

Global Image Sensor Market Size study, By Technology (CMOS Image Sensor, CCD Image Sensor, Others), By Spectrum (Visible Spectrum, Non-visible Spectrum), By End-User (Aerospace, Defense, and Homeland Security, Automotive, Consumer Electronics, Medical And Life Sciences, Industrial, Others), and Regional Forecasts 2022-2028

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Abstracts

Global Image Sensor Market is valued at approximately USD XX million in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028. An image sensor is a sensor that is used to detect and carries information that helps in creating an image. The automatic image sensor is a developed and upgraded photosensitive electronic sensor that easily converts light signals into digital signals in the stipulated time. Sensors such as complementary metal-oxide-semiconductor (CMOS) and charged coupled device (CCD) sensors are the two most commonly applied image sensors. The growing integration of high-resolution cameras equipped with image sensors in mobile devices, the rise in demand for image cameras for automotive applications, coupled with the increasing usage of image sensors in advanced medical imaging solutions are the significant factors attributing to the global market demand. For instance, as per Statista, in 2021, total number of smartphone subscriptions was estimated to account for 6,269 million worldwide and the amount is continuously growing and likely to reach 7,690 million by 2027. Consequentially, the surging demand for smartphones among the population is positively influencing the market growth across the globe. However, the high manufacturing costs of large chip image sensors and easy availability of LiDAR solutions for autonomous vehicles impede the growth of the market over the forecast period of 2022-2028. Also, the growing adoption of image sensor cameras in autonomous vehicles and rising innovations and

advancements in image sensors are anticipated to act as catalyzing factors for the market demand during the forecast period.

The key regions considered for the global Image Sensor Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. North America is the leading region across the world in terms of market share owing to the growing penetration of emerging technologies and the growing investment in R&D activities. Whereas, Asia-Pacific is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Factors such as the increasing demand for smartphones and tablets, as well as, rising concern for the safety of onboard passengers in automobiles, would create lucrative growth prospects for the Image Sensor Market across the Asia-Pacific region.

Major market players included in this report are:

Sony Corporation
Samsung Electronics Co., Ltd.
OmniVision Technologies, Inc.
STMicroelectronics
ON Semiconductor Corporation
Panasonic Corporation
Canon Inc.
SK hynix Inc.
PixArt Imaging Inc.
Hamamatsu Photonics K.K.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

CMOS Image Sensor
CCD Image Sensor
Others

By Spectrum:

Visible Spectrum

Non-visible Spectrum

By End-User:

Aerospace, Defense, and Homeland Security

Automotive

Consumer Electronics

Medical And Life Sciences

Industrial

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Image Sensor Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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