

OnSound™ Portable Acoustic Gunshot Detection

ACCURATE AND COST-EFFECTIVE OUTDOOR GUNSHOT DETECTION

100% Self-powered

- Powered via a proprietary battery and power management system with the option to add bullet-resistant V5 Solar Panels, directly connect to AC power when available or a combination of both

Artificial Intelligence and Edge Computing

- Built using AI that runs entirely on the edge (on the device itself)
- Up to 90% accuracy at up to 250 feet; AI technology enables increased accuracy over time in its current environment
- AI allows the system to detect a broad range of gunshot types
- Up to 1500 feet of localizable acoustic range

Real-Time Alerts

- Receive real-time acoustic alerts sent via email and text
- View information through the V5 MMS (Multi-Sensor Monitoring System) available through a web-based portal and Android/iOS app
- Get alerts with an audio clip, direction of gunshot, location pinpointed on Google map
- Triangulation pinpointed when multiple units are deployed

Wireless Communications

- Get the convenience of onboard Wi-Fi, cellular or radio frequency outdoor

Storage

- Up to 1TB of onboard storage
- 200GB of Cloud storage

PORTABLE, SELF-POWERED OUTDOOR GUNSHOT DETECTION

Rapidly deploy pre-configured, self-contained OnSound units and get real-time alerts during active shooter events.

Purposefully designed for rapid action:

1. Deploy technology in under 30 minutes per unit
2. The software collects and analyzes gunfire sounds on the device itself within milliseconds
3. Information is validated through AI and sent to the user within seconds

BENEFITS:

Fast Deployment

- Deployable in under 30 mins per unit
- Effortless setup

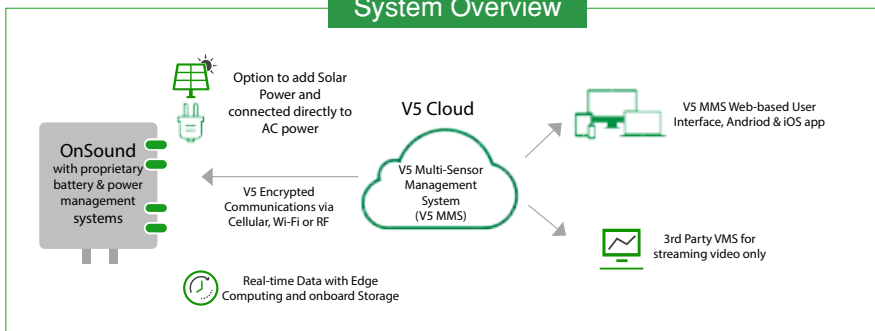
Lower Cost

- No need to trench for power or connectivity
- 2-year warranty included

Increased Awareness

- Decrease risk exposure
- Reduce crime
- Deter criminals

System Overview

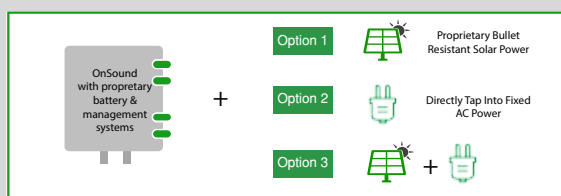


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GSA Schedule 70 GS35F115BA
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The OnSound Portable Acoustic Gunshot Detection is the world's first wireless, portable acoustic gunshot locator device. By continuously monitoring ambient environmental audio, the sensor is able to both detect and localize the source of gunfire using pre-trained Artificial Intelligence methodologies and provide real-time location information for each gunshot event. The OnSound is built upon an AI methodology utilizing neural networks, which are computational models based on the human brain to recognize when a gunshot has occurred. This enables our system to learn what a gunshot sounds like, in much the same way a human learns to recognize and classify sounds. This allows the system to detect a much broader range of gunshots without relying on a human-specified model or set of heuristics.

When multiple units are deployed, they can share data and work together to triangulate the source of one or more gunshots, determining precise locations and sending real-time audio alerts via email and/or text to authorized first responders and security personnel. Detection range of one unit, in its default configuration and accuracy level, is approximately 300-1000 feet, depending heavily on the environment in which the unit is placed. Flat, rural, temperate environments provide the longest detection range and urban, hot, heavily obstructed environments provide the shortest. The solution is packaged in a ruggedized enclosure for easy deployment and re-deployment in any outdoor environment.

Multiple Power Source Options



Get the flexibility of 3 power options. All solutions include a proprietary battery and power management system and can be powered via bullet-resistant V5 Solar Panels, AC power or a combination of both. When connected to AC power, the battery and power management system acts as backup power when fixed power goes down.

Multi-sensor Platform To Fit Your Needs

OnSight Portable Surveillance Unit for Situational Awareness

Need to add outdoor surveillance? This unit gives you a 24/7 live video feed from anywhere.



OnSight Portable Surveillance Unit with Video Analytics

Add surveillance units with advanced video analytics to detect people and vehicles in defined zones.



OnSight Portable License Plate Reader

License plate reader to help identify, alert and record license plates on still or moving vehicles.



Service

The V5 Multi-Sensor Secured Operating Center (V5 MSOC) provides state-of-the-art monitoring options to ensure your satisfaction and pride of ownership over the long-term.

Gunshot Detection Analytics Alert Verification

Allow the V5 MSOC to verify, report and respond to gunshot analytics alerts on your behalf.

Remote Guarding

Get the protection of a virtual security guard to keep your premises and assets secured. Randomized digital security checks are implemented twice a day (can be upgraded to more) with a customizable customer response model.

Platform Health And Power Status Monitoring

Keep your security solutions up-to-date and operational with the ability to remotely check the health and power status of your units.

Network Security

Data and Communication.....Proprietary V5 encryption using 2K RSA keys (2048 bits) with overall encryption using AES 256 (256 bit keys). SSL encryption for UI access.

Physical.....Physical locks, GPS tracking system for live location reporting, shock / motion sensor against any unauthorized/unscheduled movement of the units.

Physical Specs

Enclosure.....IP66
Dimensions.....21" L x 15" W x 9" D
Weight.....25 lbs.
Bracket Weight.....7 lbs.

- Includes 2 Year Warranty
- RSA-2048 Keys, AES-256 encryption

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