

Sensor-based Gun Systems Market Report by Type (Sensor-based Man-Portable Guns, Sensor-based Turret Guns), Application (National Defense, Law Enforcement), and Region 2023-2028

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Abstracts

The global sensor-based gun systems market size reached US\$ 5.17 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 8.32 Billion by 2028, exhibiting a growth rate (CAGR) of 8.3% during 2022-2028. The growing incidence of public shooting, rising investments by governing agencies of various countries to enhance border security, and increasing integration of newer technologies to prevent a major catastrophe represent some of the key factors driving the market.

Sensor-based gun systems, also known as smart gun systems or smart firearms, are advanced weapons that incorporate various sensors and technology to enhance their functionality and safety features. They gather real-time data, provide feedback to the user, and improve accuracy, reliability, and overall performance. They also employ sensors, such as gyroscopes, accelerometers, and optical devices, to precisely track the position, orientation, and movement of the gun for improved targeting and enhanced accuracy while reducing the chances of missed shots. They possess biometric sensors or radio frequency identification (RFID) technology, which enables the firearm to recognize authorized users and prevent unauthorized individuals, such as children or criminals, from operating the weapon to reduce the risk of accidents and misuse. They incorporate laser sights or heads-up displays (HUDs) that provide real-time visual feedback to the user. They also assist in target acquisition, aim correction, and overall situational awareness, particularly in low-light conditions or high-stress situations.

Sensor-based Gun Systems Market Trends:

At present, there is a rise in the incidence of public shootings, leading to the installation of various security measures to alert authorities and warn people in proximity about the location of the shooting acts. This, along with the growing awareness among the

masses about the benefits of sensor-based gun systems around the world, represents one of the key factors positively influencing the market. Besides this, governing agencies of various countries are investing in smart gun systems as they assist border security forces in averting and detecting any infiltration, illegal immigration, and smuggling attempts. They also help identify perpetrators and detect illegal entries, which is catalyzing the demand for sensor-based gun systems. Moreover, key manufacturers are using standardized protocols, which can seamlessly integrate with security camera and video management systems to detect gunshots or analyze the structure of a gun and alert the concerned authorities. In line with this, they are integrating newer technologies into their products by developing a newer range of gunshot detection systems that can proactively spot and prevent a major catastrophe. In addition, the growing utilization of sensor-based gun systems to automatically detect, verify, and rapidly notify police dispatchers and officers of the specific times and locations of firearm discharges is offering a favorable market outlook.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global sensor-based gun systems market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on type and application.

Type Insights:

Sensor-based Man-Portable Guns

Sensor-based Turret Guns

The report has provided a detailed breakup and analysis of the sensor-based gun systems market based on the type. This includes sensor-based man-portable guns and sensor-based turret guns. According to the report, sensor-based man portable guns represented the largest segment.

Application Insights:

National Defense

Law Enforcement

A detailed breakup and analysis of the sensor-based gun systems market based on the application has also been provided in the report. This includes national defense and law enforcement. According to the report, national defense accounted for the largest market share.

Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for sensor-based gun systems. Some of the factors driving the North America sensor-based gun systems market included the growing investment by governing agencies, increasing number of public shootings, rising demand for sensor-based gun systems among law enforcement agencies, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global sensor-based gun systems market. Detailed profiles of all major companies have been provided. Some of the companies covered include iGun Technology Corporation, Thales Group, Yardarm Technologies Inc., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global sensor-based gun systems market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global sensor-based gun

systems market?

What is the impact of each driver, restraint, and opportunity on the global sensor-based gun systems market?

What are the key regional markets?

Which countries represent the most attractive sensor-based gun systems market?

What is the breakup of the market based on the type?

Which is the most attractive type in the sensor-based gun systems market?

What is the breakup of the market based on the application?

Which is the most attractive application in the sensor-based gun systems market?

What is the competitive structure of the global sensor-based gun systems market?

Who are the key players/companies in the global sensor-based gun systems market?

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