



Gun Detection: A Serious Challenge for Security, Risk Management and Law Enforcement Personnel.

OVERVIEW

The Exigent®-GR gun detection capability is based on AI technology developed for the US Army. The technology was originally developed to detect both drones and guns, based on the concept that a larger operational space allows more reaction time.

TECHNICAL

Current security camera systems require a human to identify gun threats. Even dedicated security professionals using the best camera system cannot provide 100% real-time observation.

An effective, proactive solution is needed to identify guns before they enter the building and shots are fired.

The Exigent-GR offers that solution. Exigent-GR offers the capability to:

DETECT — autonomously detect people with guns as early as possible, before shots are fired.

IDENTIFY — instantly analyze imagery using AI algorithms to determine type of gun (long gun vs. pistol).

ALERT — automatically notify security officials via text message or email showing person with the gun, their location and type of gun.

TRACK — follow the suspect's location in real-time, even if the gun has been discarded.

STOP — If a gun is detected a signal can be sent to lock a door with electronic locks or magnetic locks. If an electronic or magnetic lock is not available a pin can be released to drop into a pre-drilled hole that would place a barrier to opening the door.

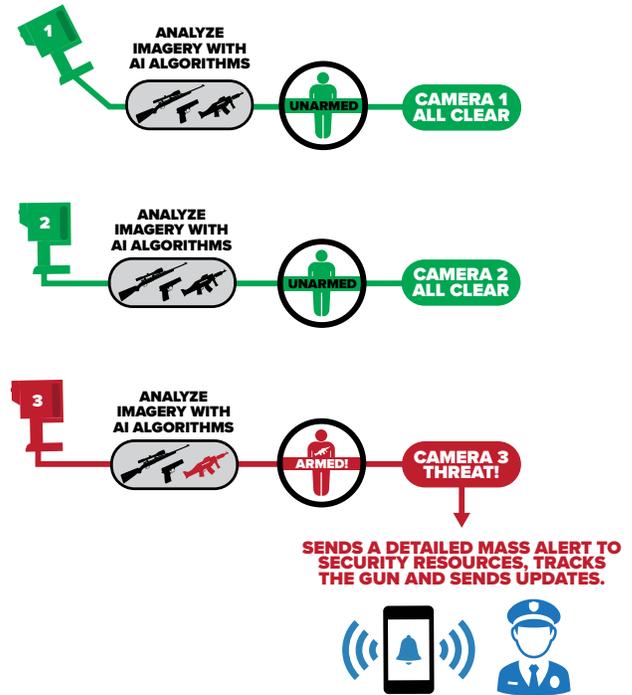


Exigent-GR combines state-of-the-art camera technology with sophisticated computer vision in a single robust device that autonomously scans and processes images to identify guns.



Exigent-GR autonomously detects people with guns, indoors or outdoors, and automatically identifies the weapon and sends alerts to security personnel.

How Exigent-GR Works



SECURITY / OPERATION

Exigent®-GR security features include role-based login, application authentication and message encryption. Further, the Exigent-GR Application Programmer’s Interface (API) operates inside a docker container isolating the API from the rest of the system as an extra layer of security, while ensuring the software does not conflict with other required system dependencies.

Training is provided on how to operate Exigent-GR, and how to understand the output, with onsite training available. A training manual is provided, and Exigent provides call center support as well.

LOGISTICS & LICENSING

Exigent-GR is a standalone unit installed by Exigent. Exigent-GR is licensed on a subscription basis.

SYSTEM REQUIREMENTS

Power	Exigent-GR operates off of facility 110V power
Internet Access	Exigent-GR connects to the Internet via the facility WiFi
Alert Access	Alerts are sent to computers and/or smart phones via the internet

Exigent-GR is installed by Exigent trained technicians.

PRODUCT DETAILS

Manufacturer	Arcarithm
Product Name	Exigent®-GR
Version	2020
Manufacturer Part Number	A2020EXGR
Product Type	SAAS
Delivery Method	Hand delivered for installation. Updates provided via remote digital upload, requires access to the internet

POWERED BY



As a security-focused company, Exigent provides proven AI-based solutions to protect against threats including guns and drones (also known as Unmanned Aerial Systems or UAS). Today’s world is consumed with digital images, but prior to Exigent assessing those images quickly and efficiently was a limitation for security response based on computer vision. By leveraging deep learning and long-short-term memory networks to analyze sensor data, Exigent uses proprietary computer vision technology to extend the benefits of AI to security applications. With the ability to autonomously and accurately detect targets of interest, Exigent is designed to protect lives and property.