

SDS Indoor Gunshot Detection System

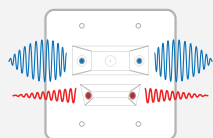
Engineered for Precision,
Performance, and Saving Lives

Our goal is to save lives impacted by gun violence. We do this by providing customers with the tools they need to be prepared for an active shooter threat. Our battle-proven technology detects gunfire instantly and notifies occupants and 911 within seconds, maximizing situational awareness for first responders and minimizing the loss of precious time.

Our proven system uses acoustic and infrared sensors for unparalleled accuracy and virtually eliminates the potential for disruptive false alerts. Our software distributes critical shot location information to all parties—building occupants, key stakeholders, and 911—simultaneously and in real-time, so everyone impacted can act with life-saving speed.



SDS Indoor sensors are offered in Power-over-Ethernet (PoE) and wireless sensors that blend seamlessly into your infrastructure, detecting and reporting the presence of gunfire in a building.



SHOT FIRED

Acoustic and infrared
muzzle flash detected

ALERT SENT
< 1/2 second



SHOT LOCATION MAPPED

- SMS Sent
- 911 Dispatched



**SEAMLESS
INTEGRATION**
with other security systems

THE ONLY GUNSHOT DETECTION SYSTEM WITH ACTIVE SHOOTER INTELLIGENCE™

**Patented dual-mode, acoustic and muzzle flash
detection for fast, accurate gunshot detection.**

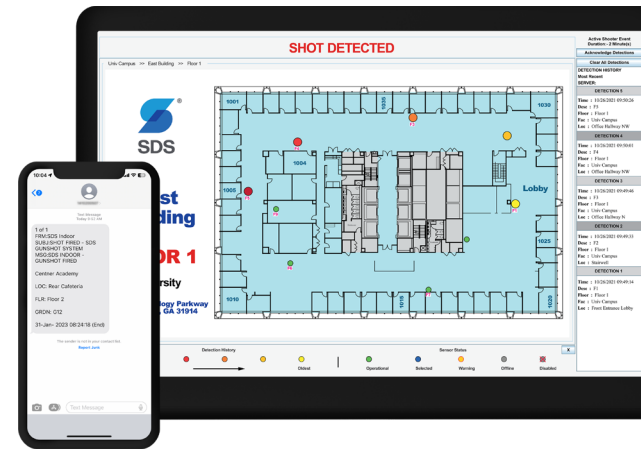
By combining purpose-built acoustic and infrared sensors with proprietary detection that virtually eliminates false alerts. We combine acoustic detection with infrared muzzle flash detection for maximum accuracy and minimal false alerts—with no line of sight to the weapon required. Our processing is done at the edge, within the sensor. Our technology approach preserves the privacy of your people, is safe to operate on your network, and triggers the systems you already rely on with unbeatable speed and accuracy.

Respond in seconds with no humans in the loop.

Our sensor's high performance Digital Signal Processing provides real-time alerting within 1/2 a second. This is where our software smarts take over pinpointing location, notifying employees, 911, and first responders—all while connecting seamlessly with leading security applications and platforms to expand your situational awareness.

Software highlights

- Floor plan mapping software displays a visual location of the shooting
- SMS text and email notifications automatically sent to key stakeholders
- NEW ResponderLink technology automatically alerts 911 via voice and URL dashboard with real-time updates of the incident in progress.
- Extremely low bandwidth requirement for efficient network data transmission
- Enterprise level cybersecurity and administrative controls



WHY CHOOSE SDS?



ACCURACY

**Detect with confidence.
Avoid false alerts.**

Statistically speaking, it's a 99.9% detection rate and less than 1 false alert per 5 million hours of sensor use.



SPEED

Know in time to save lives

Real-time alerting means we can instantly notify employees, 911, and first responders when seconds matter most.



INTEGRATION

**Connect seamlessly
with security systems.**

Automate and leverage the security assets you've already invested in to further expand incident awareness.



SCALABLE

**Built for organizations
of all types and sizes.**

Scale with ease, speed, and efficiency. At workplaces, schools, airports, and more. No triangulation or calibration required—each sensor is plug-and-play to scale from one to thousands of sensors.



PROVEN

**Validate our performance with testing,
certifications, and experience.**

Trust the leader with 300+ million operational hours in over 500 customer sites and the only U.S. Department of Homeland Security SAFETY Act Certified gunshot detection system on the market.



PRIVACY

**Protect your people, data,
and network security.**

Purpose-built microphones that can only hear high decibel, impulsive sounds, not conversations.

GIVE 911 A FULL PICTURE OF THE INCIDENT IN PROGRESS



Seconds can save lives in active shooter incidents, yet precious minutes are often lost before anyone calls 911. Our new ResponderLink service harnesses the speed and accuracy of our gunshot sensor data by pushing location information and more right to the 911 call taker's screens, giving them a real time dashboard full of actionable intelligence they need to get police and EMS to the scene fast.

CHOOSE THE PROVEN LEADER IN GUNSHOT DETECTION

We were first to market indoor gunshot detection and we continue to lead the market today. SDS Indoor has more hours in use, testing, certifications, awards, and customers, than any other gunshot detection product on the market. We are 100% focused on gunshot detection and as an Alarm.com company, we never stop innovating to save lives. Contact us today to learn why SDS is the best investment you can make to protect your people from active shooters.



*SDS Indoor Gunshot Detection (formerly Guardian) is SAFETY Act Certified by the U.S. Department of Homeland Security.
NPSA rated product: Approved for UK Government use, for details contact NPSA

SDS Perimeter Outdoor Gunshot Detection Sensor



Now extend your building's gunshot detection capabilities outside. SDS Perimeter uses the same dual-factor acoustic and infrared technologies found in the SDS Indoor Gunshot Detection System that result in a 99.9% detection accuracy rate. In addition, SDS Perimeter has been built from the ground up specifically for outdoor operations using first-of-its-kind gunshot detection technology and is IP rated to stand up to the elements. Earlier versions of the SDS Perimeter technology were rigorously tested in the field with excellent results by the US Department of Homeland Security.

Unlike other outdoor systems, SDS Perimeter is not a listening device—no audio leaves the sensor, and the microphones are tuned for high-decibel impulsive sounds. It can operate as a standalone or multiple outdoor sensor system and works seamlessly with SDS Indoor, giving your organization complete situational awareness during a gun violence event.

Detection Technology: Active Shooter Intelligence

- **Acoustic Muzzle Blast Detection:** High decibel, impulsive sound microphones customized for fast response and recovery from acoustic overpressure with no applied gain (no voice audio captured or processed by the sensor)
- **Infrared Muzzle Flash Detection:** High gain infrared sensors developed specifically for longer-range, outdoor IR detections with no line of sight to the weapon required
- **Active Shooter Intelligence:** Advanced machine learning techniques provide enhanced detection processing capabilities
- Alerts in less than 3 seconds
- Identifies firearm type: long-gun vs. handgun
- Detects low caliber handgun (e.g., 9-millimeter) to high powered long-gun. Sub and Supersonic detection capabilities
- Identifies firearm caliber and range
- Detection accuracy rate greater than 99%
- Privacy Protections: No voice level audio recording capabilities, no human verification required

SDS Perimeter: Product Specifications

SDS Perimeter is a PoE sensor utilizing our proven dual-mode acoustic and infrared technology and is built for ease of installation. SDS Perimeter is affixed to a wall utilizing a 24-inch mounting arm. SDS Perimeter is truly plug-and-play, requiring no calibration during or after installation.



Size	8.1" W x 7.1" H x 5.1" D (205 mm W x 181 mm H x 130 mm D)
Weight	2.1 lbs (0.95 kg)
Mounting Arm Length	24 inches (610 mm)
Mounting Arm Weight	1.55 lbs (0.70 kg)
Coverage	180°
Temperature Rating	-35°C to 45°C
Detection Range	100 Feet Left/Right/Center, 15,700 Square Feet Field of view coverage, no line of sight required Firearm caliber will determine minimum and maximum detection range values

Mounting Options

Mounting Height	12 to 16 Feet
Mounting Surfaces	Concrete, Brick, Wood

Testing

IP Rating	IP65
Compliance Testing	FCC Part 15 Class A CA Emissions Compliance: ICES-003 RoHS Compliant

Power and Communications

Standard Power over Ethernet (PoE), 10/100 Ethernet
802.3af Compliant, Modes A & B

Communications Protocol	TCP	Static IP Support	Yes
Security Protocol	TLS	Power Consumption	10 Watts
DHCP Support	Yes	Power Connector	RJ45

Monitoring & Maintenance

Recommended Testing	Annual	Sensor BIST	Internal IR and Acoustic Sources
Heartbeat Message	Every 15 Seconds	Tamper Alert	Accelerometer-based