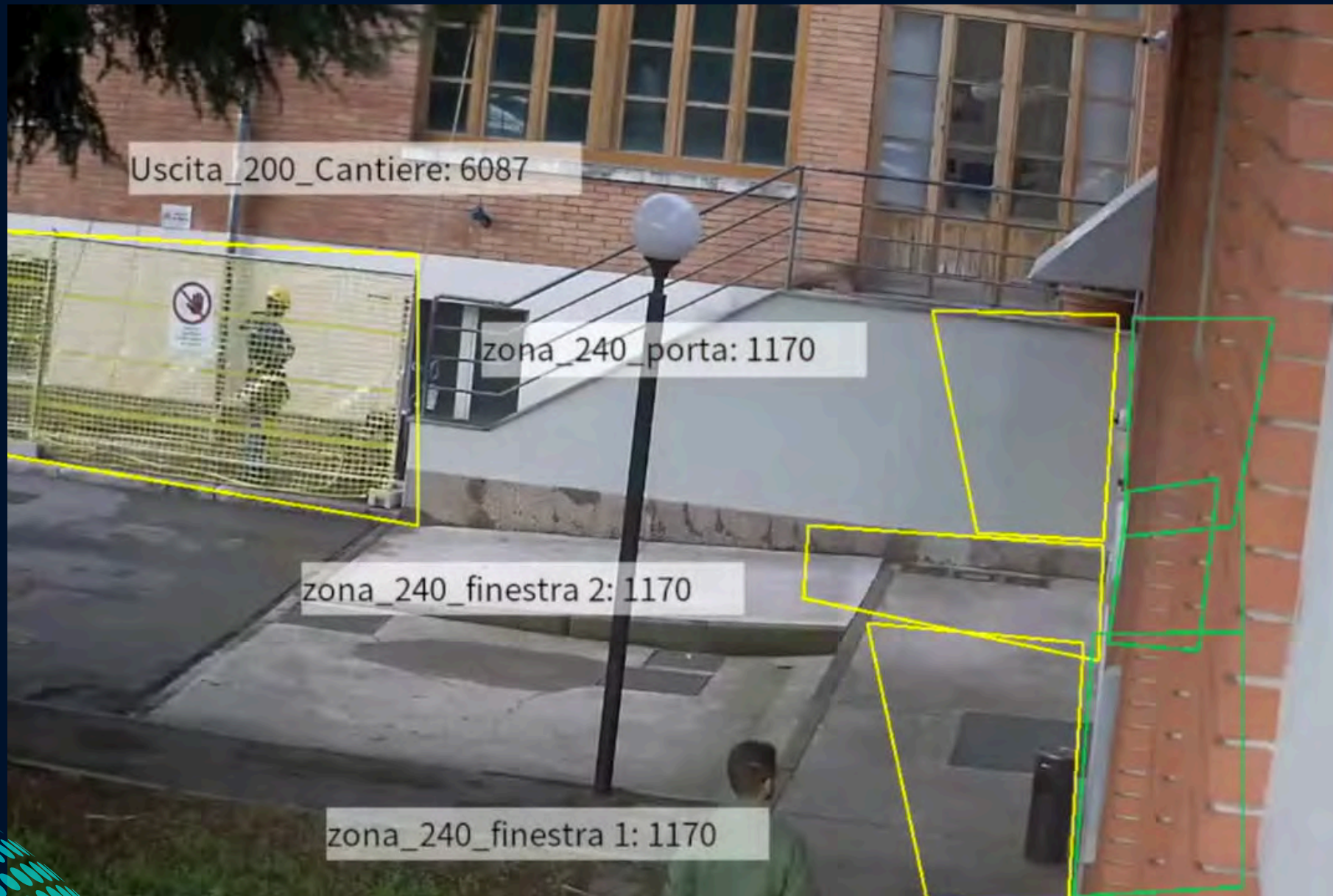
**WILLIAM GODOY,
FIELD APPLICATIONS ENGINEER**

William is the field applications engineer at CBC America, having spent nearly 11 years in the role.

He specializes in designing and implementing security systems for various enterprises, drawing on his background in IT management.

Godoy's education includes a Master's in Project Management and a Bachelor's degree in Networking and Communication Management, complemented by certifications in aviation.

BENEFITS OF ADDING AI TO YOUR SYSTEM



- Enhanced Threat Detection
- Improved Response Times
- Increased Efficiency
- Behavioral Analysis
- Data Processing and Management
- Continuous Learning and Improvement

ENHANCED THREAT DETECTION

Real-Time Analysis:

AI can process vast amounts of data in real-time, identifying potential threats as they occur rather than after the fact.

Anomaly Detection:

Machine learning algorithms can learn typical patterns of behavior and flag deviations that may indicate security breaches or suspicious activity.

IMPROVED RESPONSE TIMES



Automated Alerts

AI can automatically trigger a response and alert security personnel to potential threats, allowing for quicker response than human monitoring alone.

Predictive Analytics

By analyzing historical data, AI can predict future threats and inform proactive measures, thereby reducing response times.

● INCREASED EFFICIENCY

Resource Allocation

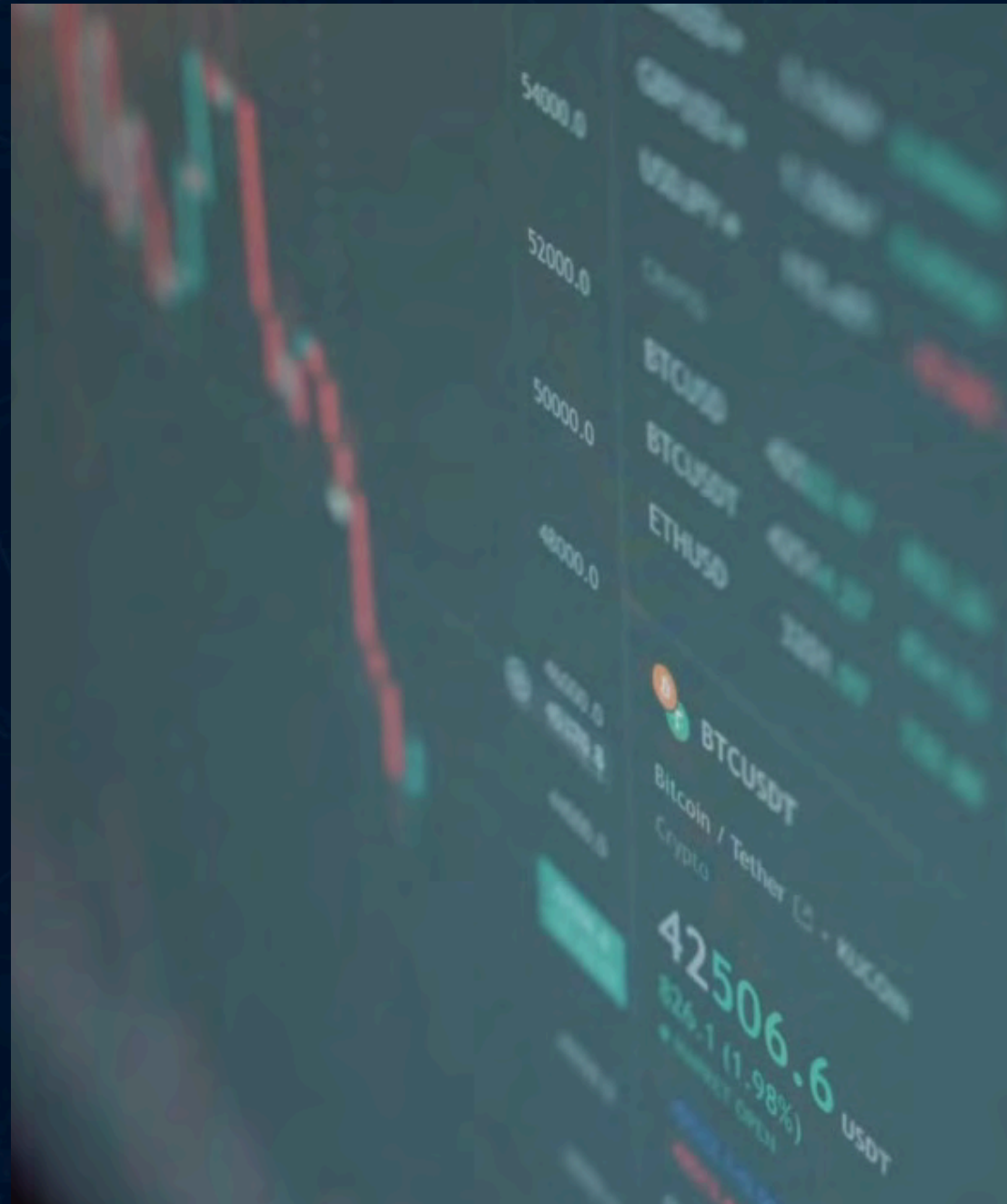
AI can help optimize resource allocation by identifying areas most at risk and ensuring that security personnel are deployed where they're needed most.

Reduction of False Alarms

AI systems can significantly lower false positives, ensuring that security teams focus their attention on genuine threats rather than being distracted by unnecessary alerts.



DATA PROCESSING & MANAGEMENT



Integration with IoT Devices

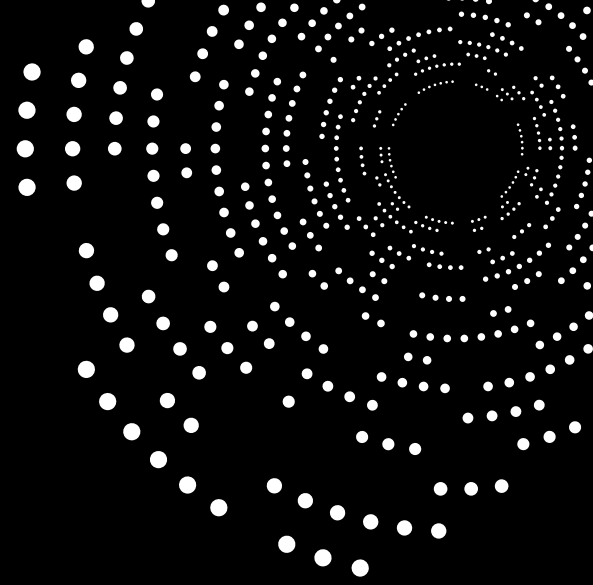
AI can work with IoT devices to gather and process data from various sources, providing a comprehensive view of security status.

Enhanced Surveillance

Automated video analytics can recognize faces, track movements, and identify objects, making surveillance systems much more effective.



COST REDUCTION



Lower Operational Costs

By automating routine surveillance and threat assessment tasks, organizations can reduce the need for extensive human monitoring, leading to significant cost savings.

Scalability

AI-driven security solutions can scale more easily in response to increased data volumes or security needs without proportional increases in resources



CONTINUOUS LEARNING & IMPROVEMENT

Adaptive Learning

AI systems can continuously learn and improve based on new data and experiences, making security protocols increasingly effective over time.

Threat Intelligence

AI can aggregate intelligence from various sources to stay updated on the latest threats and vulnerabilities, helping to secure systems preemptively.



INTELLIGENT DEEP-LEARNING AI ENGINE



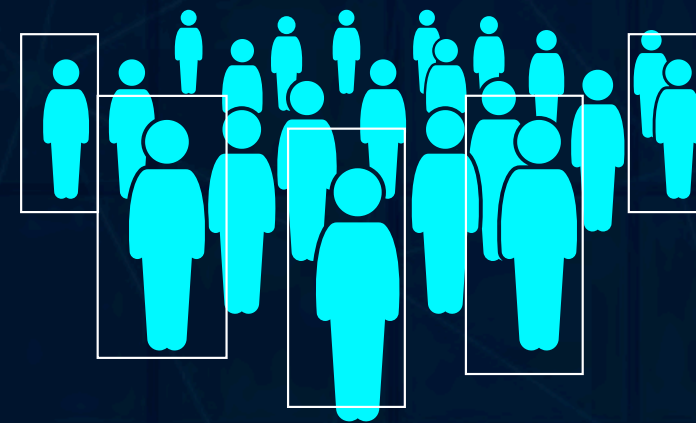
AI BOX



GANZ

ENHANCING SAFETY & SECURITY

CROWD DETECTION



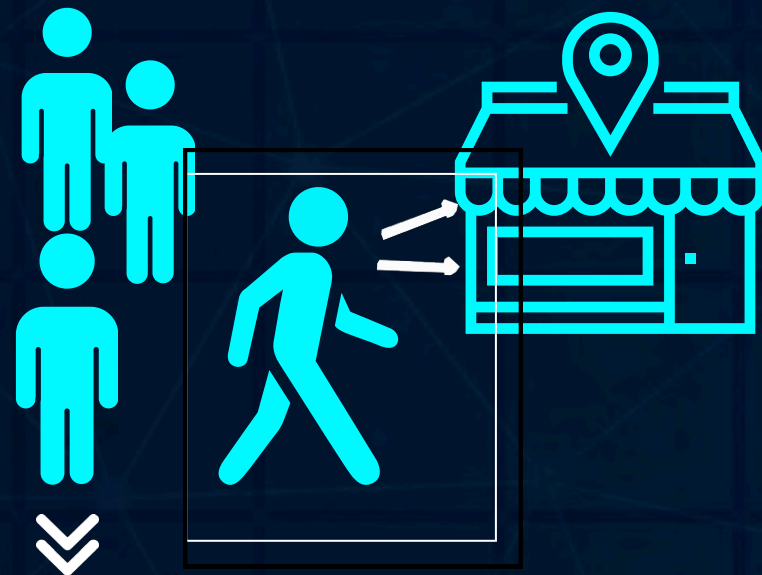
HUMAN DETECTION



ANIMAL DETECTION



BODY GAZE



HAND AND FOOT INTRUSION



GANZ

● INTUITIVE: EASY TO SETUP

The screenshot displays the GANZ AI application interface, which is designed for easy setup and management of security systems. The interface is divided into several sections:

- Left Sidebar:** Contains navigation options such as VIDEO, Video Input, Display, Event Action List, SYSTEM SETTINGS (Network, System, License Management), and APP SETTINGS (Explore AI Apps, Active AI Apps, System Event Settings).
- Top Bar:** Shows the user's name (Amy/Diana), a status indicator (Online), and a Video Preview button.
- Main Content Area:** Displays a grid of six AI application cards, each with a title, an illustration, a description, and a status indicator (ON/OFF and License status).

The six AI applications shown are:

- Intrusion Detection:** Detect people in no-entry zones, send notifications, and configure various other actions. (ON, License: 1 Month to Use)
- Littering Person:** Detect people littering in certain areas. It can enhance security by detecting behavior suspiciously. (ON, License: 1 Month to Use)
- Virtual Fence:** Set up virtual fences near key assets or facilities to monitor at all times and proactively detect intrusion attempts. (ON, License: 1 Month to Use)
- Stay & Go:** Detect objects that stay in a certain area for more than a certain amount of time. (ON, License: 1 Month to Use)
- Stopping Detection:** Detect people and vehicles that have been stationary for a certain period of time. (ON, License: 1 Month to Use)
- Zone Counting:** Set up zones and determine real-time occupancy. Events can be set according to the number of people in the zone. (ON, License: 1 Month to Use)

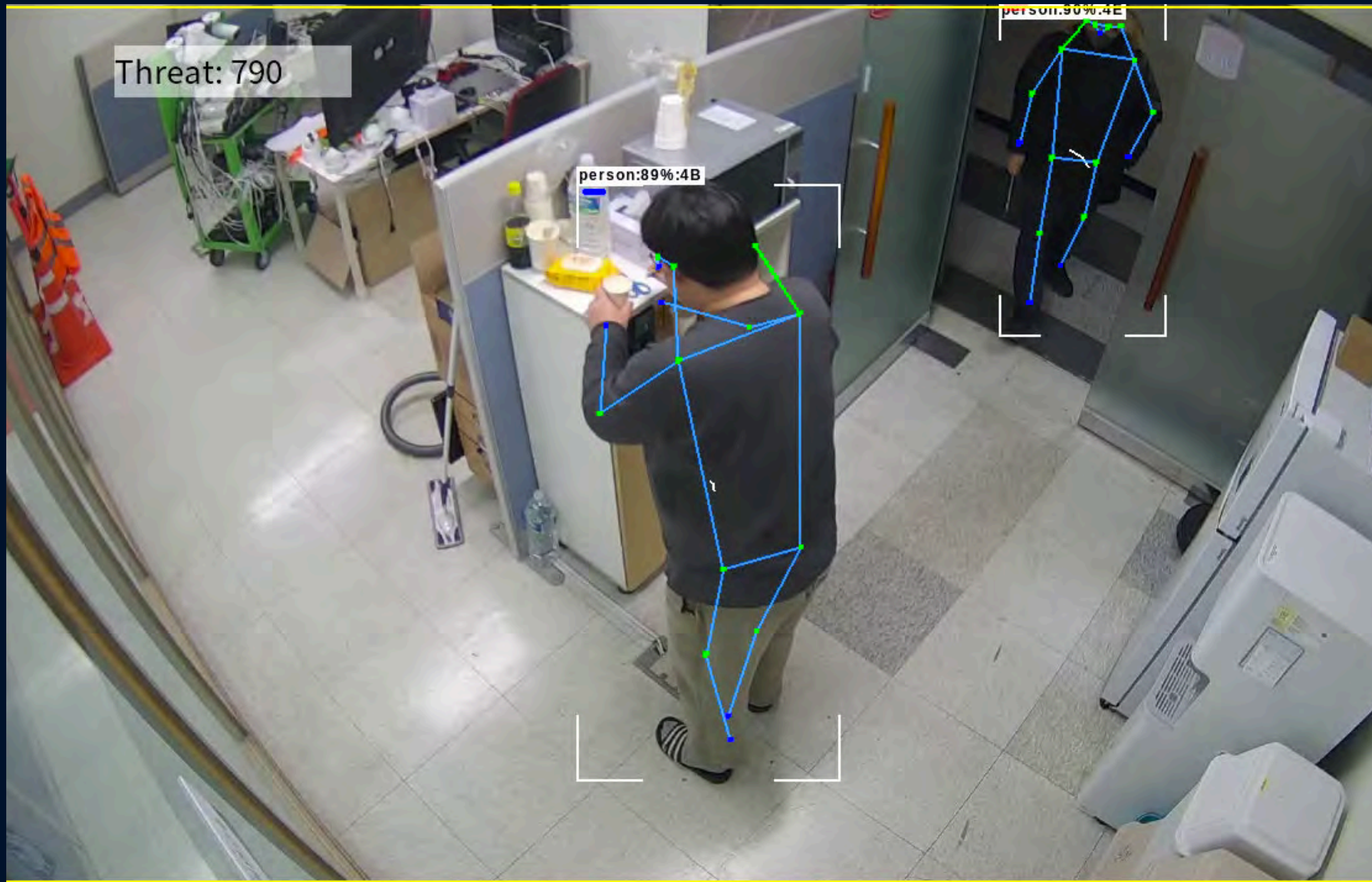
AI BOX DEPLOYMENTS



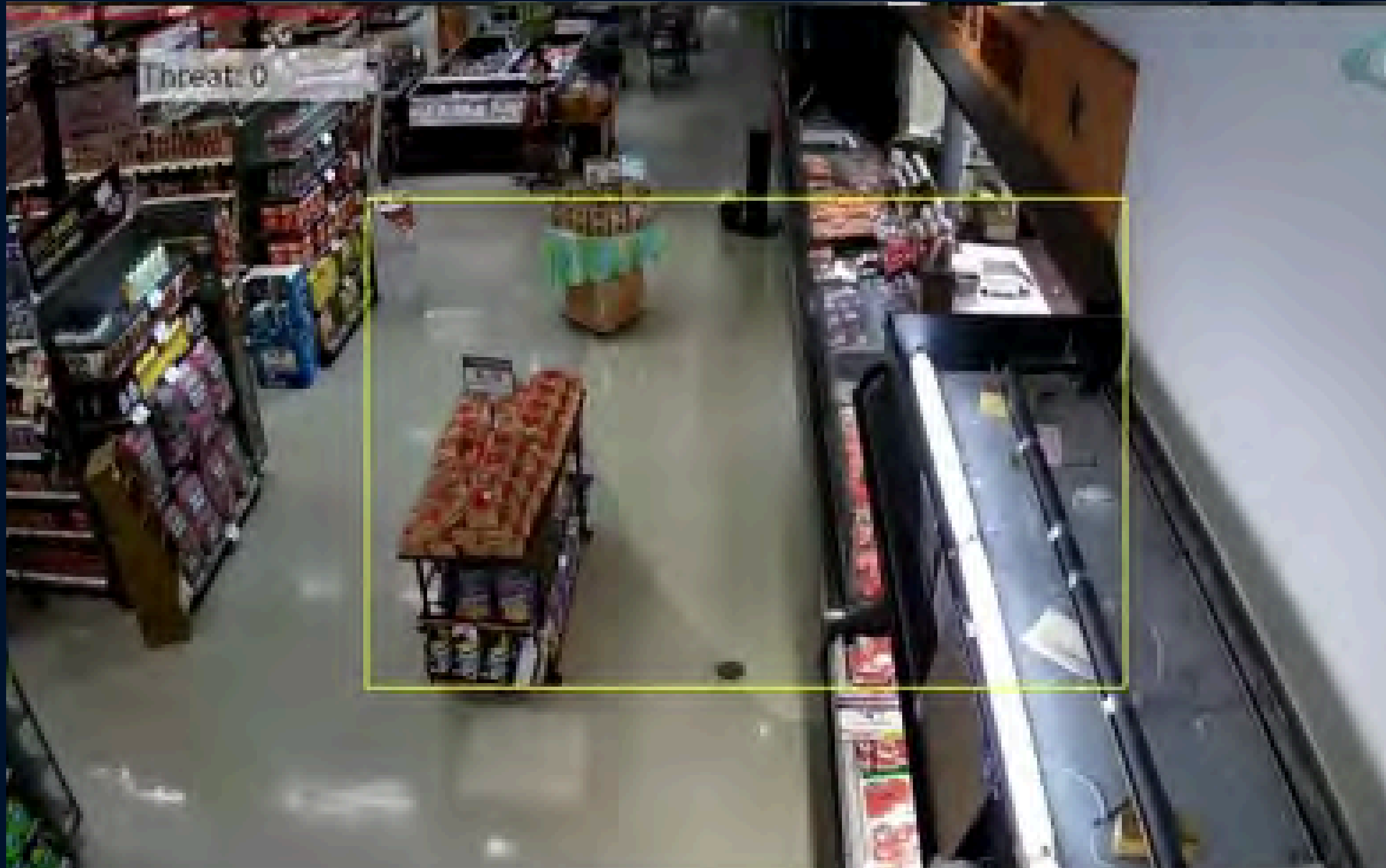
functional capabilities of AI analytics in GANZ systems

AI BOX

AI BOX DEPLOYMENTS



AI BOX DEPLOYMENTS



AI BOX



FEATURES

- Event rule combining—AI video analytics
- Simple AI setup with existing encoders and IP cameras
- Multi-level AI-based false alarm reduction
- High-performance pose estimation AI technology
- Smart scene detection
- Run multiple AI apps on each video channel
- Easy integration with other systems
- Web-based configuration
- Enhanced security options
- USB, RS-485, LAN, and Wiegand interface
- NDAA-compliant

ganzsecurity.com/aibox

GANZ

LICENSES

ZN-AIBOX-STD

- Dynamic Privacy Masking
- Standard Attribute (clothing colors)
- Queue Management
- Standard Heat Map
- Intrusion Detection
- Loitering Detection
- People Counting
- Vehicle Counting
- Zone Counting (zone occupancy)
- Virtual Fence (line crossing)
- Stopping Detection
- Stay & Go (enter & exit)
- Occupancy Counting
- Combine Rule
- Multi Zone Counting
- Car Occupancy Counting

ZSL-PRO

- Crowd Detection
- Advanced Visitor Analysis
- Intentional Body Gaze Detector
- Hand & Foot Intrusion
- Imminent Threat
- Fallen Person Detection
- Animal Detection
- Vehicle Counting (bus, truck, other cars)
- Thermal (human) Detector
- Drone View
- Advanced Attribute
- Fisheye Camera Support
- Vehicle Type Detection

ADD-ON LICENSES

- License Plate Recognition - US, EU, JP, KR
- Advanced Heat Map
- No PPE
- Illegal Dumping
- Violence Detection
- PTZ Auto Tracking
- Combined Counter
- Aggression Detection
- Bullying Detection
- Staff Exclusion

PER CHANNEL LICENSE REQUIRED

Q & A

THANK YOU!



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