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Global Automotive 3D Imaging Market Size study & Forecast, by Camera (Visible camera, 3D Camera, Night vision Camera, and LiDAR), Application (security & surveillance, automotive safety, parking assistance and others) and Regional Analysis, 2022-2029

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Abstracts

Global Automotive 3D Imaging Market is valued approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. Automotive 3D imaging refers to application of camera and LiDAR based sensor solutions used in autonomous and semi-autonomous vehicles. As built-in features, this technology provides protection, anti-theft features, and parking surveillance, as well as forensics, social media, healthcare, and mobile commerce. These imaging solutions are a vital part of an advanced driver-assistance system (ADAS) that assists the driver during the driving process. The increasing demand for autonomous vehicles and growing adoption of ADAS system by automotive companies are key factors driving the market growth.

The rise in demand for autonomous vehicles is contributing towards the growth of the Global Automotive 3D Imaging Market. For instance, according to Statista – in 2021,the global autonomous car market was valued at USD 27 billion, and the market is projected to grow to USD 62 billion by 2026. Furthermore, as per Statista – in 2019, Globally around 1.4 million units of autonomous vehicles were sold, and as per estimates by 2030, the global sales of autonomous vehicles would grow to a value of around USD 58 million units. Also, growing advancements in automotive 3d imaging systems and increasing investment in cloud infrastructure for autonomous driving would create lucrative growth prospectus for the market over the forecast period. However, the

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high cost of Automotive 3D Imaging solutions stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Automotive 3D Imaging Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the increasing development of self-driving vehicles and presence of leading market players in the region. Whereas Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as rising adoption of ADAS system in passenger cars and increasing penetration of leading market players operating in the automotive 3D imaging space in the region.

Major market player included in this report are:
Continental AG
Leddartech Inc.
Quanergy Systems, Inc.
Velodyne LiDAR Inc.
Novariant, Inc.
Denso Corporation
AEye, Inc.
Teledyne Optech Incorporated
Valeo SA
Omnivision Technologies, Inc.

Recent Developments in the Market:
In November 2019, San Jose, California, USA based Velodyne Lidar launched its new lidar sensor for autonomous vehicles. This new sensor named Alpha Prime offers 360° surround-view perception along with a 40° vertical field-of-view. This new sensor can perform in different lightings and can detect low reflectance objects and pedestrians at far-off distances.

Global Automotive 3D Imaging Market Report Scope:
Historical Data 2019-2020-2021
Base Year for Estimation 2021
Forecast period 2022-2029
Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends
Segments Covered Camera, Application, Region
Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

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Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Camera
Visible camera
3D Camera
Night vision Camera
LiDAR
By Application
security & surveillance
automotive safety
parking assistance
others

By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India

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Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
RoLA
Rest of the World

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