oosto

Homeland Security & Border Control

Whether it's protecting borders, military bases, or tactical units, facial recognition is playing an increasingly important role in identifying, classifying, and verifying threats.

Homeland security agencies carry a heavy burden of protecting citizens from a variety of threats. Typically, their responsibilities include counterterrorism, cybersecurity, aviation security, border security, port security, maritime security, administration, immigration, and the protection of national leaders, critical infrastructure, and chemical, biological, or nuclear threats.

Modern nations are moving quickly to integrate "smart border" capabilities into their operations to better secure their borders. Facial recognition, a key component of these strategies, is leveraged to analyze video surveillance and process powerful data. Facial recognition improves operational efficiency by allowing fewer agents to monitor more territory and scan more travelers, saving both time and money.

More border control and homeland security agencies are adopting facial recognition to scan travelers at airports, seaports, and land borders. Beyond facial recognition's ability to biometrically confirm travelers' identities during arrival and departure, there are a growing number of use cases that can dramatically improve efficiency, user experience, and security.

Oosto Capabilities

National security is dependent on maintaining secure borders and military bases. Leveraging modern facial recognition improves security and enhances the traveler experience while protecting the privacy of innocent civilians.

Here are a few emerging use cases of Oosto's face and body recognition technologies:

Watchlist Alerting

Facial recognition works with existing cameras and can identify people on a terrorist watchlist (a watchlist of people reasonably suspected to be involved in terrorism or related activities). Facial recognition technology can even identify POIs through car windows when they're driving across the border.

Base & Command Station Protection

Facial recognition is also used to ensure that only authorized personnel are allowed on base or within a border command station. Historically, security personnel would ask military base visitors for their credentials or government-issued IDs, but now they can rely on facial recognition as a stronger form of proving identity than IDs, keycards, or fobs which can be lost, stolen, falsified, or shared.

Cameras on Base

Facial recognition can be used on military bases to identify authorized individuals who evaded the entry gates. FRT can effectively identify anyone not on the authorized list of personnel and vetted visitors — and send instant alerts to security personnel notifying them of the intruder.

Expedite Forensic Investigations

Expedite investigations by searching through hours of video footage 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.

Visitor Access

At borders that offer expedited visitor access, authorized individuals (who have already been vetted) can effortlessly cross with the use of facial recognition. This is not only more convenient for the visitor, but it also ensures that only vetted individuals are fast-tracked.

Granular Access Controls

Working in conjunction with your access control system, Oosto not only determines who gets access to the command centers or military bases but also when and where they are allowed access. Different access permissions can be established for different groups within the agency.

Tactical Surveillance

Tactical units are tasked with preventing terrorist attacks, from any place, by any person. The ability to leverage facial recognition with smartphones or body-worn cameras allows agents to identify persons of interest in real-time by simply scanning a crowd. Facial recognition technology is considerably more reliable and more accurate than relying on agents to memorize pictures of bad actors.

Lower Total Cost of Ownership

Oosto's neural networks can now be integrated inside existing smart cameras, near-edge devices, and access control systems to automatically identify authorized personnel and bad actors, without sacrificing detection quality. By leveraging existing hardware, your total cost of ownership is better optimized.

Leverage Your Existing Cameras

Costs of implementing facial recognition with your video surveillance system are relatively low since our solutions work with your existing cameras.

Preserving Privacy

Oosto's technology was engineered to comply with privacy regulations while giving operators the tools to protect privacy and ensure compliance, including bystander blurring, dynamic data retention, and hard data deletes. We purposefully never furnish customers with predefined watchlists — border control and homeland security agencies must build their own database of known threats.

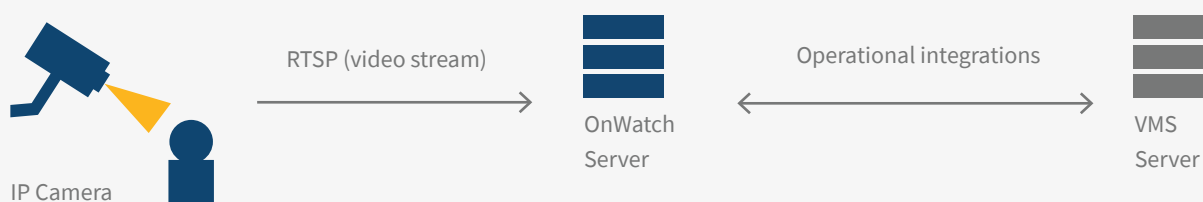# Oosto's Solutions for Border Control and Homeland Security

Oosto's solutions can be deployed in days, not weeks or months, because we 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

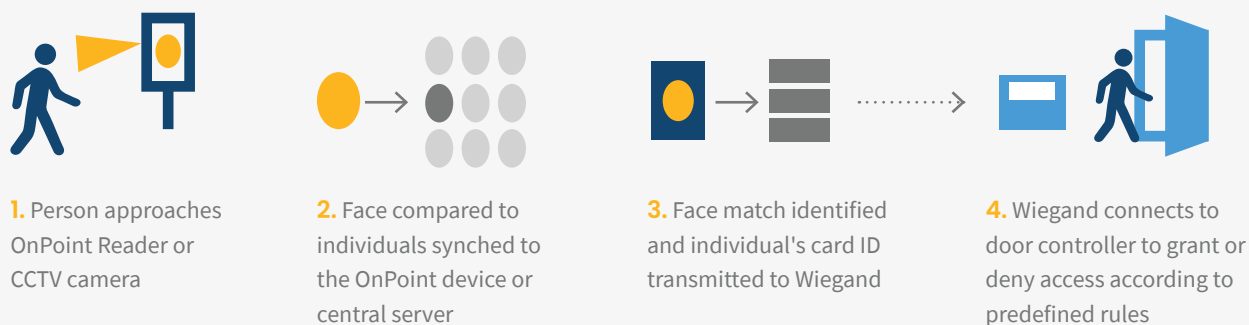IP Camera → RTSP (video stream) → OnWatch Server ← Operational integrations → VMS Server

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

About Oosto

Top-performing organizations use Oosto's AI-driven computer vision to improve the 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.

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