

Global CMOS Image Sensor Market Insights, Forecast to 2026

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Abstracts

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.

Strong moves in the CIS markets have greatly modified the competitive landscape.

Sony is now a market revenue and technology leader. OmniVision and Samsung have remained strong. Meanwhile, the Integrated Device Manufacturer (IDM) model has been a great strength for Canon and Nikon, which have weathered the slow-down in digital still-cameras.

In the next five years, the global consumption of CMOS Image Sensor will show upward tendency further, consumption is expected in 2020 will be 5535 (million units). The average operating rate will remain at 80% to 90%.

Smartphone applications still take the lion's share of the CMOS Image Sensor (CIS) market. While automotive is the big story in 2014, as car manufacturers like Tesla, Nissan and Ford are showing off their first camera-enabled features.

Despite the presence of competition problems, due to the clear global recovery trend, investors are still optimistic about this area, in future still more new investment will enter into the field. Technology and cost are two major problems.

Although sales of CMOS Image Sensor brought a lot of opportunities, for the new entrants with only advantage in capital without sufficient support in technology and downstream channels, the research group did not recommend taking risk the enter this market.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the CMOS Image Sensor 4900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting

production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the CMOS Image Sensor 4900 industry.

Based on our recent survey, we have several different scenarios about the CMOS Image Sensor 4900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 5555.7 million in 2019. The market size of CMOS Image Sensor 4900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global CMOS Image Sensor market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global CMOS Image Sensor market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global CMOS Image Sensor market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global CMOS Image Sensor market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global CMOS Image Sensor market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global CMOS Image Sensor market, covering important regions, viz, North America, Europe, China, Japan and South Korea. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global CMOS Image Sensor market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global CMOS Image Sensor market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global CMOS Image Sensor market.

The following manufacturers are covered in this report:

Sony

Samsung

OmniVision

Canon

On Semi (Aptina)

Toshiba

ST

Nikon

PixelPlus

Pixart

SiliconFile

GalaxyCore

CMOS Image Sensor Breakdown Data by Type

Front-illuminated (FI) CMOS

Backside-illuminated (BSI) CMOS sensor

CMOS Image Sensor Breakdown Data by Application

Industrial/Space/Defence

Security

Medical

Automotive

Computing

Consumer

Mobile

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