

South & Central America Air Defense Radar Market Forecast to 2030 - Regional Analysis - by Range (Long Range, Medium Range, and Short Range), Product Type (Synthetic Aperture and Moving Target Indicator Radar, Surveillance Radar, Airborne Early Warning Radar, Multi-Functional Radar, Weather Radar, and Others), System Type (Fixed and Portable), Platform (Ground-Based, Aircraft-Mounted, and Naval-Based), and Application (Ballistic Missile Defense, Identification Friend or Foe, Weather Forecasting, and Others)

<https://marketpublishers.com/r/SCB8A16678D1EN.html>

Date: December 2023

Pages: 118

Price: US\$ 3,550.00 (Single User License)

ID: SCB8A16678D1EN

Abstracts

The South & Central America air defense radar market is expected to grow from US\$ 205.13 million in 2022 to US\$ 252.95 million by 2030. It is estimated to grow at a CAGR of 2.7% from 2022 to 2030.

Rise in Cross-Border Conflicts Fuel the South & Central America Air Defense Radar Market

Cross-border conflicts often involve threats from airborne platforms, including aircraft, UAS, and missiles. Air defense radar systems play a vital role in border surveillance by detecting and tracking these threats, providing early warning and enabling rapid response capabilities, including evacuation measures. Cross-border conflicts might also lead to the destruction of critical infrastructure, such as airports, power plants, and various government-based facilities. The need for enhanced surveillance to safeguard

borders and other critical infrastructure drives the demand for advanced radar systems, including air defense radar systems, in conflict zones. In addition, military forces often establish forward operating bases (FOBs) near conflict zones. These FOBs require robust air defense capabilities to protect personnel and equipment. Air defense radar systems are integral to FOBs, providing surveillance, detection, and response capabilities against airborne threats. Thus, the increase in the utilization of air defense radars in conflict areas is expected to create opportunities for the South & Central America Air Defense Radar Market growth in the coming years.

South & Central America Air Defense Radar Market Overview

South & Central America Air Defense Radar Market is bifurcated into Brazil and the Rest of SAM. Governments of various countries in SAM have increased their military spending to establish a sustainable and robust defense sector. According to SIPRI, the military expenditure of SAM was US\$ 44,317.9 million in 2020, which increased to US\$ 45,879.8 million in 2021 and reached US\$ 46,097.0 million in 2022. Many SAM countries have aging military equipment and outdated defense systems. Increasing defense budgets allows for the modernization of military forces, including the acquisition of advanced weaponry, surveillance systems, and communication technologies. Keeping pace with technological advancements is essential to maintain an effective defense posture. In October 2022, Elbit Systems Ltd, a leading defense technology company, secured a contract worth ~US\$ 65 million to provide a modernization solution to an undisclosed SAM army over a period of two and a half years. Elbit Systems will deliver a modernization solution to the SAM army, although the scope of the solution and its specific details have not been disclosed. Modernization solutions typically involve upgrading and integrating new technologies into existing military systems to enhance operational effectiveness, efficiency, and capabilities. Such a trend of modernization of military systems is projected to support the South & Central America Air Defense Radar Market.

South & Central America Air Defense Radar Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Air Defense Radar Market Segmentation

The South & Central America air defense radar market is segmented into function, range, system type, platform, application, and country.

Based on function, the South & Central America air defense radar market is segmented

into synthetic aperture radar and moving target indicator radar, surveillance radar, airborne early warning radar, multi-functional radar, weather radar, and others. The synthetic aperture radar and moving target indicator radar segment held a largest share of the South & Central America air defense radar market in 2022.

Based on range, the South & Central America air defense radar market is segmented into short range, medium range, and long range. The long-range segment held the largest share of the South & Central America air defense radar market in 2022.

Based on system type, the South & Central America air defense radar market is segmented into fixed radar, and portable radar. The fixed radar segment held the larger share of the South & Central America air defense radar market in 2022.

Based on platform, the South & Central America air defense radar market is segmented into ground-base, aircraft-mounted, and naval based. The ground-base segment held the largest share of the South & Central America air defense radar market in 2022.

Based on application, the South & Central America air defense radar market is segmented into ballistic missile defense, Identification friend or foe, weather forecasting, and others. The identification friend or foe segment held the largest share of the South & Central America air defense radar market in 2022.

Based on country, the South & Central America air defense radar market is segmented into Brazil, and Rest of South & Central America. Brazil dominated the South & Central America air defense radar market in 2022.

BAE Systems Plc, General Dynamics Corp, Honeywell International Inc, Leonardo SpA, Lockheed Martin Corp, Saab AB, and Thales SA are some of the leading companies operating in the South & Central America air defense radar market.

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