



Chooch Vision AI + OnGuard

OAAP Certified AI Video Analytics Interface



Chooch Vision AI for OnGuard

Real-time Vision AI for intelligent physical security operations available in OnGuard - with 20+ AI Models enhancing existing security operations from Chooch.

The Chooch Vision AI Inference Engine analyzes live camera streams, detects configured security and safety conditions, and automatically generates alarms within OnGuard Alarm Monitoring through the OpenAccess API.

The result is a unified workflow where security teams can use AI-powered video intelligence without replacing their existing access control and alarm-management environment.

The challenge

Traditional access control systems provide strong visibility into credentials, doors, and access events, but security operators may still depend heavily on manual video monitoring to understand **what is actually happening around an access event.**

This can make it difficult to identify conditions such as:

- Tailgating or piggybacking through controlled entrances
- Unauthorized intrusion into restricted areas
- Safety or PPE violations
- Weapons, smoke or fire conditions
- Site-specific security or operational anomalies

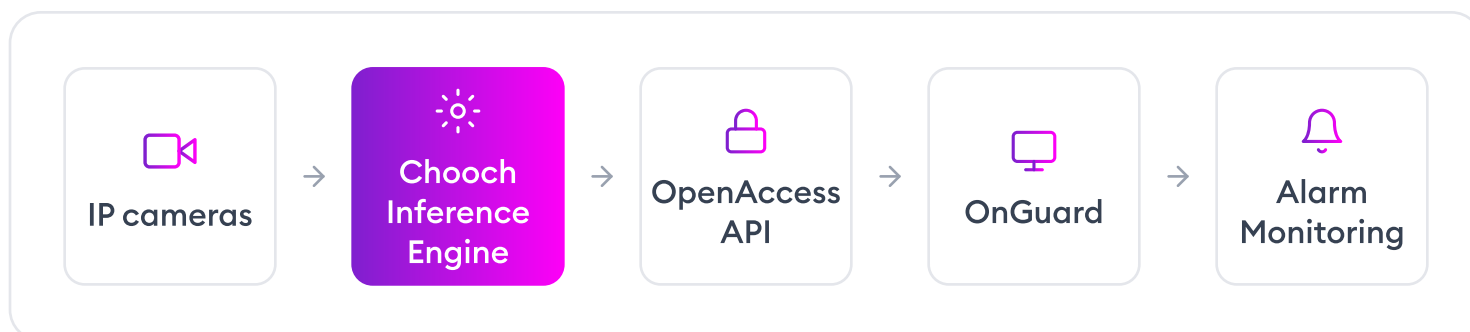
The solution

The **Chooch Vision AI Inference Engine** provides continuous AI-based analysis of camera streams and interfaces directly with OnGuard.

When configured AI detection criteria are met, Chooch can:

- Generate a real-time alarm in OnGuard
- Associate the alarm with the corresponding Logical Device
- Provide contextual event descriptions
- Include downloadable alert image references
- Deliver the event into the existing Alarm Monitoring workflow

How the Interface Works



1 Analyze

The Chooch Vision AI Inference Engine processes live RTSP camera streams using configured ReadyNow, custom object detection, or multimodal AI models.

2 Detect

Site-specific Analytics Rules determine which AI-detected conditions generate alerts, including confidence thresholds, zones, temporal conditions, and detection classes.

3 Correlate

Each Chooch camera stream is mapped to a corresponding **OnGuard Logical Device** using the same configured stream/device name.

4 Generate

When an alert condition is satisfied, the Inference Engine invokes the OpenAccess **SendIncomingEvent** method.

5 Respond

The resulting alarm appears directly in **OnGuard Alarm Monitoring**, including the mapped device, event information, descriptive text, and optional image evidence.



Enhance existing OnGuard workflows with Vision AI



Detect unauthorized intrusion and tailgating



Recognize weapons and security threats in real time



Alerts for AI-monitored events and restricted zones

Core capabilities



Real-time AI event detection

Continuously analyzes camera streams for configured security, safety, and operational conditions.



Automated OnGuard alarms

AI-detected events automatically trigger alarms through the OpenAccess API without requiring an operator to manually review every camera stream.



Logical Device mapping

Chooch stream names map directly to configured OnGuard Logical Devices, allowing AI events to appear against the appropriate physical security asset.



Contextual alert enrichment

Alarm information can include event descriptions, camera identity, timestamps, and downloadable image references to accelerate verification.



Configurable analytics rules

Organizations can customize detection classes, confidence thresholds, zones, temporal requirements, and alert behavior according to site-specific security policies.



Edge and cloud deployment

The Inference Engine can operate within customer-controlled edge infrastructure or supported cloud environments, allowing organizations to place AI processing close to cameras or centrally manage distributed deployments.

Example Security Use Cases

Tailgating / Piggybacking Detection

Detect multiple individuals passing through a controlled entrance or turnstile following a single authorized access event.

Unauthorized Intrusion Detection

Identify people entering or remaining within restricted areas based on configured camera zones and AI detection rules.

Perimeter Monitoring

Apply AI-based monitoring to entrances, fences, loading areas, or other defined security zones.

Operational Anomaly Detection

Use configurable AI models and rules to identify visual conditions outside expected operational behavior.

Safety & Compliance Monitoring

Detect conditions such as:

- Missing PPE
- Restricted-area violations
- Weapons
- Smoke and fire
- Site-specific safety conditions

Designed for Enterprise Security Environments

Secure OpenAccess Credential Management

The Chooch Vision AI Platform supports enterprise secrets management for protecting OnGuard OpenAccess authentication credentials.

Supported secrets providers include:

- **Microsoft Azure Key Vault**
- **CyberArk Conjur**

Secrets Management is configured within Vision AI Studio at the device level. The Inference Engine retrieves required OpenAccess credentials securely at runtime rather than exposing credentials within the operational user interface.

The OpenAccess Application ID is embedded within the Chooch application and is not configurable or exposed to end users.

Resilient Authentication

The Inference Engine maintains its OpenAccess session and includes authentication retry protection.

For HTTP 4xx authentication failures:

- Up to three authentication attempts are permitted per cycle
- Failed authentication prevents repeated alarm transmission attempts
- Cloud Sync resets the retry condition and initiates a new authentication attempt

This prevents continuous unsuccessful authentication traffic while giving administrators a controlled recovery mechanism after correcting credentials or connectivity.

Cloud Sync

Cloud Sync synchronizes the deployed Inference Engine with its Vision AI Studio configuration.

Cloud Sync can update:

- Device configuration
- Camera streams
- AI models
- Analytics settings
- OnGuard-enabled stream configuration
- Authentication state

It also supports OAAP **partner_values** reporting by updating the number of streams configured for the OnGuard interface when the count changes.

OAAP Partner Values Reporting

The interface reports the current number of Chooch streams configured to interface with OnGuard.

An update occurs when:

- An OnGuard-enabled stream is added
- An OnGuard-enabled stream is removed

Updates are change-driven rather than transmitted continuously on a fixed timer.

Benefits to Security Operations



Enhance visibility

Add real-time visual intelligence to access-control workflows.



Reduce manual monitoring

Automatically surface configured AI events instead of relying exclusively on continuous human video review.



Accelerate response

Provide operators with actionable alarm context and associated image evidence.



Extend existing infrastructure

Add AI capabilities while maintaining the existing OnGuard Alarm Monitoring workflow.



Enable proactive security operations

Move from retrospective video review toward real-time detection of defined security conditions.

Certification Information

Item	Details
Certified Product	Chooch Vision AI Platform / Inference Engine
Interface	OpenAccess API
Certification Program	LenelS2 OpenAccess Alliance Program (OAAP)
Certified OnGuard Versions	OnGuard 8.3 and 8.4
Alarm Interface	SendIncomingEvent
Stream Reporting	partner_values
Deployment	Edge, cloud, or customer-controlled infrastructure

Deployment Requirements

- The customer environment requires:
- OnGuard with OpenAccess API licensing and connectivity
 - A configured Logical Source
 - Logical Devices corresponding to Chooch camera stream names
 - Alarm Definitions associated with the appropriate Logical Devices and events
 - Network connectivity between the Chooch Inference Engine and the OpenAccess endpoint
 - Enterprise secrets management for OpenAccess credentials
 - RTSP connectivity from the Inference Engine to configured camera streams

Certification Scope

OAAP factory certification validates compatibility of the Chooch interface with supported OnGuard versions. Certification applies to the interoperability of the interface and does not represent certification of Chooch AI model accuracy, cybersecurity posture, or individual customer detection configurations.

Bring AI-powered visual intelligence directly into your existing physical security workflow.

Chooch Vision AI enables organizations using OnGuard to detect defined security conditions in real time and automatically deliver actionable alarms to the operators responsible for responding.



Learn more:
Chooch.com

