iOmniscient

iQ-Prison

Complete prison safety, security and operations solution



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Prison Safety and Security

One solution across security, operations and safety

ONE SOLUTION ACROSS

Security, Operations and Safety

SECURITY

Perimeter protection
Unauthorized access / tailgating
Thrown + abandoned objects

OPERATIONS

Counting + movement
Visitor flow
Car park management

SAFETY

Suicide attempt alert
Smoke + fire detection
Camera health checks

Video + Sound + Counting Analytics

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Perimeter Protection

Secure boundaries and controlled access points



CONTROL ACCESS

Detect unauthorized access and tailgating by people or vehicles.



PROTECT THE FENCE LINE

Detect or prevent thrown and abandoned objects inside and outside fence lines.



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Suspicious Behavior and Crowd Gathering

Monitor behavior in exercise yards and shared areas

MAN DOWN

Detect man-down events.

LOITERING AND RUNNING

Detect suspicious movement in monitored areas.

CROWD GATHERING

Detect or prevent crowd gathering in the exercise yard and other locations.



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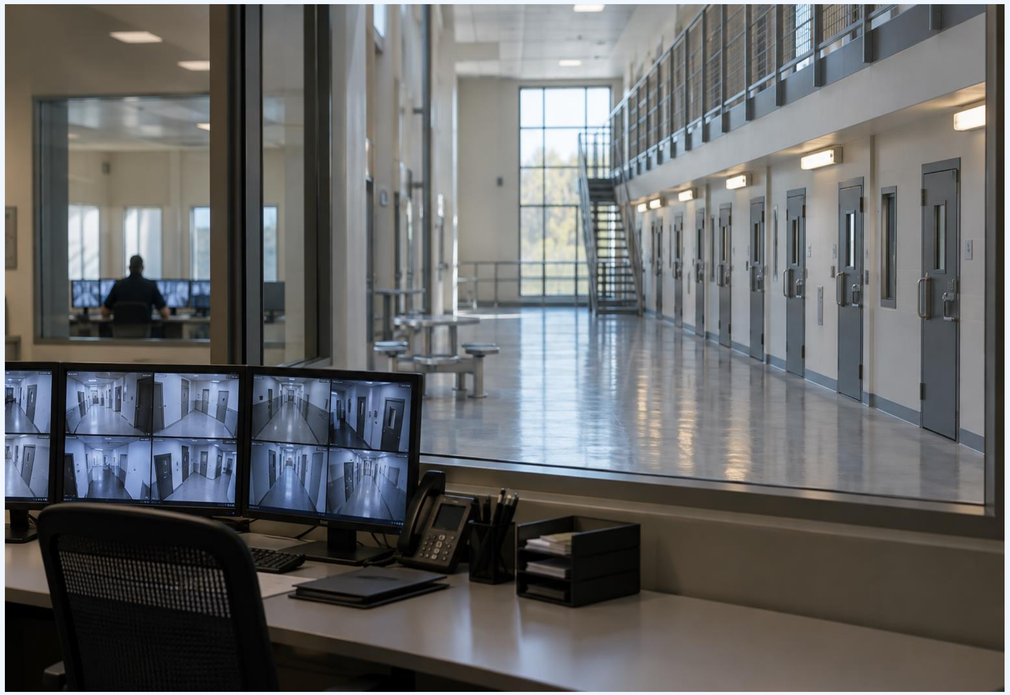
Aggression Detection and Inmate Safety

Video and sound analytics support early safety alerts



VIDEO ANALYTICS

Detect fighting and aggressive behavior using video.

SOUND ANALYTICS

Detect aggressive behavior using sound analytics.

SUICIDE ATTEMPT DETECTION

Detect a person attempting to commit suicide so staff can intervene.

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Population and Movement

Count inmates, monitor occupancy and track movement

99%+

Inmate counting accuracy
as inmates move through different areas.

INMATE COUNTING

Count inmates as they move through different areas.

OVERCROWDING

Prevent overcrowding to adhere to fire and safety regulations.

FACIAL ANALYTICS

Track inmate movement with Facial Analytics.

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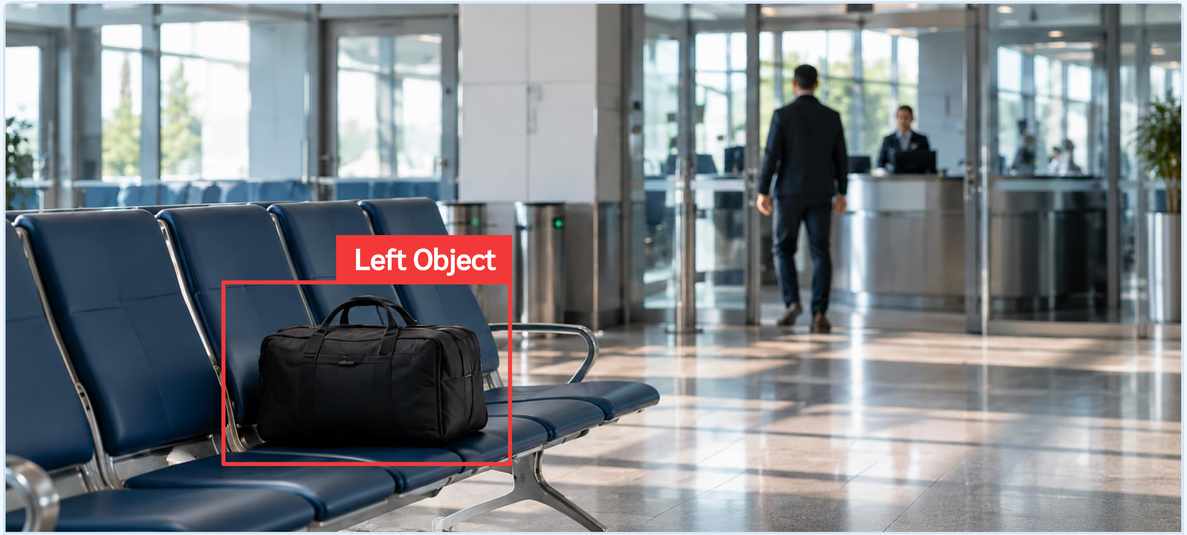
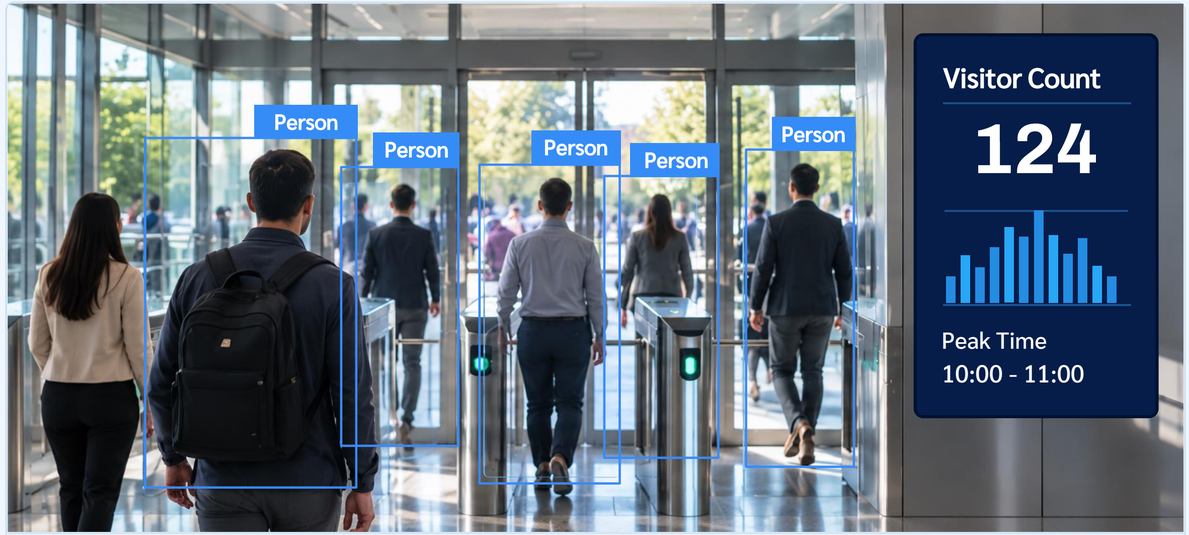
Visitor Areas and Flow

Object detection and people counting in visitor areas



LEFT OBJECTS

Detect left or abandoned objects
In visitation and main lobby areas.



PEOPLE COUNTING

Manage visitors with people counting
to understand the busiest periods.

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Vehicle Entry and Car Park

Access control, parking violations and object detection

VEHICLE ENTRY

Detect or prevent vehicle tailgating at controlled entry.

CAR PARK MANAGEMENT

Detect illegal parking and speeding in the car park.

OBJECT DETECTION

Detect suspicious or abandoned objects around vehicles.



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Facility Safety and Camera Health

Smoke and fire detection with surveillance protection



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About iOmniscient

Partnership

All iOmniscient Products run exclusively on Intel based computing hardware using OpenVINO™

- The use of Advanced AI technology that goes beyond Deep Learning enables iOmniscient to run its systems without the need for 3rd party GPUs.
- This reduces the power required by a factor of 16 – resulting in a 16-fold reduction in the carbon footprint.
- This is just one part of a multi-faceted program to help customers to implement Sustainable Systems.

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About iOmniscient

- iOmniscient is an **Ethical AI** company.
- It offers **multi-sensory (video-sound-smell) Artificial Intelligence based analytics for Autonomous Systems.**
- It focuses on ensuring **Outcomes** for its customers.
- With **over 2 decades of experience,** iOmniscient systems have been demonstrated to be **robust,** operating with high accuracy and few false alarms specially in **complex and crowded** environments.
- By design, its systems **reduce the cost of infrastructure** required:
  - they can use existing cameras
  - they require fewer cameras with lower resolution
  - they require 90% less storage and network bandwidth
  - they are computing light and require no GPUs
  - they allow autonomous operations requiring fewer personnel to operate
- iOmniscient has implemented projects in **70 countries.**
- With over **70 international patents** many of its capabilities are unique and unavailable from any other source.





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