

Image Sensors Market Analysis With Opportunity Segments For 2024-2033

The Business Research Company's Image Sensors Global Market Report 2024 - Market Size, Trends, And Global Forecast 2024-2033

LONDON, GREATER LONDON, UK, July 23, 2024 /EINPresswire.com/ -- The [image sensors market](#) has experienced robust growth in recent years, expanding from \$23.99 billion in 2023 to \$26.18 billion in 2024 at a compound annual growth rate (CAGR) of 9.1%. The growth in the historic period can be attributed to increased medical imaging, increased mobile cameras, and increased demand from automotive industry.



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The image sensors market size is expected to see rapid growth in the next few years. It will grow to \$37.27 billion in 2028 at a compound annual growth rate (CAGR) of 9.2%."

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Company*

Strong Future Growth Anticipated

The image sensors market is projected to continue its strong growth, reaching \$37.27 billion in 2028 at a compound annual growth rate (CAGR) of 9.2%. The growth in the forecast period can be attributed to increasing demand for high-quality imaging in autonomous vehicles, increasing consumer electronics, and growing population.

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Growth Driver Of The Image Sensors Market

The increasing number of autonomous vehicles is expected to propel the growth of the image sensors market going forward. Autonomous vehicles are self-driving cars that employ advanced sensor technologies, computer systems, and artificial intelligence to operate and navigate without constant human intervention or monitoring. Autonomous vehicles have the potential to significantly reduce accidents caused by human error, which accounts for a large percentage of traffic collisions, and improve overall transportation efficiency by communicating with each other

and coordinating their movements. Image sensors, combined with computer vision algorithms, enable autonomous vehicles to detect and recognize objects such as pedestrians, other vehicles, traffic signs, and obstacles on the road.

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Major Players And Market Trends

Key players in the image sensors market include Samsung Electronics Co., General Electric Company, Sony Corporation, Panasonic Corporation, SK Hynix Inc., Toshiba Corporation, Canon Inc., STMicroelectronics NV, Micron Technology Inc., Infineon Technologies AG, ON Semiconductor Corporation, Ams AG.

Major companies operating in the image sensors market are developing complementary metal oxide semiconductor (CMOS) image sensors to cater to the growing demand for high-performance imaging solutions across various industries. A CMOS image sensor is widely used in digital cameras, smartphones, and different imaging devices, including those employed in autonomous vehicles.

Segments:

- 1) By Type: Area Image Sensors, Linear Image Sensors
- 2) By Technology: Complementary Metal-Oxide-Semiconductor (CMOS), Charge-Coupled Device (CCD), Other Technologies
- 3) By Processing Type: 2D Image Sensors, 3D Image Sensors
- 4) By Spectrum: Visible Spectrum, Non-Visible Spectrum
- 5) By End-User Industry: Consumer Electronics, Healthcare, Industrial, Security And Surveillance, Automotive And Transportation, Aerospace And Defense, Other End-User Industries

Geographical Insights: North America Leading The Market

North America was the largest region in the image sensors market in 2023. Asia-Pacific is expected to be the fastest-growing region in the forecast period. The regions covered in the image sensors market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

Image Sensors Market Definition

Image sensors are electronic devices that convert light into an electrical signal to create digital images. The primary purpose of image sensors is to capture visual information from the environment and convert it into electronic data. Image sensors are vital for capturing and processing visual information in numerous applications, ranging from everyday consumer devices to advanced industrial and scientific equipment.

[Image Sensors Global Market](#) Report 2024 from The Business Research Company covers the following information:

- Market size data for the forecast period: Historical and Future

- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Image Sensors Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [image sensors market size](#), image sensors market drivers and trends, image sensors market major players, image sensors competitors' revenues, image sensors market positioning, and image sensors market growth across geographies. The image sensors market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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