

# Global Back-illuminated CMOS Image Sensor Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Back-illuminated CMOS Image Sensor market size is expected to reach \$ 15210 million by 2029, rising at a market growth of 5.7% CAGR during the forecast period (2023-2029).

Compared to conventional CMOS image sensors with a front-illuminated structure, it has achieved roughly double the sensitivity while also reducing noise. Emitting light from the back side of the silicon substrate has made it possible to increase the amount of light entering each pixel without being obstructed by metal wiring or transistors, allowing it to reduce the degradation of sensitivity caused by different optical angles. It can capture smooth, high resolution images even in settings with dark environments such as night views.

This report studies the global Back-illuminated CMOS Image Sensor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Back-illuminated CMOS Image Sensor, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Back-illuminated CMOS Image Sensor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Back-illuminated CMOS Image Sensor total production and demand, 2018-2029, (K Units)

Global Back-illuminated CMOS Image Sensor total production value, 2018-2029, (USD Million)

Global Back-illuminated CMOS Image Sensor production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Back-illuminated CMOS Image Sensor consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Back-illuminated CMOS Image Sensor domestic production, consumption, key domestic manufacturers and share

Global Back-illuminated CMOS Image Sensor production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Back-illuminated CMOS Image Sensor production OmniVision Technologies, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Back-illuminated CMOS Image Sensor production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Back-illuminated CMOS Image Sensor market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sony Semiconductor Solutions Corporation, Canon, Hamamatsu Photonics K.K. and Its Affiliates, Ams-OSRAM AG, Onsemi, FRAMOS and OmniVision Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Back-illuminated CMOS Image Sensor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, OmniVision Technologies, and by Application. Data is given for the years

2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Back-illuminated CMOS Image Sensor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Back-illuminated CMOS Image Sensor Market, Segmentation OmniVision Technologies

Rolling Shutter

Global Shutter

Global Back-illuminated CMOS Image Sensor Market, Segmentation by Application

Digital Camera

Telescope

Others

## Companies Profiled:

Sony Semiconductor Solutions Corporation

Canon

Hamamatsu Photonics K.K. and Its Affiliates

Ams-OSRAM AG

Onsemi

FRAMOS

OmniVision Technologies

## Key Questions Answered

1. How big is the global Back-illuminated CMOS Image Sensor market?
2. What is the demand of the global Back-illuminated CMOS Image Sensor market?
3. What is the year over year growth of the global Back-illuminated CMOS Image Sensor market?
4. What is the production and production value of the global Back-illuminated CMOS Image Sensor market?
5. Who are the key producers in the global Back-illuminated CMOS Image Sensor market?
6. What are the growth factors driving the market demand?

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