

Global CMOS Image Sensor for Automotive Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global CMOS Image Sensor for Automotive market size was valued at USD 2164.9 million in 2022 and is forecast to a readjusted size of USD 6892.8 million by 2029 with a CAGR of 18.0% during review period.

After smartphones, smart cars have become the most popular application field for visual chips such as CMOS and ISP. Compared to mobile phones, security or other categories, cars have higher requirements for the performance of CMOS image sensors. Chips need to have imaging performance in low light environments, HDR, high-definition/ultra high-definition imaging, intelligent recognition, and other imaging capabilities. At present, automotive CMOS image sensors can be divided into three categories: ADAS perception (forward looking), intelligent cockpit, and image (mainly used for human eye viewing, such as circular and backward looking).

The Global Info Research report includes an overview of the development of the CMOS Image Sensor for Automotive industry chain, the market status of Passenger Car (1-2MP, 2-3MP), Commercial Car (1-2MP, 2-3MP), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of CMOS Image Sensor for Automotive.

Regionally, the report analyzes the CMOS Image Sensor for Automotive markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global CMOS Image Sensor for Automotive market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the CMOS Image Sensor for Automotive market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the CMOS Image Sensor for Automotive industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Resolution (e.g., 1-2MP, 2-3MP).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the CMOS Image Sensor for Automotive market.

Regional Analysis: The report involves examining the CMOS Image Sensor for Automotive market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the CMOS Image Sensor for Automotive market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to CMOS Image Sensor for Automotive:

Company Analysis: Report covers individual CMOS Image Sensor for Automotive manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and

attitudes towards CMOS Image Sensor for Automotive This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Car, Commercial Car).

Technology Analysis: Report covers specific technologies relevant to CMOS Image Sensor for Automotive. It assesses the current state, advancements, and potential future developments in CMOS Image Sensor for Automotive areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the CMOS Image Sensor for Automotive market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

CMOS Image Sensor for Automotive market is split by Resolution and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Resolution, and by Application in terms of volume and value.

Market segment by Resolution

1-2MP

2-3MP

?3MP

Market segment by Application

Passenger Car

Commercial Car

Major players covered

Onsemi

OMNIVISION

STMicroelectronics

Ams Osram

Sony

Himax Technologies

Samsung

PIXELPLUS

Toshiba

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe CMOS Image Sensor for Automotive product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CMOS Image Sensor for Automotive, with price, sales, revenue and global market share of CMOS Image Sensor for Automotive from 2018 to 2023.

Chapter 3, the CMOS Image Sensor for Automotive competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CMOS Image Sensor for Automotive breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Resolution and application, with sales market share and growth rate by resolution, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and CMOS Image Sensor for Automotive market forecast, by regions, resolution and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CMOS Image Sensor for Automotive.

Chapter 14 and 15, to describe CMOS Image Sensor for Automotive sales channel, distributors, customers, research findings and conclusion.

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