

Signals Intelligence Market to Surpass USD 26.57B by 2032 Driven by Technological Advancements & Security Threats

The Signals Intelligence Market is growing rapidly, driven by increased reliance on digital tech and demand for advanced surveillance solutions.

AUSTIN, TEXAS, UNITED STATES, January 31, 2025 /EINPresswire.com/ -- The [Signals Intelligence Market](#) size was USD 16.37 Billion in 2023 and is expected to reach USD 26.57 Billion by 2032 and grow at a CAGR of 5.57% over the forecast period of 2024-2032.

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Keyplayers:

- Harris Corporation (Communication Systems, Electronic Warfare)
- Northrop Grumman Corporation (Cybersecurity Solutions, Surveillance Systems)
- BAE Systems (Electronic Warfare, Cyber Intelligence)
- Raytheon Company (Radar Systems, Electronic Warfare Solutions)
- Lockheed Martin Corporation (Advanced Communications, Surveillance Technologies)
- Mercury Systems Inc. (Sensor Processing Solutions, Electronic Warfare)
- Elbit Systems Ltd. (Intelligence, Surveillance and Reconnaissance Solutions)
- Thales Group (Cybersecurity, Electronic Warfare Systems)
- Rheinmetall AG (Defense Electronics, Surveillance Solutions)
- General Dynamics Corporation (Cybersecurity, Communication Systems)
- L3Harris Technologies (Communication and Electronic Warfare Solutions)
- Cisco Systems Inc. (Network Security, Cyber Intelligence Solutions)
- Leonardo S.p.A. (Electronic Warfare, Intelligence Solutions)
- Saab AB (Electronic Warfare, Cyber Defense Solutions)
- AeroVironment, Inc. (Unmanned Aircraft Systems, Surveillance Technologies)
- Kongsberg Gruppen (Defense Systems, Surveillance Solutions)
- Cubic Corporation (Training and Simulation Systems)
- Rohde & Schwarz GmbH & Co. KG (Radio Communication, Electronic Test and Measurement)
- Inmarsat plc (Satellite Communication Solutions)
- Viasat Inc. (Satellite Communication, Cybersecurity Solutions)

Growth Drivers and Challenges in the Signals Intelligence Sector

The signal intelligence market is growing due to increased reliance on digital communication

technologies, AI, and machine learning. These developments enhance processing speed, detection of anomalies, and identification of threats. Still, growth faces challenges such as complex communication networks, encrypted traffic, and compliance with regulations. The growth in encrypted communication and the resultant need for more advanced decryption capabilities further spur development. High investment in cybersecurity and increasing military expenditure continue to stimulate demand for SIGINT systems, mainly in defense, cybersecurity, and law enforcement applications. Moreover, the integration of drones for SIGINT operations enhances the growth prospects for the market.

Segment Analysis

By type

The Electronic Intelligence (ELINT) segment is dominant in the SIGINT market, accounting for a significant share of the market revenue. ELINT plays a very important role in both military and civilian applications, being critical intelligence for defense and security operations. Whenever military operations become complicated, then demand for ELINT system goes on increasing, and with electronic warfare capability, the modern military decision-making becomes feasible. The ELINT systems are mainly used for enemy radar and communication signals detection and analysis in military strategy. Integration of AI and ML in these systems has enhanced the precision and efficiency of ELINT systems and has thus contributed to its market dominance.

By mobility

The fixed segment is the leading contributor to the SIGINT market, with a share of 73.12% in 2023. The more fixed SIGINT systems are preferred these days owing to its long-range monitoring and passive data collection capability. Such systems collect intelligence without sending signals, thus remaining the most stealthy hard-to-detect type. These systems are indeed very essential for military, intelligence, and national security agencies with a constantly growing demand for covert surveillance, thus making them the market leader.

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Regional Analysis

North America dominated the Signals Intelligence Market in 2023, capturing over 37.8% of the market share. Growing defense budgets and acceleration in AI technology have enabled the region's leadership. Specifically, the United States has invested considerably in SIGINT technologies driven by the need to meet and respond to rising geopolitical challenges with countries such as China and Russia. Therefore, at heightened complexities of security threats globally, SIGINT plays an essential role in mitigating risks by being at the forefront of identifying threats before they actually take place.

The Asia Pacific region is projected to experience the fastest growth in the SIGINT market. The region's rising military and geopolitical tensions, compounded by the emergence of new threats, have driven the demand for advanced intelligence systems. For example, China is now investing more in SIGINT technologies for both national defense and internal surveillance. In 2023, China

significantly increased investments in the SIGINT system to monitor communications and manage internal social control.

Recent Development

□ In August 2024, BAE Systems announced that it had been awarded a USD 48 Million contract from the Air Force Research Laboratory to advance its Insight system. The Insight system is a next-generation Intelligence, Surveillance, and Reconnaissance (ISR) exploitation and resource management system that leverages AI, machine learning, multi-level fusion, predictive analytics, and automation.

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