

Challenge

School and city leaders are struggling to create a safe learning environment for students. In 2023, US schools spent an estimated \$3.5B on security measures, and an additional \$12B on security guards - yet school safety remains an urgent concern across the U.S. While violence tops the list of issues, bullying, theft, facility deterioration, unauthorized access and vandalism can all put students at risk.

Solution

Vaidio Vision AI can analyze, report, search and alert on campus camera streams to help identify, track, and isolate threats and incidents as they happen-and give school personnel the advantage of accurate, real-time information to respond with greater speed and efficiency. Vaidio AI-detection of weapons, smoke, fire, objects left behind, vandalism, crowds, and more, provides school security personnel with immediate alerts so they can act quickly and effectively before situations escalate.

Cost Effective

One barrier to applying computer vision technology widely and rapidly has been the high cost of purpose-built cameras dedicated to the task. Multiple point solutions and single-threaded cameras add both complexity and cost. Unlike single-function camera or proprietary alternatives, Vaidio adds advanced, accurate, and comprehensive intelligence to any new or existing IP-enabled security camera, extending the useful life of existing video infrastructure and lowering deployment and operating costs. And, Vaidio's highly efficient neural networks reduce computing resource requirements by up to 75%.

Holistic

Vaidio supports real-time, forensic search, and business intelligence applications across a comprehensive range of video analytics functions. This allows schools to address and upgrade the security posture of the entire campus. Rather than address issues such as vandalism, access control, or weapon detection in piecemeal patchwork fashion, the Vaidio Platform addresses the entire array of security, safety and access control applications through a single pane of glass. This holistic approach consolidates all safety and security applications, so that each component reinforces the others, creating a strong and unified security posture.



Vaidio is a single unified Vision AI platform that enables schools to take a cost-effective and comprehensive approach to safety and security, which results in a stronger, more cohesive campus operation, and a safer and more secure environment for students and staff.

Vaidio Vision AI

Without Vaidio Vision AI, cameras lack intelligence, and safety and security are disjointed; video search is manual and time consuming; and video is not available as a source of data for operations. Camera based and point solutions to these issues often add cost and complexity - and leave functional gaps in schools' fundamental security posture.

Vaidio Vision AI makes video available as a source of situational awareness and business intelligence, consolidating a broad range of video analytics functions into a single pane of glass.

DHS CISA Context <https://www.cisa.gov/school-safety-and-security>

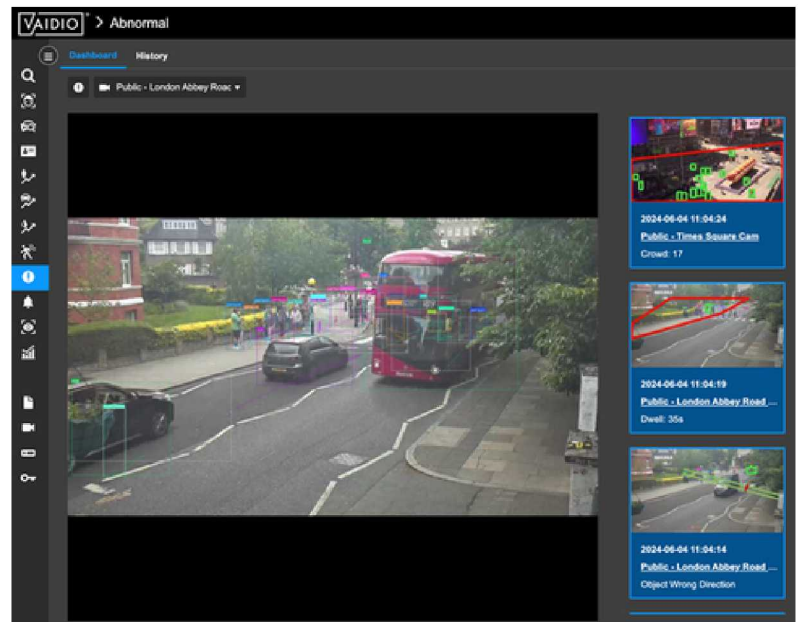
The Department of Homeland Security Cybersecurity & Infrastructure Security Agency notes that schools' existing video surveillance, access control, and fire detection systems lack intelligence, automation and integration. They recommend that schools "implement layered physical security elements." Thus, to foster student health and safety, schools are challenged to:

- Improve existing systems
- Accelerate response time
- Speed incident investigation
- Strengthen access control
- Increase integration
- Streamline campus management

The Vaidio AI Vision Platform

Vaidio applies AI to existing cameras to holistically upgrade the security posture of the entire campus across a comprehensive range of AI video analytics applications including:

- Access Control
- Crowd
- Fall
- Intrusion
- LPR
- Loitering
- Parking
- Perimeter
- PPE
- Privacy
- Speeding
- Temperature
- Theft
- Uniform
- Vandalism
- Vape
- Weapon



IronYun's Vaidio AI Vision Platform is an award winning and market leading solution in applied Vision AI and video analytics.

About PKA Technologies: A proven industry leader for over 25 years, PKA Technologies simplifies and delivers complex solutions and provides the right technologies and services to our clients. We continue to evolve with the industry by offering our customers the latest technologies available on the market. We pride ourselves in our longstanding relationships with our clients to assure that their business needs and initiatives are continuously met as technology evolves. A Nationally Certified Women Owned Business based in Montvale, NJ with offices in NYC, PKA prides itself as always putting the customer first, above all else.