# 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

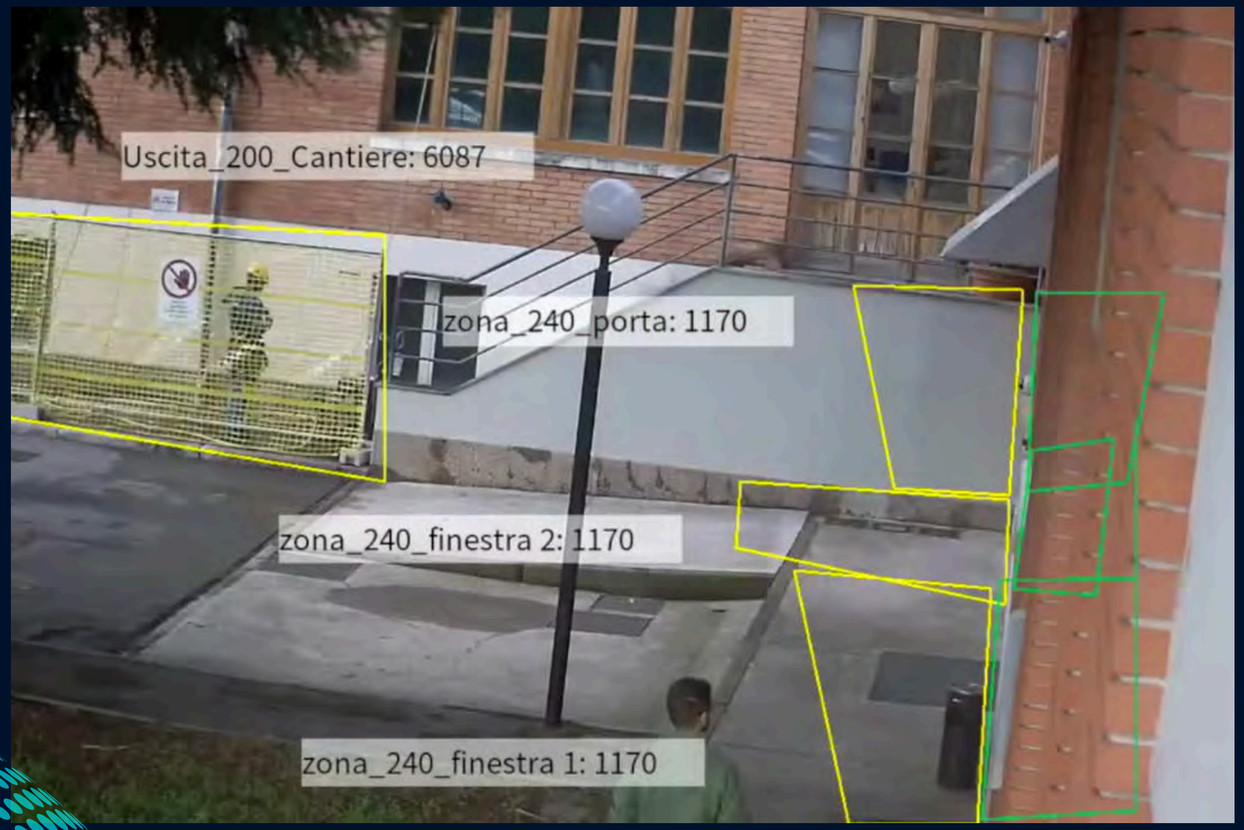
**WILLIAM GODOY,**
**FIELD APPLICATIONS ENGINEER**

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.

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# 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.

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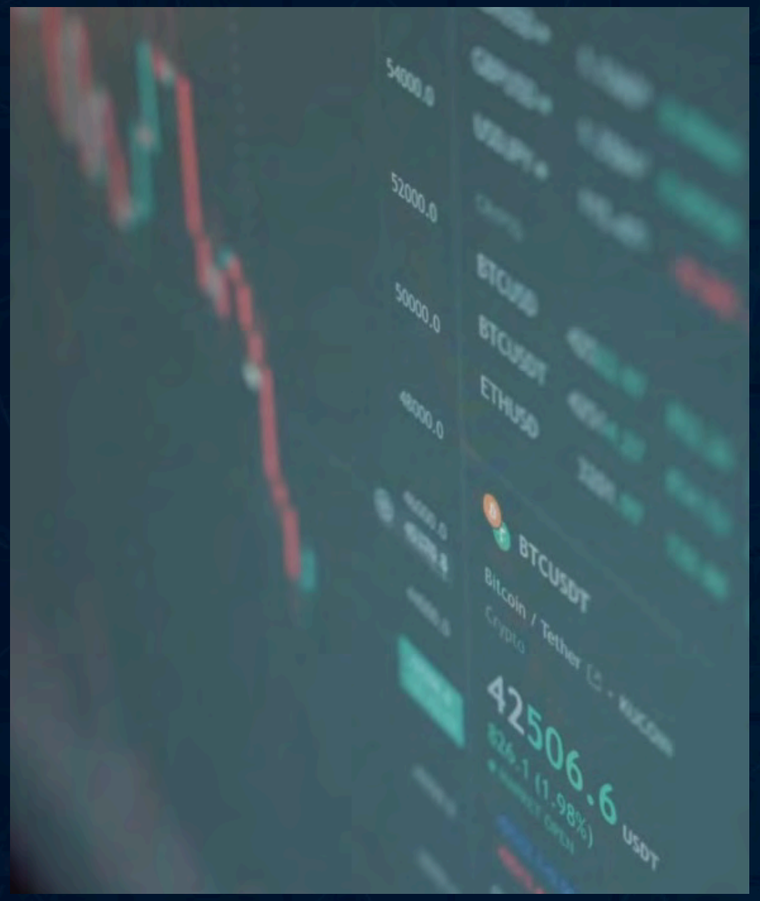
# DATA PROCESSING & MANAGEMENT




**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.

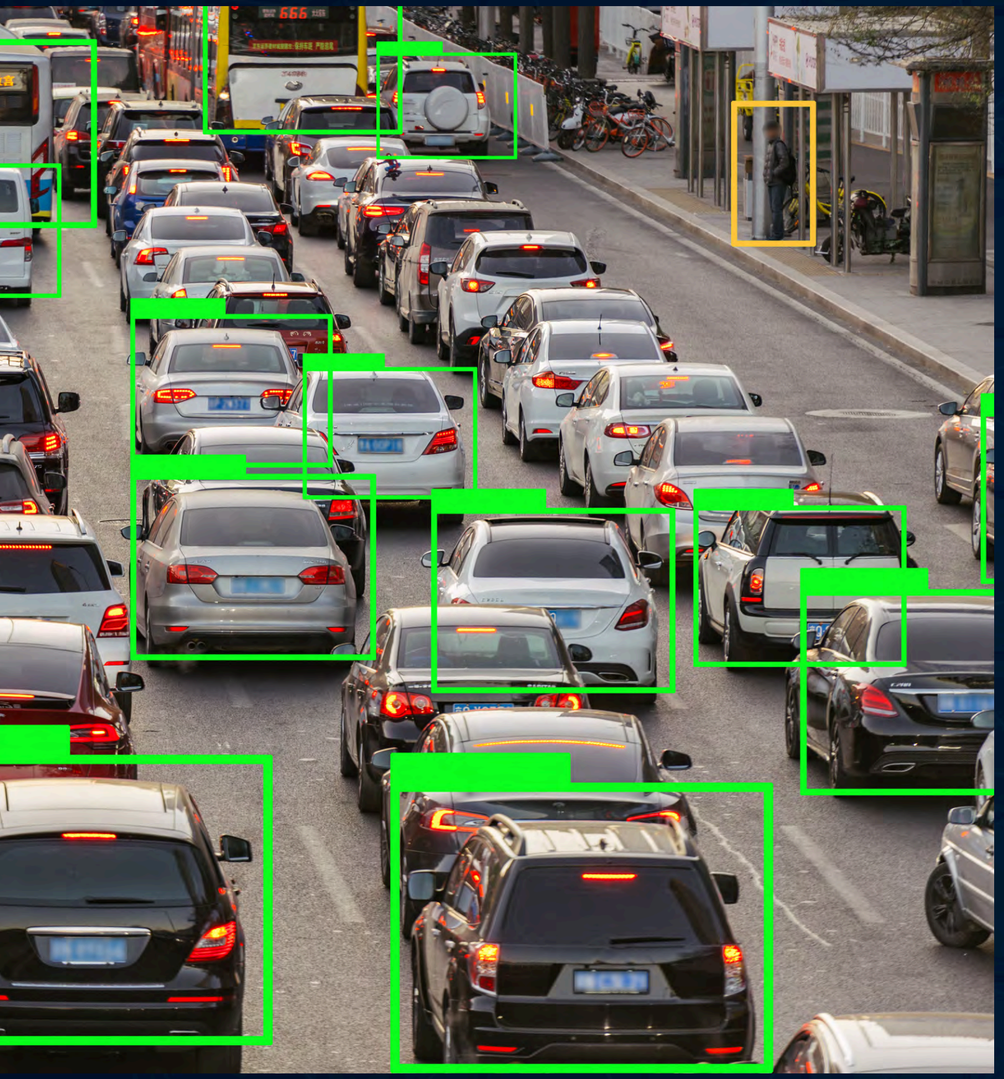
**Enhanced Surveillance**

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.

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# INTELLIGENT DEEP-LEARNING AI ENGINE

## AI BOX

NDAA COMPLIANT

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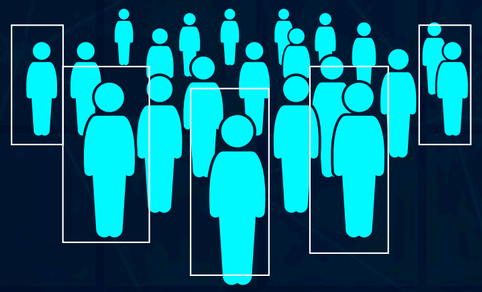
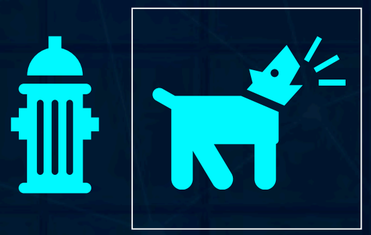
# ENHANCING SAFETY & SECURITY

CROWD DETECTION



HUMAN DETECTION



ANIMAL DETECTION

BODY GAZE

HAND AND FOOT INTRUSION

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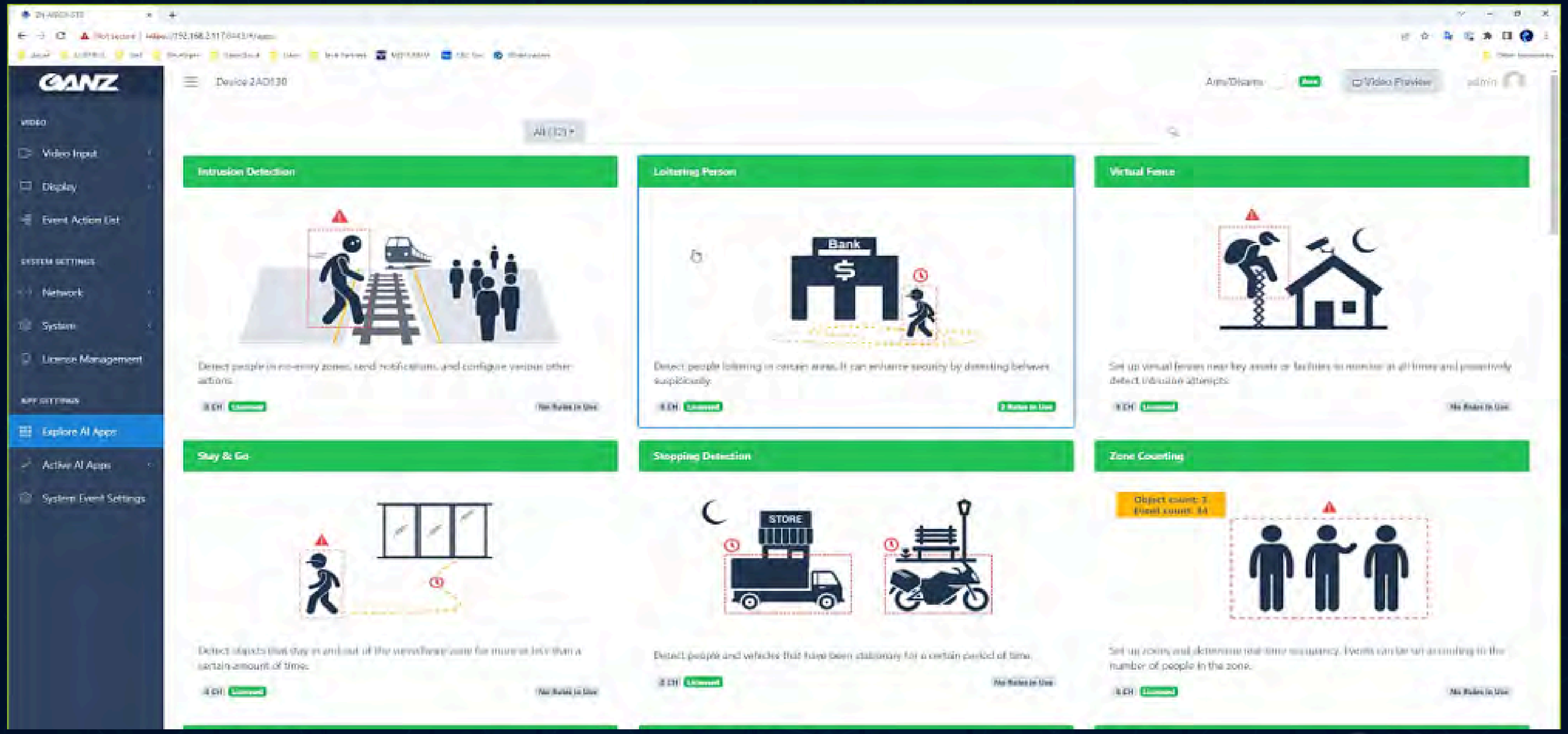
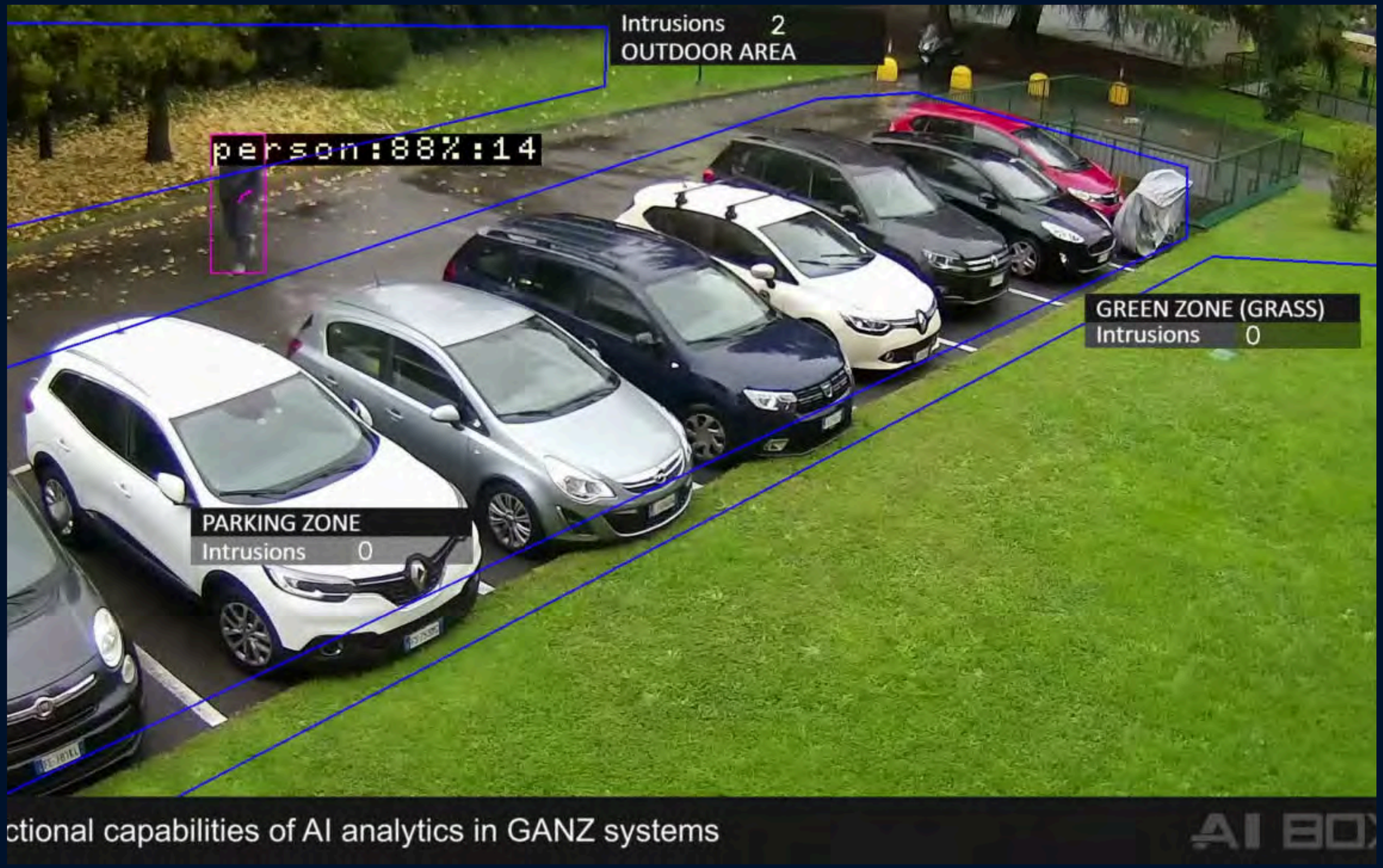
# INTUITIVE: EASY TO SETUP



# AI BOX DEPLOYMENTS



# AI BOX DEPLOYMENTS

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# AI BOX

NDAA COMPLIANT

## 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

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# 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

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# Q&A

# THANK YOU!


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