

WEAPONS DETECTION FOR EDUCATION

Agentic Physical Security that goes beyond gun detection — continuous situational awareness, high-fidelity alerts, and autonomous response across your entire campus.

THE CHALLENGE

Camera counts keep growing on campuses, but visibility has not improved. Active shooter threats drive urgent conversations, yet the real risk surface extends far beyond firearms. This includes fights in hallways, unauthorized visitors, tailgating through secured doors, loitering near entrances, and precursor behaviors that signal danger before an incident unfolds.

Narrow point solutions that only detect brandished firearms address a single frame of a much larger picture. They cannot see what happens before a weapon appears. They cannot search footage after an incident. They cannot monitor doors, correlate access events, or dispatch responders. Schools are left assembling disconnected tools that don't communicate, don't reason, and don't scale.

It's not a people problem; it's a systems problem. The National Institute of Justice found that humans lose about 95% of their attention on video monitors after just 20 minutes. Your security team isn't failing; their tools are.

THE AMBIENT.AI SOLUTION

Ambient.ai is the leader in Agentic Physical Security. The platform combines three products into a unified intelligence layer that transforms existing campus cameras into an always-on system that sees, thinks, assesses, and acts, all in real time.

AMBIENT FOUNDATION Situational Awareness	AMBIENT ADVANCED FORENSICS Investigation Speed	AMBIENT THREAT DETECTION Real-Time Prevention
AI-native VMS that transforms the SOC into an adaptive command center. Agentic Video Walls automatically surface the most relevant feeds based on live activity. Operators see what matters without scanning hundreds of screens.	When an incident occurs, security teams investigate in seconds, not hours. Semantic Search lets operators query video with natural language. Similarity Search traces a person's movement across every camera on campus.	150+ verified threat signatures detected and assessed in real time. Beyond brandished firearms: loitering near entrances, fence jumping, tailgating, fights, and aggressive behavior. One-click dispatch and Live Audio Talk Down close the loop from detection to response.



OUTCOMES THAT MATTER FOR CAMPUS SAFETY

<p>ALWAYS ON Situational Awareness</p> <p>Agentic Monitoring across every camera, 24/7</p>	<p>SECONDS Alert-to-Action</p> <p>High-fidelity alerts with zero false alarm noise</p>	<p>10X Faster Response</p> <p>Automated escalation, dispatch, and Talk Down</p>	<p>UP TO 20X Faster Investigations</p> <p>Natural language search reduces investigations from days to seconds</p>
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WHY EDUCATION TEAMS CHOOSE AMBIENT.AI

- **See threats before they escalate.** Precursor detection identifies loitering, fence jumping, fights, and tailgating, all warning signs that appear minutes before a weapon is drawn. Point solutions that only detect brandished firearms miss this critical window.
- **One platform, not five tools.** Ambient Foundation, Ambient Advanced Forensics, and Ambient Threat Detection work together on a single pane of glass. Video management, search, detection, and response, unified in one single interface.
- **No rip-and-replace.** Ambient.ai connects to your existing cameras. 200+ ONVIF-compliant models supported, including Axis, Hanwha, and Avigilon. Deploy in minutes.
- **Community trust.** Privacy by Design means no facial recognition and no personally identifiable information stored. SOC 2 Type II certified. Critical for parent and community confidence in K-12 environments.
- **Built for compliance.** Architected to align with GDPR, CCPA, and FERPA data standards. All video remains under school control; raw footage never leaves your environment.

HOW WEAPONS DETECTION HAS EVOLVED

Campus security technology has progressed through distinct generations. Understanding where a solution sits in this evolution is critical to evaluating its true capability.

GENERATION	APPROACH	LIMITATIONS	EXAMPLES
Gen 1	Hardware screening at entry points	High throughput friction, single choke-point coverage, no campus-wide visibility	Evolv, CEIA
Gen 2	Deep-learning object detectors that identify firearms in single video frames	Single-frame only, no behavioral analysis, no temporal reasoning, human analysts add latency	ZeroEyes, Omnilert
Gen 3	Domain-specific reasoning VLMs that have always-on, edge-optimized perception with continuous temporal reasoning	Purpose-built for physical security. Detects precursor behaviors, reasons about context and intent, initiates autonomous response	Ambient.ai



CAPABILITY COMPARISON

ZeroEyes and Omnilert are Gen 2 deep-learning object detectors focused narrowly on firearm identification in single video frames. Evolv uses Gen 1 hardware screening at building entry points. None offer behavioral analysis, temporal reasoning, access control integration, or forensic search.

CAPABILITY	AMBIENT.AI	ZEROEYES	OMNILERT	EVOLV
AI-native VMS with Agentic Monitoring	●	○	○	○
Reasoning Vision-Language Model (VLM)	●	○	○	○
Always-on, edge-optimized AI processing	●	○	○	○
Broadest threat library (150+ verified signatures)	●	○	○	○
Precursor alerts (loitering, fence jumping, tailgating)	●	○	○	○
Fight and assault detection	●	○	○	○
Brandished firearm detection	●	●	●	○
Real-time natural language video search	●	○	○	○
Similarity Search (trace a person across cameras)	●	○	○	○
One-click dispatch and automated escalation	●	●	●	○
Live Audio Talk Down	●	○	●	○
Programmable SOPs for automated response	●	○	○	○
Works with existing cameras (200+ ONVIF models)	●	●	●	○
No facial recognition (privacy by design)	●	●	●	●
SOC 2 Type II certified	●	●	●	●

● Full capability ● Partial/varies ○ Not available

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