

Automotive Millimeter- wave Radar IC Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

According to a new market report published by Lucintel, the future of the automotive millimeter-wave (mmWave) radar IC market looks attractive with opportunities in adaptive cruise control, blind spot detection (BSD), forward collision warning, parking assist, automatic emergency braking system (AEBS), and other automotive advanced driver assistance systems (ADAS) applications. The global automotive millimeter-wave radar IC market is expected to grow with a CAGR of 16.1% from 2019 to 2024. The major drivers for this market are increase in the adoption of ADAS technology by OEMs, increasing governments' regulations for vehicle safety, and growing demand for autonomous vehicles.

Emerging trends, which have a direct impact on the dynamics of the automotive millimeter-wave radar IC industry, include introduction of CMOS RF transceiver and focus on miniaturization of products.

A total of 96 figures/charts and 87 tables are provided in this 166 -page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of automotive millimeter- wave radar IC market report download the report brochure.

automotive millimeter-wave radar IC market by product

automotive millimeter-wave radar IC market

automotive millimeter-wave radar IC market

The study includes the automotive millimeter-wave radar IC market size and forecast for

the global automotive millimeter-wave radar IC market through 2024 segmented by product type, frequency range, manufacturing technology, application, and the region as follows:

Automotive Millimeter-wave Radar IC Market by Product Type [\$M and M unit shipment analysis from 2013 to 2024]:

24 GHz 77 GHz & Others

Automotive Millimeter-wave Radar IC Market by Application [\$M shipment analysis from 2013 to 2024]:

Adaptive Cruise Control Blind Spot Detection (BSD) Forward Collision Warning Parking Assist Automatic Emergency Braking System (AEBS) Others

Automotive Millimeter-wave Radar IC Market by Frequency Range [\$M and M Unit shipment analysis from 2013 to 2024]:

Short and Medium Radar Long-Range Radar

Automotive Millimeter-wave Radar IC Market by Technology [\$M shipment analysis from 2013 to 2024]:

GaAs SiGe BiCMOS RF CMOS

Automotive Millimeter-wave Radar IC Market by Region [\$M and M Unit shipment analysis for 2013 – 2024]:

North America United States Canada Mexico Europe United Kingdom Germany Asia Pacific Japan China The Rest of the World

Some of the automotive mmWave radar IC companies profiled in this report include Infineon Technologies AG, NXP Semiconductors N.V., United Monolithic Semiconductors, Mitsubishi Electric Corporation, and Texas Instruments and others.

77 GHz & other types mmWave radar IC are expected to witness the highest growth during the forecast period due to its wider bandwidth, improve range resolution, and accuracy.

Within the automotive millimeter-wave (mmWave) radar IC market, adaptive cruise control will remain the largest application over the forecast period. The growing adoption of adaptive cruise control systems in the vehicles due to increased occurrences of road accidents and growing concerns towards road safety are expected to drive the use of mmWave radar IC in this application. AEBS is expected to witness the highest growth over the forecast period.

North America is the largest region by value and volume due to stringent government regulations on safety and increasing demand of autonomous vehicles. Europe is expected to witness the highest growth over the forecast period supported by increasing

adoption of ADAS technology by OEMs and government regulations on safety of vehicles.

Some of the features of “Automotive Millimeter- wave Radar IC Market Report: Trends, Forecast and Competitive Analysis” include:

Market size estimates: Global automotive millimeter- wave radar IC market size estimation in terms of value (\$M) and volume (M Unit) shipment. Trend and forecast analysis: Market trend (2013-2018) and forecast (2019-2024) by end use and use industry. Segmentation analysis: Global automotive millimeter- wave radar IC market size by product type, frequency range, manufacturing technology type, application in terms of value and volume shipment. Regional analysis: Global automotive millimeter- wave radar IC market breakdown by North America, Europe, Asia Pacific, and the Rest of the World. Growth opportunities: Analysis on growth opportunities in different applications and regions in the global automotive millimeter- wave radar IC market. Strategic analysis: This includes M&A, new product development, and competitive landscape in the global automotive millimeter- wave radar IC market. Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

This report answers the following 11 key questions:

Q.1 What are some of the most promising, high-growth opportunities for the global automotive millimeter-wave radar IC by product type (24 GHz and 77 GHz & others), by frequency range (Short & Medium and Long-Range), by manufacturing technology (GaAs, RF CMOS, and SiGe BiCMOS), by application (adaptive cruise control, blind spot detection (BSD), forward collision warning, parking assist, automatic emergency braking system (AEBS), and others applications), and by region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market?

Q.5 What are the business risks and threats to the automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market?

Q.6 What are the emerging trends in this automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market and the reasons behind them?

Q.7 What are some changing demands of customers in the automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market?

Q.8 What are the new developments in the automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market? Which companies are leading these developments?

Q.9 Who are the major players in this automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) area and how big of a threat do they pose for loss of market share via product substitution?

Q.11 What M&A activity has occurred in the last 5 years in automotive millimeter-wave radar IC (Automotive Millimeter- wave Radar IC Market, Radar Technologies for Automotive, Millimeter Wave Technology Global Market, Automotive mmwave market, Automotive mmwave Radar IC market) market?

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