

Global Airborne Target Acquisition Systems Market Size Study, by Platform (Fixed-Wing Aircraft, Helicopters, Unmanned Aerial Vehicles), by Technology (Radar, Electro-Optical/Infrared Systems, Electronic Support Measures), by Range (Short-Range, Medium-Range, Long-Range), by Applications (Air-to-Air Combat, Air-to-Ground Surveillance, Maritime Surveillance, Electronic Warfare) and Regional Forecasts 2022-2032

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Abstracts

The Global Airborne Target Acquisition Systems Market is valued at approximately USD 1,123.05 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.38% over the forecast period 2024-2032. Airborne Target Acquisition Systems are sophisticated technologies used on aircraft to detect, track, and identify potential targets from the air. These systems integrate advanced sensors, radar, infrared, and electro-optical technologies to gather and process data on targets, which may include enemy aircraft, ground vehicles, or maritime vessels. The systems enable pilots and operators to engage targets with precision by providing real-time information and situational awareness. They are essential for various military missions, including reconnaissance, surveillance, and combat operations, enhancing the effectiveness and accuracy of aerial engagements while maintaining a strategic advantage over adversaries. The Airborne Target Acquisition Systems Market is driven by increased military expenditure and technological advancements. Governments worldwide are investing heavily in defense capabilities, leading to a demand for advanced target acquisition systems to enhance situational awareness and combat readiness. Innovations in radar technology, electro-optical sensors, and data fusion algorithms are

propelling market growth.

The increasing demand for airborne surveillance and reconnaissance significantly drives the Airborne Target Acquisition Systems market. As military and defense operations expand and become more complex, there is a growing need for advanced systems that can provide comprehensive real-time data and situational awareness. Airborne Target Acquisition Systems, equipped with cutting-edge radar, infrared, and electro-optical sensors, play a crucial role in detecting, tracking, and identifying targets from the air. These systems enhance operational effectiveness by enabling precise targeting and informed decision-making during missions. Additionally, the rise in global security concerns and geopolitical tensions further amplifies the need for reliable and advanced airborne surveillance capabilities. Furthermore, the market for these systems is experiencing robust growth, driven by the quest for superior surveillance and reconnaissance technologies.

The key region in the Global Airborne Target Acquisition Systems Market includes North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. In 2023, North America dominates the market in terms of revenue, attributed to the presence of major defense contractors and increasing demand for advanced systems. The region, particularly the United States, is home to major defense contractors and cutting-edge research facilities that drive innovation in airborne target acquisition technologies. The extensive and technologically sophisticated fleet of military aircraft in North America requires state-of-the-art systems for enhanced surveillance and precision targeting. Europe followed closely, driven by the need for modernization of defense systems and the presence of leading defense companies. Furthermore, Asia Pacific region is expected to witness the fastest CAGR growth during the forecast period 2024-2032, owing to increasing defense spending in countries such as China and India.

Major market players included in this report are:

Thales Group

Lockheed Martin

Saab AB

Raytheon Technologies

General Dynamics

Hindustan Aeronautics Limited

Leonardo SpA

Airbus

BAE Systems

L3Harris Technologies

Boeing

Northrop Grumman

Elbit Systems

Israel Aerospace Industries

The detailed segments and sub-segment of the market are explained below:

By Platform:

Fixed-Wing Aircraft

Helicopters

Unmanned Aerial Vehicles (UAVs)

By Technology:

Radar

Electro-Optical/Infrared (EO/IR) Systems

Electronic Support Measures (ESM)

By Range:

Short-Range

Medium-Range

Long-Range

By Applications:

Air-to-Air Combat

Air-to-Ground Surveillance

Maritime Surveillance

Electronic Warfare

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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