

South Korea Electronic Warfare Market Size, Share, Trends and Forecast by Product, Equipment, Capacity, Platform, and Region, 2026-2034

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Abstracts

The South Korea electronic warfare market size reached USD 381.0 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 538.3 Million by 2034, exhibiting a growth rate (CAGR) of 3.80% during 2026-2034. The market is driven by evolving geopolitical tensions, a heightened need for advanced surveillance and self-protection capabilities, and continuous military modernization efforts. Rapid technological advancements, particularly in AI and signal processing, also propel the South Korea electronic warfare market share.

SOUTH KOREA ELECTRONIC WARFARE MARKET TRENDS:

Integration of Artificial Intelligence and Machine Learning

A significant trend in the South Korea electronic warfare market is the increasing integration of Artificial Intelligence (AI) and Machine Learning (ML) into EW systems. These advanced algorithms enable faster and more efficient decision-making by facilitating real-time threat analysis, signal identification, and adaptive jamming techniques. AI-driven EW systems can learn from evolving electronic threats, allowing for more precise and rapid responses in complex electromagnetic environments. This technological advancement is crucial for maintaining a competitive edge and enhancing situational awareness, thereby contributing significantly to the South Korea electronic warfare market growth. For instance, in January 2025, South Korea's LIG Nex1 signed a USD 10.5M deal with DRATRI to develop next-generation mobile ad hoc network (MANET) systems for the Republic of Korea Army (RoKA). The systems will equip drones, troops, and combat vehicles, supporting uncrewed operations. The project aligns with RoKA's Army Tiger 4.0 modernization program, transforming soldiers into

sensor nodes in an AI-driven network. Completion is expected by 2027, reinforcing South Korea's push for advanced, hyperconnected battlefield communications amid evolving defense strategies.

Focus on Self-Protection and Counter-Drone Capabilities

The escalating sophistication of electronic warfare threats, including the proliferation of unmanned aerial vehicles (UAVs) and advanced cyber-physical attacks, is driving a strong focus on self-protection and counter-drone capabilities within the South Korean military. Modern EW systems are increasingly designed to detect, counter, and neutralize these emerging threats, ensuring the survivability of platforms and personnel. This involves investments in sophisticated electronic countermeasure pods, radar jamming systems, and signal spoofing technologies. The imperative to safeguard critical assets against diverse electronic attacks is a key factor driving the South Korea electronic warfare market growth. For instance, the recent partnership between Northrop Grumman and LIG Nex1 aims to develop airborne electronic warfare (EW) and targeting systems for South Korea. The collaboration includes advanced EW technologies like the ALQ-257 system and LITENING targeting pod, which enhance situational awareness, survivability, and precision targeting. This partnership leverages Northrop Grumman's global defense expertise and supports the Republic of Korea's military modernization efforts, strengthening domestic EW capabilities through cutting-edge, mission-focused solutions for F-16s and other platforms.

SOUTH KOREA ELECTRONIC WARFARE MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country/regional level for 2026-2034. Our report has categorized the market based on product, equipment, capacity, and platform.

Product Insights:

EW Equipment

EW Operational Support

The report has provided a detailed breakup and analysis of the market based on the product. This includes EW equipment and EW operational support.

Equipment Insights:

Jammer

Countermeasure System

Decoy

Directed Energy Weapon

Others

A detailed breakup and analysis of the market based on the equipment have also been provided in the report. This includes jammer, countermeasure system, decoy, directed energy weapon, and others.

Capacity Insights:

Electronic Protection

Electronic Support

Electronic Attack

The report has provided a detailed breakup and analysis of the market based on the capacity. This includes electronic protection, electronic support, and electronic attack.

Platform Insights:

Land

Naval

Airborne

Space

The report has provided a detailed breakup and analysis of the market based on the platform. This includes land, naval, airborne, and space.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea electronic warfare market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea electronic warfare market on the basis of product?

What is the breakup of the South Korea electronic warfare market on the basis of equipment?

What is the breakup of the South Korea electronic warfare market on the basis of capacity?

What is the breakup of the South Korea electronic warfare market on the basis of platform?

What is the breakup of the South Korea electronic warfare market on the basis of region?

What are the various stages in the value chain of the South Korea electronic warfare market?

What are the key driving factors and challenges in the South Korea electronic warfare market?

What is the structure of the South Korea electronic warfare market and who are the key players?

What is the degree of competition in the South Korea electronic warfare market?

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