oosto

Oosto Company Overview

Don’t Let Threats Go Unrecognized

Transform passive cameras into active security systems

Oosto takes the guesswork out of automating POI (person of interest) alerting, access control and mobile surveillance to quickly spot bad actors, identify high value customers and ensure better user experience.

Recognizing and responding to threats to safety and optimizing customer experience is what drives security and operations teams, and their success depends on accurate and fast identification of people.

The human eye alone is imperfect, and most software that automates the recognition of individuals on watchlists underperforms in real world conditions.

Powered by Vision AI, Oosto helps protect your employees and premises with automated watchlist alerting, contactless access control and mobile surveillance — without adversely impacting the user experience.

Oosto’s Secret Sauce

Oosto uses deep learning AI to eliminate a traditional systems’ shortcomings, by accurately capturing faces in real-world environments, even with low bandwidth CCTV cameras. The AI software instantly alerts security staff of unauthorized entries and individuals and dramatically reduces their false positive rates.

False positives are mislabeled security alerts, indicating there is a threat when in actuality, there isn’t. These false alarms increase noise for already overworked security teams and can lead to system neglect. Most video monitoring systems suffer from rampant false positives often because of the poor quality of the video from CCTV cameras or the imprecision of their software. Oosto is one of the most accurate facial recognition solutions, excelling in real-time and real-world environments — even in suboptimal conditions when.

Streamlining the experience does not mean having to sacrifice the privacy of individuals. Oosto’s technology was engineered to comply with privacy regulations while giving operators the tools to protect privacy and ensure compliance, including face blurring of non-targeted faces (GDPR mode), privacy mode, dynamic data retention and strict encryption standards.

Historically, organizations that wanted to add video analytics and intelligence to their IP security cameras or turnstiles relied on expensive on-premises servers, which were required to handle the compute loads. Oosto is leveraging edge computing to push more of this processing to the actual cameras through embedded SDKs, enabling us to process more video streams per GPU which lessens the hardware requirements and dramatically lowers your TCO.

Our Solutions

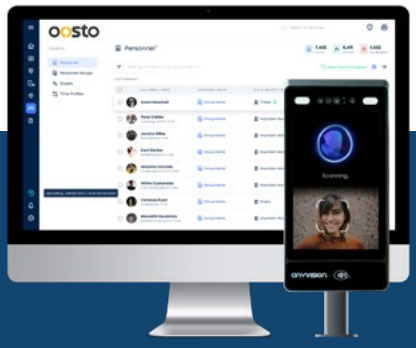
The Vision AI Platform:
The Platform that Underpins our Technology Stack

Oosto's Access Point AI platform leverages a number of state-of-the-art technologies including computer vision, machine learning, liveness detection and biometrics to help protect an organization's physical access points. By identifying authorized personnel and persons of interest in real-time — whether VIPs or bad actors — modern enterprises can layer in additional operational insights to streamline the customer experience. Access Point AI is being used to optimize touchless access control, video surveillance, and watchlist alerting.

OnWatch

Protect people and premises by recognizing and responding to threats

An automated watchlist alerting system that identifies persons of interest and their contact history in real-time. This video surveillance solution Identifies persons of interest (e.g., felons, shoplifters, employees and VIPs) through both face- and body-based recognition in real-time and sends automatic alerts to your security and customer service teams.



OnAccess

Improve entry experiences while enhancing safety

A touchless access control solution that uses facial recognition to open guarded points of entry for authorized people through privacy compliant and spoof-proof face recognition. By using face-based biometrics and liveness detection to verify authorization, organizations can overcome the shortcomings of traditional passcodes, card keys and fobs which can be shared, lost or stolen.

OnPatrol

Safeguard law enforcement with tactical, face-based surveillance

A tactical facial recognition application for Android smartphones that protects law enforcement and military personnel by connecting to existing body cameras and analyzing video streams in real time using on-the-go Vision AI technology to identify persons of interest such as criminals, dangerous individuals, or even missing children.

What Makes Us Unique

Superior Recognition

Oosto's neural nets are trained in the toughest conditions on low quality images and have been tested by the most demanding users to ensure the highest accuracy in real-world conditions. This accuracy translates to 0.1% false alarms and 0.2 ms detection speed.

Streamline Investigations

Search video for people and personal attributes through software that indexes each individual and every attribute, and get instant answers. This capability lets you search for bad actors or persons of interest within historical video footage to further investigate security matters using our newest offline file-ingestion capability.

Edge Computing

Our platform pushes more of this processing to the actual cameras (via embedded SDKs) and dramatically reduces the need for expensive, on-premise servers and expensive GPUs, fundamentally changing the historical paradigm for large-scale video security and biometric-based access control.

Advanced Privacy Controls

Oosto automatically blurs the faces of non-targeted individuals on video playback and even offers a privacy mode which discards all detections of non-enrolled (non-watchlist) individuals.

Multisite POI Management

Centrally manage watchlists, track POIs across multiple locations, and control how POI data is managed, analyzed and distributed while receiving real-time alerts.

Crowded Environments

Oosto is capable of simultaneously identifying multiple individuals in crowded settings with a high degree of precision. As people enter the camera's field of view, our Vision AI platform will identify persons of interest in a fraction of a second.

Make Every Camera Smart

Oosto adds visual intelligence to your existing camera network and achieves the highest stream to server ratio, which maximizes the value of your investment.

Instant Query Results

Oosto provides the fastest video search, letting users search and instantly find people and attributes in real-time and in historical footage.

Intelligent Zone Control

Create physical and digital barriers around any space with granular control so only authorized personnel are allowed to high security areas and receive instant alerts when unauthorized people attempt to enter these zones.

Liveness Detection

Oosto's liveness detection technology ensures that every detected face is a real person by identifying spatial inconsistency and using an array of sensors that create a 3D face map to immediately detect spoofing attempts.

Commitment to Ethical Facial Recognition

Commitment to the ethical use of artificial intelligence sits at the heart of everything we do at Oosto. From designing balanced data sets and creating game-changing privacy features to supporting regulation of the industry at large, we understand that as the pioneers of responsible facial recognition, we are accountable for laying the foundations for a safe and ethical future.

Six Principles of Artificial Intelligence Ethics

Oosto understands the great value that its technology and systems can provide to society. At the same time, we recognize that powerful technology has the potential to be misused if placed in the wrong hands. We have an inherent responsibility to ensure that our technology and products are used properly.

Oosto has adopted the following six principles for ethical facial recognition:

Fairness

Our software must be deployed in a manner that reflects a commitment to treat all people fairly.

Transparency

We shall communicate the capabilities and limitations of our software to our respective partners and customers.

Accountability

We shall ensure that the operation of our software is subject to human control, specifically for uses that may affect people in consequential ways.

Non-Discrimination

Our software must not be used for unlawful discrimination.

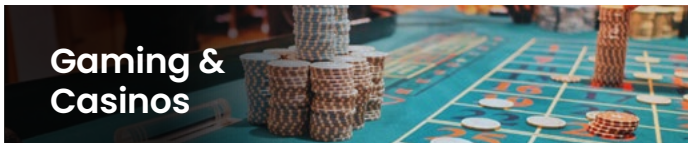
Notice and Consent

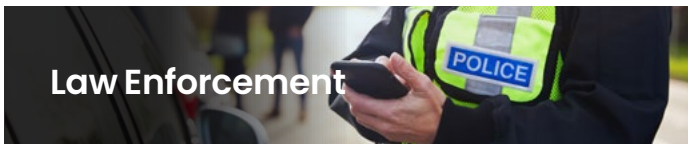
We instruct our partners and customers to provide adequate notice and secure consent in the deployment of our software.

Lawful Surveillance

We advocate for lawful surveillance and will not allow the deployment of our software in scenarios that we believe will undermine this risk.

The Industries We Serve





Oosto's Channel Partners

Oosto has teamed with leading strategic partners, system integrators, VMS solutions, chip manufacturer, cloud providers and OEMs to ensure that our technology can integrate with your existing systems which speeds up the time to value and increases your ROI.

Global Strategic Partners

Honeywell · Atos · milestone · Schneider Electric · Convergint Technologies · Genetec · Johnson Controls · PROSEGUR

Chip Manufacturers

Ambarella · NVIDIA · intel · Qualcomm

Cloud Providers

aws · Azure

OEMs

Honeywell · Hanwha · BOON EDAM · BOSCH · VERINT

Oosto's Marquee Customers

Deloitte. | Morgan Stanley | Cedars Sinai | Ford
Sands LAS VEGAS SANDS CORP. | CHASE CENTER | macy's | verizon

The Global Leader in Vision AI

We are a core visual AI platform company with unmatched expertise in AI and deep learning, and a proven track record of designing, developing and deploying software to solve real-world problems.

$355M+ in Funding, Backed By A High-Quality Growth & Strategic Investor Syndicate

SoftBank | Lightspeed | FIFTH WALL | DFJ GROWTH | Qualcomm | Schneider Electric | IQT IN-Q-TEL

Built On The Most Cutting-Edge Research, Deployed with Tier-1 Companies Around the Globe

World-leading algorithms fueled by our proprietary neural networks, designed, developed, tested and commercially deployed with leading organizations across the globe to ensure the highest accuracy in challenging, real-world conditions.

500+
Customers, including many Fortune 500

100+
Experts across four major geographies

10+
PHDs with deep knowledge and real-world expertise