flock safety

Build Better Cases with Layered Audio and Vehicular Evidence

FLCK-RAVEN-14-1YR
1 year subscription

Flock Safety Raven™ Audio Detection

Raven is an audio detection device that works in tandem with the Flock Safety Falcon ™ Automatic License Plate Reader (ALPR) camera to deliver the objective evidence officers need to respond to gunshots quickly, preserve critical evidence, and clear more cases. Raven recognizes gunshots, logs the location, and alerts law enforcement to the scene. Falcon cameras collect suspect vehicle leads at the perimeter and deliver them in a simple, map-based view for faster case resolution.

Key Benefits

Detect gunshots before 911 is called

Gunshots are only reported 12% of the time, and calls to 911 can take 10 minutes or more. Raven identifies gunshots with >90% accuracy in 60 seconds or less, so you can arrive on the scene quickly and confidently to locate evidence and save lives.

Decrease response times

Delayed 911 calls hinder victim aid and case clearance. Swift alerts and precise triangulation helps first responders find victims and shell casings with an easy, map-based view.

Recover more than shell casings

Get real-time leads for suspect vehicles in the area of the gunshot. While first responders render aid and collect ballistics evidence, Raven gets Dispatch and Patrol Officers the vehicle description and ALPR data they need to stop the getaway car.
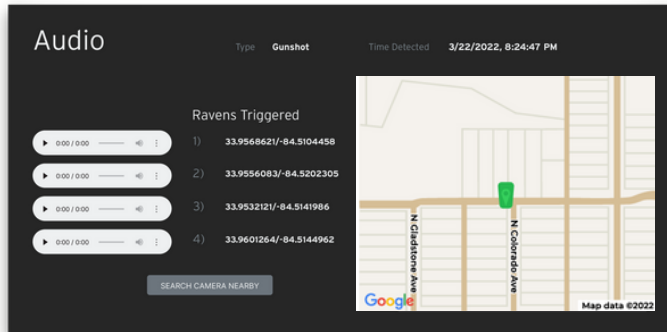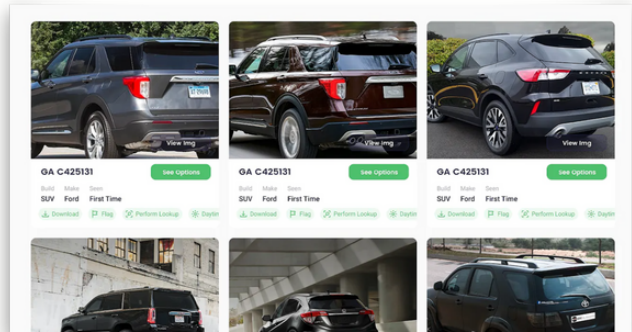
Scale to your city and budget for faster ROI

Experience fast, scalable deployment customized to your city layout. With affordable ¼ square mile coverage, you can focus your budget on driving positive results in the most dangerous areas first. Ready to expand? Installation takes as little as one week/per square mile.

Combine gunshot detection with ALPR evidence for more actionable leads

Audio Event Notification with Map

Nearby Camera Search Results

Single-point gunshot detection and traditional ALPR segment evidence into silos. Together, Flock Safety's Raven and Falcon bring incident location, audio evidence, and ALPR data* into a simple unified view. Access actionable evidence from your real-time intelligence center, desktop computer, or patrol vehicle MDT. That means Dispatchers, Detectives, and Patrol Officers can search Falcon cameras near the source of the gunshot for suspect vehicles and create Hot Lists to identify and alert officers of potential getaway vehicles in the surrounding area.

*Falcon ALPR cameras identify the following vehicle attributes: make, body type, color, and unique features like decals, bumper stickers, and accessories. Falcon ALPR cameras capture partial, missing, or covered license plates and identify temporary tags and state affiliation.

Join 90+ law enforcement agencies protecting their communities from violent crime using Flock Safety's audio detection and ALPR.

The Flock Safety Difference

Infrastructure-Light

Devices are solar-powered and connected by LTE, so you can scale fast and avoid extra utility costs.

Privacy-First

Raven does not record 24/7; the device only activates and collects audio evidence when a shot is fired.

Integrated ALPR Evidence

Create a perimeter around a crime scene to see who drove in and out before and after a gunshot to apprehend suspects faster and prevent more gun crime.

Hardware Specs

Dimensions

Height: 5.7 inches

Depth: 3 inches

Width: 3.9 inches

Weight: < 1 pound

Performance

90%+ gunshot identification accuracy

Localization accuracy within 90 square feet

<60 second gunshot to alert timeframe

Features

ESP32-WROOM-32D microcontroller

Syntiant NDP120 ML processor

LTE connectivity, Bluetooth, and GPS

3000ma battery (20-day lifespan)

Wake on Event (WoE) Firmware