



Introducing composition characteristics with object category

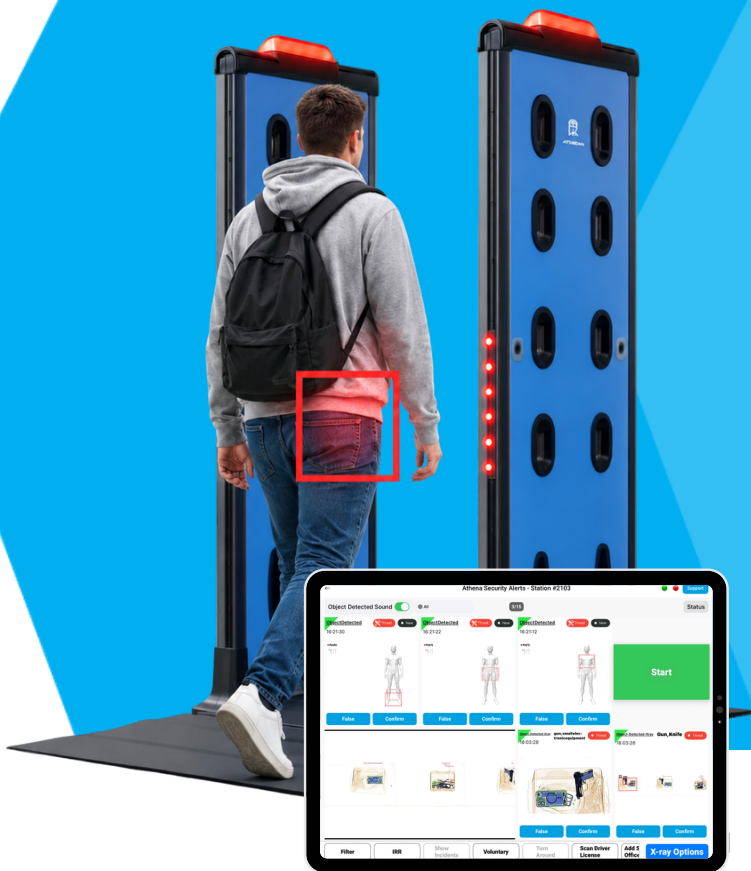
APOLLO 500

AI-Driven Concealed Weapons Detection

DETECTION + COMPOSITION INTELLIGENCE

The Apollo can tell you who, where, and now what.

Apollo 500 localizes a concealed metallic threat by location and identifies its material composition — helping your operators decide, in real time, whether to search, wave through, or escalate. Built for schools, hospitals, government, and commercial entrances.



Why Apollo 500



Material Composition NEW

Know if a detected object is ferrous (steel), aluminum, or a low-threat metal — so operators search smarter, not harder.



Fast Throughput

Screen 40 + people per minute with minimal impact on visitor flow.

At a glance

- ✓ Location and material of the threat
- ✓ Fewer unnecessary secondary searches
- ✓ Real-time alerts & LED indication
- ✓ Cloud reporting & digital audit trail
- ✓ Multi-site security management
- ✓ Supports a layered security strategy



AI-Powered Threat Detection

Localizes detected objects by location and helps reduce nuisance alarms with intelligent analytics.



Real-Time Operator Intelligence

Visual alarms, LED location indication, tablet monitoring, and face capture.



Built for Checkpoint Usecases

Healthcare, K-12, higher ed, data centers, corporate, critical infrastructure, government, stadiums & venues.

“We caught exactly 9 guns within the first 30 days and within 30 minutes we had caught our first gun”

Raymond Martinez

Director, Security & Public Safety at a large regional health system



Disclaimer: No System is 100% accurate, including this advanced Weapons Detection System



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APOLLO 500

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Technical Highlights

AI-Powered Detection

Material Composition HD

Four HD Cameras

Embedded AI Computer

Ethernet / Wi-Fi / 5G

POE Powered

IP55 Protection

Feature	Specification
Composition ID	Ferrous / non-ferrous material classification
Throughput	40+ people/minute
Detection locations	Up to 30
Detection Accuracy	Delivers industry-leading detection performance
Sensistivity	255 Levels
Power	POE • 100W
Connectivity	Ethernet, Wi-Fi, 5G
Protection	IP55

**Performance varies based on deployment and operating conditions.*

What Directors Care About

Composition ID

Classifies ferrous/non-ferrous material at time of alarm

Documented Decisions

Alarms are logged with location and material data for a digital audit trail.

See Apollo 500 in Action

Schedule a live demonstration and see how Athena's layered security platform detects threats — and identifies what they're made of — while working to keep your entrance welcoming.

[Schedule a Demo](#)



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