

US Airborne Fire Control Radar Market Size study, by Frequency Band (L And S-Band, X-Band, Ku/K/Ka-Band) by Platform (Fighter Jets, Combat Helicopters, and Others) by Application (Air to Ground, Air to Sea, Air to Air) Forecasts 2022-2032

<https://marketpublishers.com/r/UA477C28216AEN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: UA477C28216AEN

Abstracts

US Airborne Fire Control Radar Market is valued approximately USD 767.28 million in 2023 and is anticipated to grow with a healthy growth rate of more than 6.03% over the forecast period 2024-2032. The Airborne Fire Control Radar is a radar system that is designed precisely for airborne platforms, such as military aircraft and plays crucial role in military operations by providing accurate and timely data for targeting and engaging aerial and ground threats. They help military aircraft detect, track, and engage targets, including enemy aircraft, missiles, and ground vehicles, both in air-to-air and air-to-ground scenarios. The US Airborne Fire Control Radar Market encompasses a variety of radar systems tailored to different aircraft types, mission requirements, and operational environments. These systems often incorporate advanced technologies such as phased array radar, Synthetic Aperture Radar (SAR), and electronic scanning radar to enhance detection capabilities, improve accuracy, and mitigate electronic warfare threats. Thus, these trends can further drive demand for US Airborne Fire Control Radar Market during the forecast period 2024-2032.

The emergence of stealth and Low Observable (LO) threats presents a formidable challenge to traditional radar systems, spurring increased demand for advanced airborne fire control radar solutions within the US market. Stealth technology enables aircraft to evade detection by reducing their radar cross-section (RCS) and appearing as smaller or even invisible targets on conventional radar screens. This capability undermines the effectiveness of legacy radar systems, which struggle to detect and track stealthy aircraft effectively. Moreover, the integration of advanced signal

processing algorithms, multi-mode operation, and Low Probability of Intercept (LPI) techniques is essential to mitigate Electronic Warfare (EW) countermeasures employed by adversaries. For instance, in August 2023, U.S. Army announced that it has approved the Lockheed Martin's Sentinel A4 radar program. The Sentinel A4 is next-generation electronically scanned array air and missile defense radar that is able to detect drones, cruise missiles, artillery, rockets, and mortars, and it can instantaneously identify and track diverse threat types. Thus, by leveraging innovative radar technologies, such as active electronically scanned arrays (AESAs) and wideband frequency agility, these next-generation fire control radar systems can adapt to evolving threat tactics and maintain a decisive edge in contested environments. However, integration complexity and a heavy reliance on government contracts, stifle market growth during the forecast period 2024-2032.

Major market player included in this report are:

Northrop Grumman Corporation

Raytheon Technologies Corporation

Lockheed Martin Corporation

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

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

By Frequency Band

L And S-Band

X-Band

Ku/K/Ka-Band

By Platform

Fighter Jets

Combat Helicopters

Others

By Application

Air To Ground

Air To Sea

Air To Air

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 Country 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.

Contents

CHAPTER 1. US AIRBORNE FIRE CONTROL RADAR MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. US Airborne Fire Control Radar Market Size & Forecast (2022- 2032)
- 2.2. Segmental Summary
 - 2.2.1. By Frequency Band
 - 2.2.2. By Platform
 - 2.2.3. By Application
- 2.3. Key Trends
- 2.4. Recession Impact
- 2.5. Analyst Recommendation & Conclusion

CHAPTER 3. US AIRBORNE FIRE CONTROL RADAR MARKET DYNAMICS

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. US AIRBORNE FIRE CONTROL RADAR MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. US AIRBORNE FIRE CONTROL RADAR MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032

- 5.1. L And S-Band
- 5.2. X-Band
- 5.3. Ku/K/Ka-Band

CHAPTER 6. US AIRBORNE FIRE CONTROL RADAR MARKET SIZE & FORECASTS BY PLATFORM 2022-2032

- 6.1. Fighter Jets
- 6.2. Combat Helicopters

6.3. Others

CHAPTER 7. US AIRBORNE FIRE CONTROL RADAR MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

7.1. Air To Ground

7.2. Air To Sea

7.3. Air To Air

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. Northrop Grumman Corporation

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Market Strategies

8.3.2. Raytheon Technologies Corporation

8.3.3. Lockheed Martin Corporation

8.3.4. Company

8.3.5. Company

8.3.6. Company

8.3.7. Company

8.3.8. Company

8.3.9. Company

8.3.10. Company

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. US Airborne Fire Control Radar market, report scope

TABLE 2. US Airborne Fire Control Radar market estimates & forecasts by Frequency Band 2022-2032 (USD Million)

TABLE 3. US Airborne Fire Control Radar market estimates & forecasts by Platform 2022-2032 (USD Million)

TABLE 4. US Airborne Fire Control Radar market estimates & forecasts by Application 2022-2032 (USD Million)

TABLE 5. US Airborne Fire Control Radar market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 6. US Airborne Fire Control Radar market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 7. US Airborne Fire Control Radar market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 8. US Airborne Fire Control Radar market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 9. US Airborne Fire Control Radar market by segment, estimates & forecasts, 2022-2032 (USD Million)

TABLE 10. U.S. Airborne Fire Control Radar market estimates & forecasts, 2022-2032 (USD Million)

TABLE 11. U.S. Airborne Fire Control Radar market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 12. U.S. Airborne Fire Control Radar market estimates & forecasts by segment 2022-2032 (USD Million)

TABLE 13. List of secondary sources, used in the study of US Airborne Fire Control Radar Market.

TABLE 14. List of primary sources, used in the study of US Airborne Fire Control Radar Market.

TABLE 15. Years considered for the study.

TABLE 16. Exchange rates considered.

List Of Figures

LIST OF FIGURES

- FIG 1. US Airborne Fire Control Radar market, research methodology
- FIG 2. US Airborne Fire Control Radar market, market estimation techniques
- FIG 3. US market size estimates & forecast methods.
- FIG 4. US Airborne Fire Control Radar market, key trends 2023
- FIG 5. US Airborne Fire Control Radar market, growth prospects 2022-2032
- FIG 6. US Airborne Fire Control Radar market, porters 5 force model
- FIG 7. US Airborne Fire Control Radar market, pestel analysis
- FIG 8. US Airborne Fire Control Radar market, value chain analysis
- FIG 9. US Airborne Fire Control Radar market by segment, 2022 & 2032 (USD Million)
- FIG 10. US Airborne Fire Control Radar market by segment, 2022 & 2032 (USD Million)
- FIG 11. US Airborne Fire Control Radar market by segment, 2022 & 2032 (USD Million)
- FIG 12. US Airborne Fire Control Radar market by segment, 2022 & 2032 (USD Million)
- FIG 13. US Airborne Fire Control Radar market by segment, 2022 & 2032 (USD Million)
- FIG 14. US Airborne Fire Control Radar market, company market share analysis (2023)

I would like to order

Product name: US Airborne Fire Control Radar Market Size study, by Frequency Band (L And S-Band, X-Band, Ku/K/Ka-Band) by Platform (Fighter Jets, Combat Helicopters, and Others) by Application (Air to Ground, Air to Sea, Air to Air) Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/UA477C28216AEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/UA477C28216AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970