

Global CMOS Image Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global CMOS Image Sensor market size was valued at USD 6604.8 million in 2023 and is forecast to a readjusted size of USD 10530 million by 2030 with a CAGR of 6.9% during review period.

Image sensor is a sensor that detects and conveys the information that constitutes an image. The image sensor is usually divided by two kinds: CCD and CMOS.

Global CMOS Image Sensor key players include Sony, Samsung, OmniVision, Canon, On Semi (Aptina), etc. Global top five players hold a share about 70%.

Japan is the largest market, with a share about 30%, followed by North America and South Korea, having a total share about 35 percent.

In terms of product, Backside-illuminated (BSI) CMOS sensor is the largest segment, with a share about 60%. And in terms of application, the largest application is Mobile, followed by Industrial/Space/Defence, Security, Medical, Automotive, Computing, Consumer.

The Global Info Research report includes an overview of the development of the CMOS Image Sensor industry chain, the market status of Industrial/Space/Defence (Front-illuminated (FI) CMOS Sensor, Backside-illuminated (BSI) CMOS Sensor), Security (Front-illuminated (FI) CMOS Sensor, Backside-illuminated (BSI) CMOS Sensor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of CMOS Image Sensor.

Regionally, the report analyzes the CMOS Image Sensor 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 market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the CMOS Image Sensor 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 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 (M Units), revenue generated, and market share of different by Type (e.g., Front-illuminated (FI) CMOS Sensor, Backside-illuminated (BSI) CMOS Sensor).

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 market.

Regional Analysis: The report involves examining the CMOS Image Sensor 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 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:

Company Analysis: Report covers individual CMOS Image Sensor 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 This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial/Space/Defence, Security).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the CMOS Image Sensor 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 market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Front-illuminated (FI) CMOS Sensor

Backside-illuminated (BSI) CMOS Sensor

Market segment by Application

Industrial/Space/Defence

Security

Medical

Automotive

Computing

Consumer

Mobile

Major players covered

Sony

Samsung

OmniVision

Canon

On Semi (Aptina)

Toshiba

ST

Nikon

PixelPlus

Pixart

SiliconFile

GalaxyCore

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 product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CMOS Image Sensor, with price, sales, revenue and global market share of CMOS Image Sensor from 2019 to 2024.

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

Chapter 4, the CMOS Image Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and CMOS Image Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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.

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

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