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## DRIVING FACTORS

"Increased Usage by Government to Push Market Sales"

Government organizations like the transport research laboratory (TRL) in England have significantly increased the use of 4D imaging radar in recent years to improve road safety and provide a better understanding of driver behavior through data analysis from video recordings taken by these vehicles' cameras. Additionally, a number of businesses have been concentrating on creating cutting-edge products that can offer solutions for traffic monitoring and management, which are rising to prominence among other applications globally.

"Automotive Industries to Augment Market Growth"

The market is divided into automotive, aerospace and defense, industrial, security and surveillance, and traffic monitoring & management segments based on application. Due to the rising demand for 4D imaging radars from various governments and automakers to build roads and highways, the automotive industry held the highest automotive 4D imaging radar market share. Additionally, over the projected period, it is anticipated that increased regulatory emphasis on raising safety standards in all key markets, including North America and Europe, will increase product demand.

Key players in the market include: Continental AG, ZF Friedrichshafen AG, Arbe Robotics, Aptiv, Steradian, Vayyar Imaging, Innoviz Technologies, Oculii, Hella Aglaia Mobile Vision GmbH, Smart Radar Systems, Blackmore Sensors and Analytics, Einstein, Metawave Corporation, Texas Instruments, NXP Semiconductors, Infineon Technologies AG, Xilinx, RadSee, Uhnder, Zadar Labs and other Prominent players.

## Recent Developments:

January 29, 2024: Arbe Robotics Ltd. a global leader in Perception Radar Solutions, today announces that its tier 1, HiRain Technologies, a leading provider of intelligent driving solutions to car manufacturers in China, announced that it will begin the mass production of state-of-the-art 4D Imaging Radars by the end of 2024.

May 02, 2023: NXP Semiconductors N.V. announced NIO Inc., a leading brand in the global premium smart electric vehicle market, will leverage NXP's leading automotive radar technology,

including its ground-breaking imaging radar solution. NXP's latest 4D imaging radar solution is a powerful technology that allows benefits far beyond traditional radar.

With the help of the competitive analysis provided in the report, players can easily study the key strategies employed by leading players in the Automotive 4D Imaging Radar Market. The major and emerging players of the Automotive 4D Imaging Radar Market are closely studied considering their market share, production, sales, revenue growth, gross margin, product portfolio, and other important factors. This will help players familiarize themselves with the movements of their toughest competitors in the Automotive 4D Imaging Radar market.

Automotive 4D Imaging Radar Market by Type

### MIMO Chip Cascade

Radar Chipset

### Automotive 4D Imaging Radar Market by Frequency

24 GHz to 24.25 GHz

21 GHz to 26 GHz

76 GHz to 77 GHz

77 GHz to 81 GHz

Automotive 4D Imaging Radar Market by Range

### Short Range Radar

Medium Range Radar

Long Range Radar

### Automotive 4D Imaging Radar Market by Vehicle Type

Passenger Cars

Commercial Vehicles

Electric Vehicles (EVs)

Autonomous Vehicles (AVs)

Others

Automotive 4D Imaging Radar Market Report/Forecast

Geographical region & continent: North America, Europe, Asia Pacific, Oceania, South America, geographical region & continent

Geographical region & continent: u. s., Canada, Mexico, Brazil, Argentina, Colombia, Chile, Nigeria, Tunisia, Morocco, Germany, uk (UK), Holland, Spain, Italy, Belgium, Austria, Turkey, Russia, France, Poland, Israel, United Arab Emirates, Qatar, China, Japan, Taiwan, South Korea, Singapore, India and Australia etc.

"North America to Dominate the Market Due to Growing Use of Radars"

In terms of revenue share, North America dominated the global 4D imaging radar market. The expansion can be ascribed to the growing use of these radars in a variety of industries, including security and surveillance, traffic monitoring and management, among other uses. For instance, over 80% of all automobiles would, on average, have some type of active safety system by the end, predicts a recent study by the North American Free Trade Agreement (NAFTA) Research Center at UT-Austin, Texas.

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The report provides a detailed analysis of the Automotive 4D Imaging Radar market, including market size, growth potential, and capabilities through the forecast period.

The researchers analyse recent strategic activities like mergers, acquisitions, partnerships, collaborations, and joint ventures.

The report analyses the demographics, growth potential, and capability of the Automotive 4D Imaging Radar market through the forecast period.

The report also provides an outline about how the market will retrieve growth during the assessment period.

Executive Summary: The report focuses on the ongoing and upcoming investment opportunities across a particular Automotive 4D Imaging Radar market that will help the stakeholders to be aware of the current investment scenario across the market.

Key highlights?

- Major developments that can change the business landscape as well as market forecasts.
- Addition/refinement in segmentation–Increase in depth or width of segmentation of the market.
- Coverage of new market players and change in the market share of existing players of the Automotive 4D Imaging Radar market.
- Updated financial information and product portfolios of players operating in the Automotive 4D Imaging Radar market.
- Updated market developments of the profiled players.
- Any new data points/analysis (frameworks) which was not present in the previous version of the report

The new edition of the report consists of trends/disruptions on customer's business, tariff and regulatory landscape, pricing analysis, and a market ecosystem map to enable a better understanding of the market dynamics for Automotive 4D Imaging Radar.

Key features of the report:

- Country level market for Automotive 4D Imaging Radar market (up to 5)
- Profiling and additional market players (up to 5)
- Up to 40 hours of customization.
- post-sales support for 1 year from the date of delivery.

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