

# Global Back-illuminated CMOS Image Sensor Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GB0844868611EN.html>

Date: May 2023

Pages: 92

Price: US\$ 3,480.00 (Single User License)

ID: GB0844868611EN

## Abstracts

According to our (Global Info Research) latest study, the global Back-illuminated CMOS Image Sensor market size was valued at USD 10290 million in 2022 and is forecast to a readjusted size of USD 15210 million by 2029 with a CAGR of 5.7% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

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 is a detailed and comprehensive analysis for global Back-illuminated CMOS Image Sensor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, OmniVision Technologies and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Back-illuminated CMOS Image Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Back-illuminated CMOS Image Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Back-illuminated CMOS Image Sensor market size and forecasts, OmniVision Technologies and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Back-illuminated CMOS Image Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Back-illuminated CMOS Image Sensor

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report 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 and Onsemi, etc.

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

Market Segmentation

Back-illuminated CMOS Image Sensor market is split OmniVision Technologies and by

Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value OmniVision Technologies, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment OmniVision Technologies

Rolling Shutter

Global Shutter

#### Market segment by Application

Digital Camera

Telescope

Others

#### Major players covered

Sony Semiconductor Solutions Corporation

Canon

Hamamatsu Photonics K.K. and Its Affiliates

Ams-OSRAM AG

Onsemi

FRAMOS

OmniVision Technologies

#### 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 Back-illuminated CMOS Image Sensor product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Back-illuminated CMOS Image Sensor 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 OmniVision Technologies and application, with sales market share and growth rate by ivision technologies, 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 Back-illuminated CMOS Image Sensor market forecast, by regions, ivision technologies and application, with sales and revenue, from 2024 to 2029.

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

and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Back-illuminated CMOS Image Sensor.

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

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