

X-Band Radar Market Report by Type (Non-Portable, Portable), Array (Active Electronically Scanned Array (AESA), Passive Electronically Scanned Array (PESA)), System Component (Communications System, Command and Control System), Application (Defense, Government, Commercial), and Region 2024-2032

<https://marketpublishers.com/r/X683E8D0B5B1EN.html>

Date: April 2024

Pages: 136

Price: US\$ 3,899.00 (Single User License)

ID: X683E8D0B5B1EN

Abstracts

The global X-band radar market size reached US\$ 5.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 7.8 Billion by 2032, exhibiting a growth rate (CAGR) of 3.1% during 2024-2032.

X-band is a class of radio waves that generally fall between the frequency range of 8ghz to 12ghz. X-band radar systems operate in this frequency range and are primarily used in maritime navigation for military and civil applications. X-band radars are installed on most large-sized research vessels, along with several offshore systems. Initially, these radars were developed for ship traffic navigation and control. Over the past decades, however, non-coherent X-band and S-band marine radars have been used in the monitoring of traffic and navigation of ships in coastal areas. The addition of certain software and hardware components have further enabled the utilization of these radars for measuring currents and waves. They are also being used by governments, academia and other industries for supporting offshore platform operations, monitoring oil spills and studying air-sea interactions.

At present, numerous investments across the globe are being made for the development of innovative weather detection radars. The advanced X-band Weather Radar is one such innovation which was recently launched by the Finland-based

weather, environmental, and industrial measurement company, Vaisala Oyj. It offers more accurate precipitation measurement and improved data for flood warnings for hydro-electric power plants. Apart from this, the frequency band is also used in airborne or spaceborne imaging radars based on the synthetic aperture radar (SAR). For instance, in May 2019, the Indian Space Research Organization (ISRO) launched the Radar Imaging Satellite 2B, or RISAT 2B, an all-weather imaging satellite, which is fitted with an X-band SAR. The radar will help in providing minute details about the size of objects present on the earth, structures and movement, to complement the data collected through standard optical remote-sensing satellites.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global X-band radar market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on type, array, system component, and application.

Breakup by Type:

- Non-Portable
- Portable

Breakup by Array:

- Active Electronically Scanned Array (AESA)
- Passive Electronically Scanned Array (PESA)

Breakup by System Component:

- Communications System
- Command and Control system

Breakup by Application:

- Defense
- Government
- Commercial

Breakup by Region:

Asia Pacific

Europe

North America

Middle East and Africa

Latin America

Competitive Landscape:

The report has also analyzed the competitive landscape of the market with some of the key players being Japan Radio Co., Ltd., Raytheon Company, Furuno Electric Co. Ltd., Northrop Grumman Corporation, Terma A/S, Saab AB, HENSOLDT UK, Israel Aerospace Industries, Selex ES and Reutech Radar (Pty) Ltd.

Key Questions Answered in This Report

1. What is the size of the global X-band radar market in 2023?
2. What is the expected growth rate of the global X-band radar market during 2024-2032?
3. What are the key factors driving the global X-band radar market?
4. What has been the impact of COVID-19 on the global X-band radar market?
5. What is the breakup of the global X-band radar market based on the system component?
6. What is the breakup of the global X-band radar market based on the application?
7. What are the key regions in the global X-band radar market?
8. Who are the key players/companies in the global X-band radar market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL X-BAND RADAR MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Type
- 5.5 Market Breakup by Array
- 5.6 Market Breakup by System Component
- 5.7 Market Breakup by Application
- 5.8 Market Breakup by Region
- 5.9 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Non-Portable
 - 6.1.1 Market Trends

- 6.1.2 Market Forecast
- 6.2 Portable
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY ARRAY

- 7.1 Active Electronically Scanned Array (AESA)
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Passive Electronically Scanned Array (PESA)
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY SYSTEM COMPONENT

- 8.1 Communications System
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Command and Control System
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY APPLICATION

- 9.1 Defense
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Government
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Commercial
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast

10 MARKET BREAKUP BY REGION

- 10.1 Asia Pacific
 - 10.1.1 Market Trends

- 10.1.2 Market Forecast
- 10.2 Europe
 - 10.2.1 Market Trends
 - 10.2.2 Market Forecast
- 10.3 North America
 - 10.3.1 Market Trends
 - 10.3.2 Market Forecast
- 10.4 Middle East and Africa
 - 10.4.1 Market Trends
 - 10.4.2 Market Forecast
- 10.5 Latin America
 - 10.5.1 Market Trends
 - 10.5.2 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTER'S FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players

15.3 Profiles of Key Players

15.3.1 Japan Radio Co., Ltd

15.3.2 Raytheon Company

15.3.3 Furuno Electric Co. Ltd

15.3.4 Northrop Grumman Corporation

15.3.5 Terma A/S

15.3.6 Saab AB

15.3.7 HENSOLDT UK

15.3.8 Israel Aerospace Industries

15.3.9 Selex ES

15.3.10 Reutech Radar (Pty) Ltd.

List Of Tables

LIST OF TABLES

Table 1: Global: X-Band Radar Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: X-Band Radar Market Forecast: Breakup by Type (in Million US\$), 2024-2032

Table 3: Global: X-Band Radar Market Forecast: Breakup by Array (in Million US\$), 2024-2032

Table 4: Global: X-Band Radar Market Forecast: Breakup by System Component (in Million US\$), 2024-2032

Table 5: Global: X-Band Radar Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 6: Global: X-Band Radar Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: X-Band Radar Market Structure

Table 8: Global: X-Band Radar Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: X-Band Radar Market: Major Drivers and Challenges

Figure 2: Global: X-Band Radar Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: X-Band Radar Market: Breakup by Type (in %), 2023

Figure 4: Global: X-Band Radar Market: Breakup by Array (in %), 2023

Figure 5: Global: X-Band Radar Market: Breakup by System Component (in %), 2023

Figure 6: Global: X-Band Radar Market: Breakup by Application (in %), 2023

Figure 7: Global: X-Band Radar Market: Breakup by Region (in %), 2023

Figure 8: Global: X-Band Radar Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 9: Global: X-Band Radar Industry: SWOT Analysis

Figure 10: Global: X-Band Radar Industry: Value Chain Analysis

Figure 11: Global: X-Band Radar Industry: Porter's Five Forces Analysis

Figure 12: Global: X-Band Radar (Non-Portable) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: X-Band Radar (Non-Portable) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: X-Band Radar (Portable) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: X-Band Radar (Portable) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: X-Band Radar (Active Electronically Scanned Array) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: X-Band Radar (Active Electronically Scanned Array) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: X-Band Radar (Passive Electronically Scanned Array) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: X-Band Radar (Passive Electronically Scanned Array) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: X-Band Radar (Communications System) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: X-Band Radar (Communications System) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: X-Band Radar (Command and Control System) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: X-Band Radar (Command and Control System) Market Forecast:

Sales Value (in Million US\$), 2024-2032

Figure 24: Global: X-Band Radar (Defense) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: X-Band Radar (Defense) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: X-Band Radar (Government) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: X-Band Radar (Government) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: X-Band Radar (Commercial) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: X-Band Radar (Commercial) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Asia Pacific: X-Band Radar Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Asia Pacific: X-Band Radar Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Europe: X-Band Radar Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Europe: X-Band Radar Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: North America: X-Band Radar Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: North America: X-Band Radar Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Middle East and Africa: X-Band Radar Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Middle East and Africa: X-Band Radar Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Latin America: X-Band Radar Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Latin America: X-Band Radar Market Forecast: Sales Value (in Million US\$), 2024-2032

I would like to order

Product name: X-Band Radar Market Report by Type (Non-Portable, Portable), Array (Active Electronically Scanned Array (AESAs), Passive Electronically Scanned Array (PESA)), System Component (Communications System, Command and Control System), Application (Defense, Government, Commercial), and Region 2024-2032

Product link: <https://marketpublishers.com/r/X683E8D0B5B1EN.html>

Price: US\$ 3,899.00 (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/X683E8D0B5B1EN.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