



Correctional Facilities

From maximum-security prisons to county jails, facial recognition and biometric-based systems are essential for improving safety.





Video surveillance and access control have long been necessary security layers for correctional facilities. Faced with challenging situations such as escapes attempts, contraband, fights, and officer attacks, operators cannot afford to miss any incident. They need to monitor every area from the perimeter to visiting rooms to the inside of the prison yard, leveraging state-of-the-art AI-based technologies.

Bolstering Access Control

Critically, access control systems in a prison or correctional facility enable lockdown of a specific building or high-security areas to prevent inmates from escaping the premises. They are typically used in combination with a variety of security systems such as intercom and sound systems, lighting control and closed circuit (CCTV) video surveillance.

Increasingly, prisons and correctional facilities are turning to biometric-based solutions to enhance inmate visitor management systems. Oosto's OnAccess identifies visitors requesting access to a detention facility and can issue either temporary or permanent visitor passes (e.g., attorneys, chaplains, vendors, and volunteers). Using facial recognition, Oosto identifies and enrolls persons in an authorized visitor database for fast pass creation or automatic repeat visitation access. Unlike traditional access control systems that rely on cardkeys, fobs, and keypads, OnAccess relies on a person's face, a unique biometric which cannot be lost, stolen, or shared.



Leveraging Facial Recognition

Video surveillance has long been a necessary security layer for correctional facilities. The ability to recognize a face is a key benefit of a video management system (VMS) used in a crowded correctional institution, in particular when inmates may be wearing the same type and color of clothing.

Adding facial recognition technology to existing cameras provides jails and prisons with a powerful layer of security, allowing correctional officers to quickly identify visitors or trespassers at the facility without manual review, making it easier to detect unusual activities and respond swiftly. Watchlist alerting helps detect individuals who have pending warrants for arrest or who have been added to a watchlist for potential threats against the facility.



Search Hours of Video Footage in Minutes

Often, video footage is captured from many disparate sources — CCTV cameras, mobile phones, and even an officer's bodycam — to develop a more holistic understanding of a crime scene. Video analytics solutions must comb through hours of footage to identify persons of interest quickly and accurately. Unfortunately, this process can often take hours or days with traditional VMS systems. Oosto forensics solution enables security teams to search video archives quickly and find archived video that matches custom criteria within minutes, which is helpful in investigations.

Gilboa Prison

Early morning on September 6, 2021 six incarcerated terrorists escaped from a maximum security prison in Gilboa, Israel, using an underground tunnel they had dug from inside the prison. By September 19, all six fugitives had been captured. The incident is considered to be the most significant prison break in Israel's history. As part of the lessons learned from the bold escape, the Israeli Prison Service invested huge resources in turning Gilboa Prison into a smart prison, including the use of facial recognition technology.

All prisoners are constantly monitored and based on the information Oosto provides, another layer of rules is added. For example, an alert occurs if a prisoner is in an off-limits place, for too long in a certain place, or with a person prohibited from associating with the prisoner.





Oosto Capabilities

Correctional facilities face regular security audits conducted by the National Institute of Corrections. Security teams must be on guard, watching every individual and action of the inmate population — for an inmate’s physical safety — in addition to their own. Here’s how Oosto can help:



Perimeter Security

Provide early warning of intruders over massive buffer zones beyond the fence — detecting people on your watchlist over hundreds of meters far and wide.



Absentee Alerting

Automatic alert security when a prisoner is not recognized by any camera on prison grounds for a specified time period.



Visitor Management

Pre-enroll visitors to the inmate visitor management system by providing a picture in advance of their visit. Once the visit is approved, Oosto automatically recognizes the visitor based on facial recognition software embedded within our access control reader (or leveraging existing CCTV video cameras).



Forensic Investigations

Expedite investigations by searching through hours of offline video footage for persons of interest in a matter of minutes. Incorporate video from multiple sources (e.g., CCTV cameras, iPhone videos, body-worn cameras, etc.) to perform a more holistic investigation.



Prisoner Intelligence Integration

Integrate with the prison’s physical security information management (PSIM) to provide real-time alerts — based on specifically designed rules — if a prisoner is in a prohibited place, lingers in one location for too long, or converses with a “forbidden” person (i.e., someone that the prison deems to be potentially dangerous).



Quadrant Control

Create enforceable, digital barriers without erecting permanent structures and get instant alerts when unauthorized people are identified. For example, Oosto will send automated alerts when inmates and guards venture outside permitted zones within the correctional facility.



Time & Attendance Tracking

Provide staff seamless clock in and out. Employees simply walk in at the entrance and your third-party employee attendance program automatically registers the employee as present via Oosto’s API integration.



Lower Total Cost of Ownership

Deploy Oosto’s solutions with your existing camera infrastructure for lower TCO. Oosto’s neural networks can now be integrated inside smart-cameras, near-edge devices and access control systems to automatically identify authorized personnel and bad actors without sacrificing detection quality.



Oosto's Solutions for Correctional Facilities

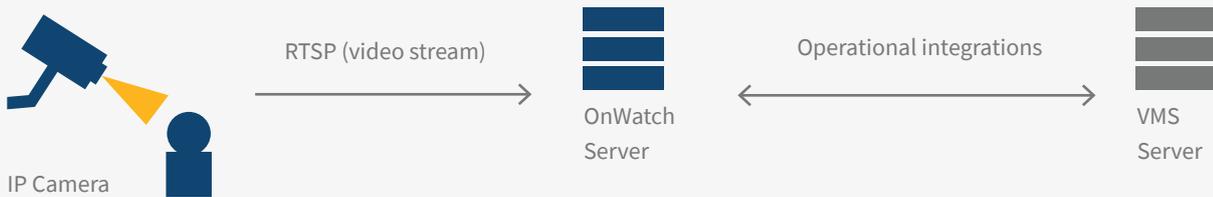
Oosto's solutions can be deployed in days, not weeks or months, because they leverage your existing cameras, access control, and VMS systems exploiting the power and security of edge computing.

OnWatch

Real-time watchlist alerting

Identify persons of interest in real-time with live facial recognition, enabling your security team to rapidly respond to threats as they occur.

How it Works

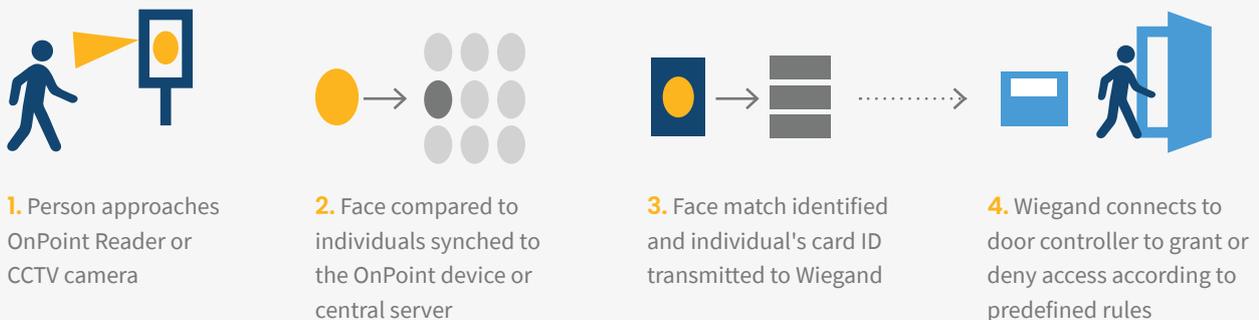


OnAccess

Touchless biometric-based access control

A frictionless access control solution that leverages the power of facial recognition to open guarded points of entry for authorized people.

Automate Secure Entry



About Oosto

Top performing organizations use Oosto's AI-driven computer vision to improve customer experience while enhancing safety. Our recognition technology is built into industry leading touchless access control and automated watchlist alerting capabilities that perform with unrivaled accuracy, speed and efficiency in the most challenging conditions.

Oosto's mission is to make the world a safer, more intuitive, and more connected place.



For more information, please contact us at: info@oosto.com