

Airborne ISR Market Size, Share, Competitive Landscape and Trend Analysis Report

*The Business Research Company's
Airborne ISR Global Market Report 2025 -
Market Size, Trends, And Global Forecast
2025-2034*

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How Large Will The Airborne ISR Market Be By 2025?

[The size of the airborne ISR market](#) has seen considerable growth over the past few years. The

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market size is projected to expand from \$29.72 billion in 2024 to \$31.59 billion in 2025, following a compound annual growth rate (CAGR) of 6.3%. This historic growth rate can be credited to military confrontations, geopolitical unrest, increased defense budgets, the looming threat of terrorism, and various government initiatives.

In the coming years, the airborne ISR market is projected to experience substantial growth, reaching \$40.86 billion in 2029 with a compound annual growth rate (CAGR) of 6.6%. The anticipated growth during the forecast period is primarily due to the increasing demand for continuous

surveillance, economic expansion, environmental oversight, and ongoing military modernization. The forecast period is expected to be characterized by key trends such as micro UAVs and miniaturization, AI-powered and autonomous systems, hyperspectral and multispectral imaging, space-centered ISR, and data fusion and integration.

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What Are The Major Driving Forces Influencing The Airborne ISR Market Landscape?

The threat of escalating terrorism is predicted to spur the airborne ISR market's growth. Terrorist acts are violent actions carried out by certain groups aimed at instilling fear among the populace to further a political agenda. An uptick in global terrorist attacks is anticipated to increase the demand for airborne ISR as governments and numerous security organizations are heavily investing in advanced technology systems to forecast and eradicate potential terror strikes, fostering peace and stability. For instance, as per the Institute for Economics and Peace, an Australia-based think tank, the number of fatalities from terrorism rose in 2022, causing an average of 1.7 deaths per attack compared to 1.3 deaths per attack in 2021, reported in March 2023. Therefore, the impending terror threats are likely to escalate the demand for airborne ISR systems and software in the projected timeframe.

Who Are The Top Players In The Airborne ISR Market?

Major players in the Airborne ISR Global Market Report 2025 include:

- Raytheon Technologies Corporation
- Lockheed Martin Corporation
- BAE Systems plc
- Northrop Grumman Corporation
- L3Harris Technologies Inc.
- General Atomics Aeronautical Systems Inc.
- The Boeing Company
- Elbit Systems Ltd.
- Textron Inc.
- Thales Group

[What Are The Key Trends Shaping The Airborne ISR Industry?](#)

The proliferation of rapid technological advancement is a noteworthy trend emerging within the airborne ISR market. Many primary companies are concentrating their efforts in the airborne ISR market to deliver solutions that are technologically sophisticated, aiming to satisfy the escalating demand of the end-users and fortify their global market standing. These firms are integrating next-generation airborne ISR systems and software technologies into their offerings, using artificial intelligence, big data analytics, robotics, satellite systems, evidence reporting, and geothermal reporting, along with quantum technology to compile data regarding the enemy's strength, actions, and movements. For example, in July 2024, Viasat Inc., a U.S. communications firm, introduced Air-IQ. Functionalities of Air-IQ include enhancing military awareness of situations by offering reliable, real-time insights for quick and knowledgeable decision-making on the battlefield. Its solid ISR connection provides a comprehensive, all-round battlefield perspective, giving military staff a vital edge exactly when they require it the most. This ability reduces risks, elevates mission accomplishment likelihood, and complies with the most stringent security regulations.

Market Share And Forecast By Segment In The Global Airborne ISR Market

The airborne isr market covered in this report is segmented –

- 1) By Solution: Systems, Software, Services
- 2) By Platform: Military Aircraft, Military Helicopters, Unmanned Systems
- 3) By Application: Search and Rescue Operations, Border and Maritime Patrol, Target Acquisition and Tracking, Critical Infrastructure Protection, Tactical Support, Others
- 4) By End User: Defense, Homeland Security

Subsegments:

- 1) By Systems: Airborne Sensor Systems, Unmanned Aerial Systems (UAS), Manned Aircraft Systems, Data Link Systems, Ground Control Stations
- 2) By Software: ISR Data Processing Software, Mission Planning Software, Analysis and Visualization Software, Sensor Fusion Software, Data Management and Storage Software
- 3) By Services: ISR Training and Support Services, Maintenance and Repair Services, Mission Planning and Execution Services, Data Analysis and Interpretation Services, Consultancy Services for ISR Operations

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<https://www.thebusinessresearchcompany.com/report/airborne-isr-global-market-report>

Airborne ISR Market Regional Insights

In the Airborne ISR Global Market Report for 2025, North America stood as the leading region in 2024. It's projected that Asia-Pacific will experience the most rapid growth in the forecast period. The report comprehensively covers several regions, including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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