

Gunshot Detection System Industry Report: Competitive Landscape and Future Prospects

*The Business Research Company's
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/EINPresswire.com/ -- "The gunshot

detection system market has been

evolving rapidly, driven by technological advancements and increasing safety concerns in urban environments. As cities and public spaces look to enhance security, these systems are becoming critical tools for law enforcement and emergency responders. Let's explore the current market size, growth drivers, regional dynamics, and emerging trends shaping this important sector.



Expected to grow to \$2.42 billion in 2030 at a compound annual growth rate (CAGR) of 8.9%"

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Steady Growth Outlook for the Gunshot Detection System Market

The gunshot detection system market has demonstrated strong growth in recent years, with its value projected to rise from \$1.57 billion in 2025 to \$1.72 billion in 2026. This represents a compound annual growth rate (CAGR) of 9.6%. The expansion witnessed during the historic period is largely due to widespread deployment of acoustic sensor

networks in urban centers for accurate gunfire detection and localization. Additionally, the increasing adoption of centralized detection software has enhanced incident verification, while installations across schools, campuses, and public venues continue to grow. The development of mobile integration platforms allowing real-time alerts for responders and the incorporation of camera modules for visual confirmation also significantly contribute to market growth.

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Long-Term Market Potential and Technological Advances

Looking ahead, the market is expected to continue its upward trajectory, reaching \$2.42 billion

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by 2030 at a CAGR of 8.9%. This forecasted growth is underpinned by the rising use of artificial intelligence-based false alarm filtering, which boosts detection reliability. Further adoption of incident mapping and analytics tools supports law enforcement decision-making, while smart-city security initiatives are increasingly incorporating gunshot detection features. Demand is also rising for scalable solutions suitable for large public infrastructure and transportation hubs. The emergence of integrated multi-sensor platforms that combine acoustic, optical, and infrared technologies promises even greater detection accuracy. Key trends anticipated during this period include advancements in real-time acoustic triangulation, city-wide surveillance integration, increased deployment of mobile and soldier-mounted detection units, expansion of indoor detection systems in commercial buildings, and the development of hybrid detection methods to reduce false alarms.

Understanding Gunshot Detection Systems and Their Functionality

A gunshot detection system is a technology-driven solution designed to automatically identify, locate, and alert authorities to gunfire incidents. It typically employs a network of acoustic sensors that capture the distinctive sound signature of gunshots. Sometimes these systems are enhanced with infrared or optical sensors to improve detection accuracy. Once a gunshot is detected, the system calculates its precise location in real-time and promptly relays the information to emergency responders, enabling faster and more effective intervention.

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Rising Gun-Related Incidents Fuel Demand for Detection Systems

An important driver of market growth is the increasing frequency of gun-related incidents. These incidents encompass various crimes involving the use, possession, or discharge of firearms, including shootings, armed assaults, and offenses involving imitation weapons. The greater availability of firearms has made it easier for individuals to obtain and misuse them, leading to a rise in such events. Gunshot detection systems help address this challenge by enabling rapid recognition and pinpointing of gunfire locations, which supports quicker law enforcement response, enhances public safety, and can potentially prevent further violence. For example, in September 2024, data from the UK's Office for National Statistics showed a 6% increase in firearm-related offenses for the year ending March 2024, totaling 6,447 incidents compared to 6,060 the previous year. This increase was largely driven by a 23% rise in offenses involving imitation firearms, illustrating the growing need for effective detection solutions.

Regional Overview of the Global Gunshot Detection System Market

In 2025, North America held the largest share of the gunshot detection system market, benefiting from significant infrastructure investments and high adoption rates of advanced security technologies. Meanwhile, the Asia-Pacific region is expected to experience the fastest growth throughout the forecast period, driven by urbanization, rising security concerns, and smart city projects. Other key regions analyzed in the market include South East Asia, Western

Europe, Eastern Europe, South America, the Middle East, and Africa, all contributing to the global landscape of this expanding market.

Our latest 2026 market reports provide expanded strategic and visual intelligence with market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, together with updated graphics and tables.

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