

Global 77-81 GHz Automotive Radar Transceiver Market Growth 2023-2029

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Abstracts

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77 GHz FMCW radars enhance automotive safety by enabling vehicles to identify dangerous situations and prevent crashes. They are used to detect different kinds of obstacles such as other vehicles and pedestrians in the 30 to 250 meter range, even in low visibility conditions. The information provided by the radars is used in ADAS systems responsible for multiple applications including autonomous emergency braking and adaptive cruise control. This device is intended for usage in short-, medium- and long-range radar applications covering the full automotive radar frequency band from 76 GHz to 81 GHz.

LPI (LP Information)' newest research report, the "77-81 GHz Automotive Radar Transceiver Industry Forecast" looks at past sales and reviews total world 77-81 GHz Automotive Radar Transceiver sales in 2022, providing a comprehensive analysis by region and market sector of projected 77-81 GHz Automotive Radar Transceiver sales for 2023 through 2029. With 77-81 GHz Automotive Radar Transceiver sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world 77-81 GHz Automotive Radar Transceiver industry.

This Insight Report provides a comprehensive analysis of the global 77-81 GHz Automotive Radar Transceiver landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on 77-81 GHz Automotive Radar Transceiver portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 77-81 GHz Automotive Radar

Transceiver market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 77-81 GHz Automotive Radar Transceiver and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global 77-81 GHz Automotive Radar Transceiver.

The global 77-81 GHz Automotive Radar Transceiver market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for 77-81 GHz Automotive Radar Transceiver is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for 77-81 GHz Automotive Radar Transceiver is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for 77-81 GHz Automotive Radar Transceiver is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key 77-81 GHz Automotive Radar Transceiver players cover NXP, STMicroelectronics, Infineon Technologies, TI, RFbeam Microwave GmbH and Calterah, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of 77-81 GHz Automotive Radar Transceiver market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

77-79GHz

79-81GHz

Segmentation by application

Autonomous Emergency Braking (AEB)

Adaptive Cruise Control (ACC)

Blind-spot Detection/monitoring (BSD/BSM)

Rear Cross Traffic Alert (RCTA)

Front Cross Traffic Alert (FCTA)

Rear Collision Avoidance (RCA)

Parking Assist (PA)

Rear Occupant Detection/Alert (ROD/ROA)

Cocoon Radar

Imaging Radar

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

NXP

STMicroelectronics

Infineon Technologies

TI

RFbeam Microwave GmbH

Calterah

Key Questions Addressed in this Report

What is the 10-year outlook for the global 77-81 GHz Automotive Radar Transceiver market?

What factors are driving 77-81 GHz Automotive Radar Transceiver market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do 77-81 GHz Automotive Radar Transceiver market opportunities vary by end market size?

How does 77-81 GHz Automotive Radar Transceiver break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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