

# Global Camera with BSI CMOS Image Sensor Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Camera with BSI CMOS Image Sensor market size is expected to reach \$ 22728 million by 2032, rising at a market growth of 4.4% CAGR during the forecast period (2026-2032).

In 2025, global Camera with BSI CMOS Image Sensor production reached approximately 39.8 million Units, with an average global market price of around US\$ 409 per unit.

A Camera with BSI CMOS Image Sensor is an imaging device that integrates a Backside Illuminated (BSI) CMOS Image Sensor as its core light-capturing component, replacing traditional Frontside Illuminated (FSI) CIS to deliver superior low-light performance, higher resolution, and better dynamic range. The BSI architecture rearranges the sensor's internal pixel structure, placing photodiodes on the back of the silicon wafer, away from light-blocking metal interconnects, maximizing light intake and image quality across consumer, automotive, industrial, and professional scenarios. The CMOS image sensor industry chain presents a vertical hierarchical structure with clear division of labor, spanning from upstream core material and equipment supply, midstream sensor design, manufacturing and packaging, to downstream application terminal integration. The industry has strong technical barriers, high concentration of leading enterprises, and close collaborative links between upstream and downstream links. The upstream segment provides the essential materials, equipment and intellectual property (IP) required for CIS design and manufacturing, and is the foundation of the entire industry chain. The market is dominated by a small number of international enterprises. The midstream is the core value link of the industry chain, covering three key links: chip design, wafer fabrication, and packaging and testing. The industry is divided into two business models: IDM (Integrated Device Manufacturer) and Fabless + Foundry + OSAT. Downstream applications cover consumer electronics, automotive electronics, industrial detection, security monitoring, medical imaging and

other fields. The demand of different scenarios drives the iteration of CIS technology, and the B2B field has become the main growth engine in recent years. The iteration of downstream application demand (e.g., automotive high dynamic range, industrial global shutter) drives the R&D of midstream design and upstream material and equipment technologies, forming a positive feedback loop.

This report studies the global Camera with BSI CMOS Image Sensor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Camera with BSI CMOS Image Sensor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Camera with BSI CMOS Image Sensor that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Camera with BSI CMOS Image Sensor total production and demand, 2021-2032, (Units)

Global Camera with BSI CMOS Image Sensor total production value, 2021-2032, (USD Million)

Global Camera with BSI CMOS Image Sensor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global Camera with BSI CMOS Image Sensor consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: Camera with BSI CMOS Image Sensor domestic production, consumption, key domestic manufacturers and share

Global Camera with BSI CMOS Image Sensor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global Camera with BSI CMOS Image Sensor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global Camera with BSI CMOS Image Sensor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global Camera with BSI 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, Leica, Allied Vision, Canon, Nikon, Samsung, SIGMA, Panasonic, FUJIFILM, AMETEK?Vision Research?, etc. This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

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

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Camera with BSI CMOS Image Sensor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Camera with BSI CMOS Image Sensor Market, Segmentation by Type:

Less than 40 Megapixels

40-60 Megapixels

More than 60 Megapixels

Global Camera with BSI CMOS Image Sensor Market, Segmentation by Shutter Type:

Rolling Shutter (RS)

Global Shutter (GS)

## Global Camera with BSI CMOS Image Sensor Market, Segmentation by BSI Sensor Architecture:

Standard BSI

Stacked BSI (sBSI)

Hybrid BSI

## Global Camera with BSI CMOS Image Sensor Market, Segmentation by Application:

Consumer Electronics

Automotive

Industrial

Security

Others

## **Companies Profiled:**

Sony

Leica

Allied Vision

Canon

Nikon

Samsung

SIGMA

Panasonic

FUJIFILM

AMETEK?Vision Research?

RICOH

**Key Questions Answered:**

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

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