

# **Global Military Antennas Market Size Study, by Component (Reflectors, Feed Horn, Feed Networks, Low Noise Block Converter (LNB), Others), by Frequency Band (High Frequency (HF), Very High Frequency (VHF), Ultra-High Frequency (UHF), Super High Frequency (SHF), Extremely High Frequency (EHF)), by Type (Dipole Antennas, Monopole Antennas, Array Antennas, Loop Antennas, Aperture Antennas, Traveling Wave Antennas), by Application (Surveillance, Electronic Warfare, Navigation, Communication, SATCOM, Telemetry) and Regional Forecasts 2022-2032.**

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## **Abstracts**

The Global Military Antennas Market is valued at USD 4.3 billion in 2023 and is projected to experience significant growth with a CAGR of 4.6% over the forecast period 2024–2032. Military antennas play a pivotal role in enhancing communication, surveillance, and navigation capabilities across various defense platforms. With the rapid advancement in radar systems, satellite communication technologies, and drone applications, the market is poised for sustained growth.

These cutting-edge antennas enable secure data transmission, provide real-time situational awareness, and enhance electronic warfare capabilities. They serve as the backbone for advanced surveillance systems, ensuring strategic advantages in combat zones, as well as for peacekeeping and disaster management efforts.

The demand for multi-functional radar systems and high-performance antennas is further propelled by increasing global defense budgets and evolving security challenges. Additionally, innovations such as electronically phased array antennas and metamaterial-based solutions are reshaping the market, enabling higher efficiency and cost-effectiveness.

The global market is also witnessing robust demand for communication-on-the-move (COTM) systems, particularly in maritime and aerial defense applications. Advanced reflector designs that improve signal strength and reduce assembly time are becoming industry standards. For instance, government contracts awarded to key players for next-generation satellite communication systems exemplify the rising investments in military antenna innovations.

The high initial development and maintenance costs remain a challenge for widespread adoption. However, continuous technological advancements, coupled with increased R&D investments, are anticipated to mitigate these challenges over the forecast period.

The geographic landscape of the market shows significant traction in the Asia-Pacific region, which accounted for the largest revenue share in 2023. The rapid expansion of defense infrastructure in countries like China, India, and Japan, coupled with heightened geopolitical tensions, is driving the regional demand. North America, on the other hand, is expected to register the fastest CAGR due to its emphasis on cutting-edge technological adoption in military applications.

#### Major Market Players:

1. Lockheed Martin Corporation
2. Raytheon Technologies Corporation
3. Harris Corporation
4. Rohde & Schwarz GmbH & Co. KG
5. Cobham plc
6. Amphenol Corporation

7. Alaris Holdings Limited
8. Comrod Communication AS
9. Hascall Engineering and Manufacturing Co.
10. Antcom Corporation
11. Antenna Products Corporation
12. Cojot Oy
13. Eylex Pty Ltd
14. M.T.I Wireless Edge Ltd.
15. L3Harris Technologies

Market Segmentation:

By Component:

Reflectors

Feed Horn

Feed Networks

Low Noise Block Converter (LNB)

Others

By Frequency Band:

High Frequency (HF)

Very High Frequency (VHF)

Ultra-High Frequency (UHF)

Super High Frequency (SHF)

Extremely High Frequency (EHF)

By Type:

Dipole Antennas

Monopole Antennas

Array Antennas

Loop Antennas

Aperture Antennas

Traveling Wave Antennas

By Application:

Surveillance

Electronic Warfare

Navigation

Communication

SATCOM

Telemetry

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Italy

Spain

Russia

Asia-Pacific:

China

India

Japan

South Korea

Malaysia

Indonesia

Latin America:

Brazil

Mexico

Argentina

Middle East & Africa:

UAE

Saudi Arabia

South Africa

Israel

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.

Competitive landscape with detailed profiles of major players in the market.

Comprehensive analysis of geographical trends, regulatory frameworks, and technological advancements.

Strategic recommendations for key players.



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