oosto

Law Enforcement

Detect threats, increase situational awareness, and strengthen security with real-time facial recognition solutions, built for homeland security and law enforcement agencies.

Law enforcement increasingly turn to emerging technologies to develop and deliver innovative policing, strengthen community relationships, build trust, and make their jurisdictions safer. Smart solutions such as biometrics, facial recognition, AI-enabled cameras, and video surveillance systems are fast becoming must-haves for law enforcement agencies.

An advanced video surveillance system, equipped with facial recognition, is quickly becoming a critical tool for enabling law enforcement to best serve their communities. From preventing incidents by monitoring live feeds, to supporting investigations by combing through recordings for video evidence, facial recognition is a powerful crime fighting and real-world public safety tool.

Here's a few ways that facial recognition technologies are helping law enforcement agencies improve public and officer safety:

Accelerate Investigations

Facial recognition technology is proven to streamline investigations, bring offenders to justice, and prevent crimes before they occur. As the value of video footage expands, law enforcement needs to efficiently and effectively review and analyze video. The real gamechanger? Agencies can now accelerate video investigations and review hours of video footage in minutes.

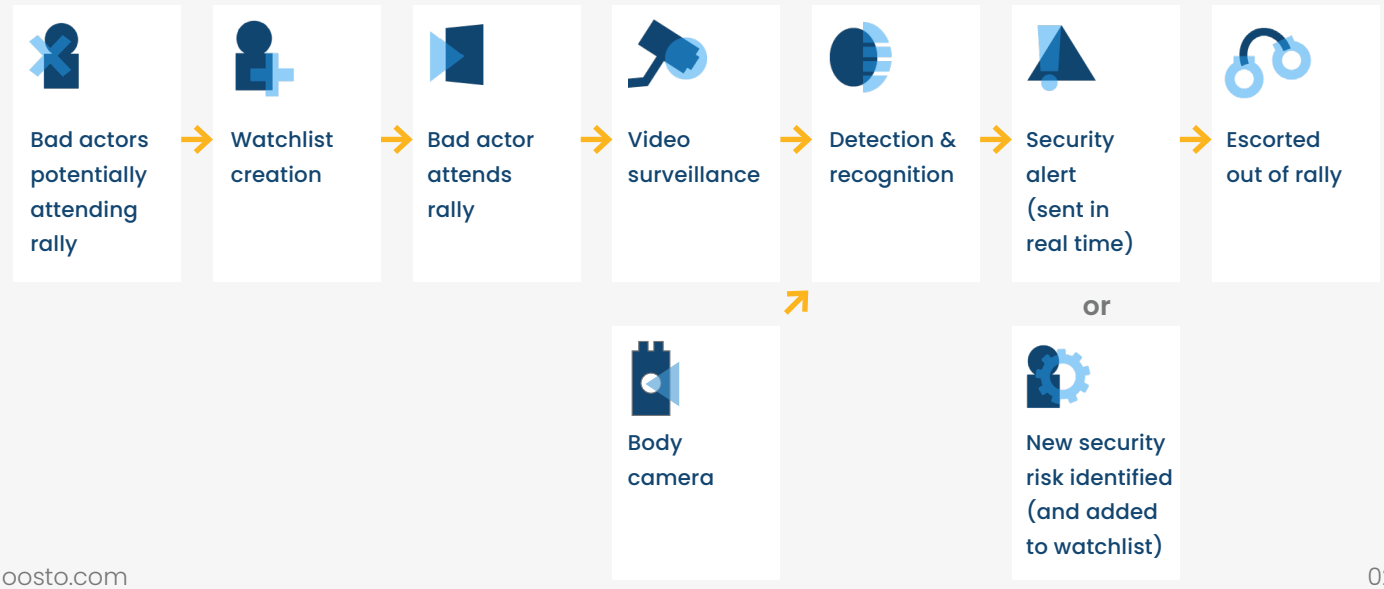
De-risking Riots & Unlawful Assembly

Law enforcement now uses facial recognition with body-worn cameras to identify known security threats in crowds, locations of unrest, riots, or protests.

Real-World Scenario

Rallies or large public events are at risk of drawing threats and providing cover for known felons or bad actors. In advance of a large event, agencies can upload headshots and images into a watchlist. If an officer's body camera or mobile phone scans a face in the crowds that matches a watchlisted person (even if that person is not looking at the camera or is wearing a mask), the officer gets a real-time alert and can take appropriate action.

How Real-Time Facial Recognition can Help Policing in Crowd Settings



Police Protection

Facial recognition is increasingly used to improve police safety, situational awareness, and community service by allowing officers to better assess the threat level of people around them in either 1:1 encounters or in group environments. Vision AI algorithms help police accurately identify known criminals or persons of interest in real-time even if they are wearing masks, obscured by others in a crowd, or not looking directly at the camera.

Fortifying Access Control

Visitors, staff, and inmates must be properly screened to prevent weapons and other dangerous items from being brought into the building. Police stations, detention and correctional facilities including jails and prisons are leveraging biometric-based solutions to improve efficiency and accuracy in their access control and enrollment processes. Facial recognition is being used for authorized access to armory, evidence, and records rooms as well as crime labs.

Additionally, facial recognition is being used to better limit points of entry into the building, manage after-hours access, and ensure only authorized persons (including vendors and contractors) are accessing the facilities. Unlike traditional access control systems that rely on cardkeys, fobs, and keypads, biometric-based access control solutions rely on a person's face, a unique biometric which cannot be lost, stolen, or shared.

Learn more about how Correctional Facilities can use Oosto here.

Did you know?

A recent study found that smart technologies such as AI could help cities reduce crime by 30 to 40% and reduce response times for emergency services by 20 to 35%. Cities are making use of facial recognition and biometrics (84%), in-car and body cameras for police (55%), drones and aerial surveillance (46%), and crowdsourcing crime reporting and emergency apps (39%) to ensure public safety.

Source: Deloitte: Emerging tech that can make smart cities safer. (2018)

Oosto Capabilities

Law enforcement must critically review and respond to emergencies in a timely manner, especially those in-progress or life-threatening. Oosto helps public safety agencies respond in a number of ways:

Expedite Forensic Investigations

Expedite investigations by searching through hours of video footage for persons of interest in a matter of minutes. Incorporate video from multiple sources (e.g., CCTV cameras, mobile phone videos, body-worn cameras, etc.) to perform a more holistic investigation — providing the video proof that will assist in the investigation, arrest, and prosecution of criminals.

Designed for the Real World

Our algorithms were designed for the real world which allows Oosto to recognize persons of interest even under adverse conditions including people in crowds, dim lighting, challenging camera angles, or occluded faces (e.g., individuals wearing masks, heavy makeup, glasses, or hats).

Mobile Alerts

Protect personnel by connecting to existing body cameras and analyzing video streams in real time using on-the-go Vision AI technology. Identify persons of interest such as those with warrants, prior offenders, and missing or runaway children.

Leverage Your Existing Cameras

Implement facial recognition with your existing video surveillance, access control and VMS systems help to lower the total cost of ownership.

Finding Missing Children and POIs

Integrate facial recognition into a city's video surveillance system by leveraging the power of existing cameras. to identify and track missing persons, BOLOs's, and other persons of interest by quickly detecting and reporting on their location in real time.

Preserving Privacy

Help preserve privacy and mitigate public concerns about the ethical use of facial recognition with features such as bystander blurring, dynamic data retention times, and hard data deletes. Oosto does not provide predefined watchlists — law enforcement agencies must build their own database of known threats (e.g., known felons, security threats, etc.) and

Low or No-Bandwidth Environments

Never let weak or non-existent internet connections block your people from receiving the watchlist alerts they need in real-time. Whether underground, in a remote area, or somewhere with limited cell service, receive instant security alerts if a person of interest is identified from the body camera or camera glasses.

Granular Access Controls

Oosto's OnAccess works with your existing access control system to determine who gets authorized access to armory, evidence, and records rooms as well as crime labs. Different access permissions can be established for different law enforcement personnel based on their role and responsibilities.

Optimized Data Storage

Synthesize video data right at the ingestion point (i.e., the camera), eliminating significant costs for data servers, additional bandwidth, and infrastructure, usually associated with high-volume video collection and analysis.

Exploiting the Power of the Edge

With Oosto's edge computing deployments, eliminate significant costs for servers, bandwidth, and infrastructure normally associated with high-volume video collection and analysis.

Oosto's Solutions for Law Enforcement

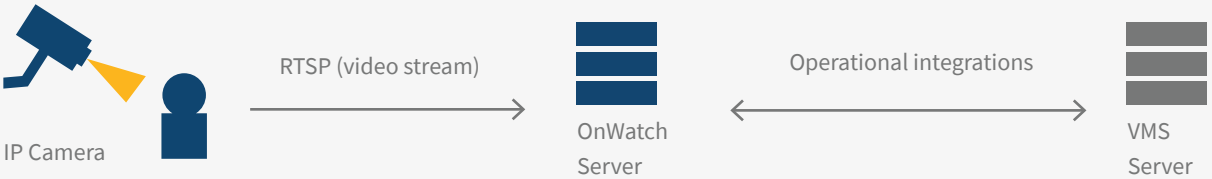
Oosto's solutions can be deployed in days, not weeks or months, because they leverage your existing cameras, access control, and VMS systems exploiting the power and security of edge computing.

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.

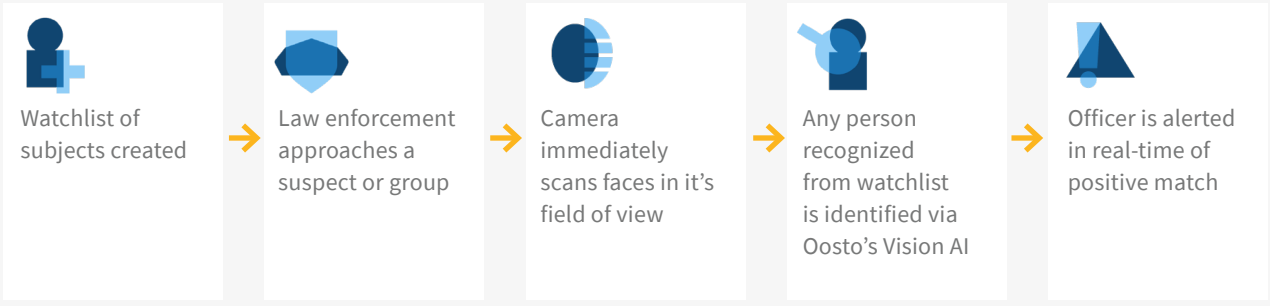
How it Works



OnPatrol

Protecting officers, anytime, anywhere.

A tactical surveillance mobile application that protects law enforcement and military personnel by recognizing and offering real-time alerts about Persons of Interest (POIs) on their mobile device (e.g., phone, bodycam).



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

1. Person approaches OnPoint Reader or CCTV camera

2. Face compared to individuals synched to the OnPoint device or central server

3. Face match identified and individual's card ID transmitted to Wiegand

4. Wiegand connects to door controller to grant or deny access according to predefined rules

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**

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