

Visual Threat Detection

COMPUTER VISION
ANALYTICS
[VTD]

ZEROEYES VISUAL THREAT DETECTION
TURNS ANY CAMERA INTO A PROACTIVE
FIREARM AND KNIFE THREAT DETECTOR



Overview

ZeroEyes is the industry leader in Visual Firearm Detection, proactively identifying brandished firearms through existing security cameras. Operating at scale, we detect firearms daily, providing real-time alerts to security teams and law enforcement to mitigate gun violence. Now ZeroEyes is offering Visual Knife Detection, extending its mission by giving security professionals the tools to identify and respond to bladed weapon threats before they escalate.

Key Differentiators

DHS Safety Act Designation

Vetted as qualified anti-terrorism technology.

Privacy-Focused

No facial recognition, no behavioral tracking, and compliant with major data privacy laws (ISO 27001, SOC2 Type II, FERPA, HIPAA).

Proprietary

In-house developed, trained on real-world scenarios.

Proven & Scalable

ZeroEyes operates at the largest scale in the industry with daily firearm detections.

24/7 Human Verification

Only company with a U.S.-based, in-house monitoring team of military/law enforcement veterans.

Seamless Integration

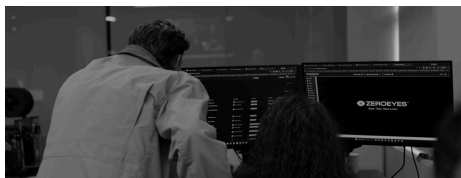
Works with various VMS and mass notification systems.

How It Works



1 Detection

Detects visible brandished firearms and knives. Runs 24/7 365 days a year.



2 Human Verification

Every detection is verified in house by military and law enforcement veterans in as fast as 3-5 seconds.



3 Alerting

Verified detections dispatched to the customer and local 911 dispatch center through ZE applications, integrations and phone call.

ZeroEyes Solution






- ✓ Firearm & knife detection using existing security cameras
- ✓ Proactive threat identification before shots are fired
- ✓ 24/7 human verification to mitigate false alerts
- ✓ Actionable intelligence for first responders, including image of the detection, weapon description, and precise location

The Problem We Solve

Traditional security cameras are reactive and ineffective for identifying threats in real time.

Law enforcement and security teams often lack critical information during a threat event, delaying response and increasing risk.

The Problem We Solve

-  Schools (K-12 & higher education)
-  Healthcare & religious institutions
-  Retail, malls, & transit centers
-  Corporate campuses & manufacturing
-  State, local and federal government including DoD

Requirements For VTD Deployment

Power Standard access to power (either 12V, 24V or 110V AC)

Space Requires protected space for our AI appliance, ZE Agile ~6x4.5x2.75"
Optional router, ZE Connect ~6.75x6x2".

Network ZE Agile connects to cameras via IP address, NVR, or VMS. Devices use DHCP or static IPs

ZE Agile initiates RTSP streams using a similar URL (e.g., rtsp://username:password@IP:554/stream-media/media.amp). Must provide camera IP, credentials, port (default 554), and make/model.

Minimum Camera Specs 720p (1280x720) or greater resolution, minimum 5 fps, 16:9 aspect ratio, ONVIF compliant, Up-to-date firmware available

Cellular and GPS ZE Agile needs a stable internet connection for alerting. Our router (if included) allows for reliability and remote management. Existing routers are acceptable if bandwidth is consistent and GPS is accessible.

System Architecture

