

CMOS Image Sensors - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global CMOS Image Sensors Market is accounted for \$9.24 billion in 2017 and is expected to reach \$22.81 billion by 2026 growing at a CAGR of 10.6% during the forecast period. Factors such as increasing usage of CMOS sensors in consumer electronics products, rising demand for automobile driver assistance and 4K pixel technology in security & surveillance sector are fuelling the market growth. However, Competition from CCD (Charge Coupled Device) image sensors is hampering the market growth.

CMOS (Complementary metal oxide semiconductor) image sensor is an optoelectronic device used for converting incident photon flux to digital signals. These sensors provide the benefit of low power consumption and high-speed imaging capabilities. CMOS sensors are more capable processing at high speed compared to other sensors such as CCD (charged couple device).

Among Application, the Consumer Electronics segment is constantly enhancing during the forecast period. CMOS image sensors are increasingly utilized in consumer devices such as smartphones, tablets, and digital single-lens reflex (DSLR) cameras. They are also used in communication products, entertainment devices, information technology, and home appliances.

By Geography, the Asia-Pacific region is likely to have a huge demand due to the higher growth of the automotive industry and the rising number of smartphone users. China and India are investing more in the automotive industry which will aggregate more demand in this region.

Some of the key players in global CMOS Image Sensors market are STMicroelectronics

N.V., Panasonic Corporation, Teledyne Technologies, Inc., Sony Corporation, Hitachi Ltd, Samsung Electronics, Fujifilm Corporation, Canon, Nikon, Toshiba Corporation, Sharp Corporation, Galaxycore Inc, Omnivision Technologies, E2V Technologies PLC, Pixart Imaging Inc., CMOSis N.V., Olympus Corporation and Micron Technology.

Specifications Covered:

Spectrum

Array type

Image processing type

Types Covered:

Wireless

Wired

Technologies Covered:

Complementary Metal-Oxide-Semiconductor (CMOS)

Other technologies

Wafer and Sensor Size Covered:

Wafer Size

Sensor Size

Applications Covered:

Industrial

Automotive and Transportation

Consumer Electronics

Security and Surveillance

Aerospace and Defense

Healthcare

Entertainment

Medical

Computing

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

Competitive Benchmarking

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