

# **Solid State Radar Market with COVID-19 Impact by Dimension (2D, 3D, 4D), Frequency Band (S-band, X-band, L-band), Waveform (Doppler, FMCW), Application (Navigation, Weather Monitoring), Industry and Region - Global Forecast to 2026**

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## **Abstracts**

The solid state radar market is projected to grow from USD 1.7 billion in 2021 to USD 2.0 billion by 2026; it is expected to grow at a CAGR of 4.2% from 2021 to 2026.

The growth of the solid state radar market is driven by advancements in solid state radar technologies, development of phased-array solid state radar, and increased demand for advanced weather monitoring radar. Additionally, the growing investments across the defense sector in the North America is expected to create an opportunity for the solid state radar market.

“The 3D segment is projected to account for the largest share of the solid state radar market during the forecast period.”

The 3D solid state radars are used in applications, such as surveillance, navigation, and weather monitoring. These 3D radars can provide high target location accuracy along and fully automatic operation modes, which has resulted in an increased demand for these radars in the military.

“The market for S-band solid state radar is expected to grow at the highest CAGR during the forecast period”

The S-band solid state radars provide highly accurate outputs and are stable at high power. Other advantages of these radars include clear images, reduced maintenance,

and low running costs. The growing air traffic and increasing investments in airport infrastructure development in various countries across the globe are key factors expected to boost the market of S-Band solid state radars.

“The non-commercial industry in solid state radar is expected to grow at the highest CAGR during the forecast period.”

The solid state radars are used by police forces, border security forces, coastal & maritime patrol officers, and search & rescue operatives. These radars are also used to detect targets and determine their position, course, and speed over a long-range. Solid state radars facilitate intelligence gathering, surveillance, and reconnaissance. Thus, all these factors are expected to drive the growth of solid state radar market for this segment.

“North America held the largest share of the global solid state radar market during the forecast period.”

The increased adoption of solid state radars in the navigation, border security, surveillance, and traffic management applications is the major reason for the growing demand for radars in the commercial as well as non-commercial industries. The demand for solid state radars is expected to increase with the growing investments across the defense sector in the region.

Break-up of the profiles of primary participants:

By Company Type – Tier 1 – 40%, Tier 2 – 35%, and Tier 3 – 25%

By Designation – C-level – 40%, Director-level – 35%, and Manager-level – 25%

By Region – North America - 35%, Europe – 30%, APAC – 25%, and RoW – 10%

The key players in the solid state radar market include Lockheed Martins (US), Raytheon Technologies (US), Honeywell (US), Thales Group (France), Leonardo (Italy), Elbit Systems (Israel), Garmin (US), Indra (Spain), Wartsila (Finland), and Teledyne Flir (US).

The solid state radar market has been segmented into the frequency band, dimension,

waveform, application, industry, and region.

Based on frequency band, the market has been segmented into S-band, X-band, L-band, C-band, Ka-band, and Ku-band. Based on the dimension, the solid state radar market has been segmented into 2D and 3D. Based on waveform, the solid state radar market has been segmented into doppler and frequency modulated continuous wave (FMCW). Based on application, the solid state radar market is segmented into airspace monitoring & surveillance, weather monitoring, collision warning, navigation, airport perimeter security. Based on industry, the solid state radar market has been segmented into commercial and non-commercial. The solid state radar market has been studied for North America, Europe, Asia Pacific (APAC), and the Rest of the World (RoW).

Reasons to buy the report:

Illustrative segmentation, analysis, and forecast of the market based on frequency band, dimension, waveform, application, industry, and region have been conducted to give an overall view of the solid state radar market.

A value chain analysis has been performed to provide in-depth insights into the solid state radar market.

The key drivers, restraints, opportunities, and challenges pertaining to the solid state radar market have been detailed in this report.

Detailed information regarding the COVID-19 impact on the solid state radar market has been provided in the report.

The report includes a detailed competitive landscape of the market, along with key players, as well as in-depth analysis of their revenues

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\*Details on Business Overview, Products/solutions/services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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