



**Orion Market Research**



## **Global Smart Sensors Market Share, Trends, Size, Research and Forecast 2020-2026**

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The [global smart sensors market](#) is projected to exhibit a significant growth, at a CAGR of around 18.2%, during the forecast period. Image sensor is widening their wings in almost every application. Healthcare and automobile sector are no untouched with this. Healthcare industry is growing owing to rising number of chronic disease patients, increasing geriatric population, increasing healthcare infrastructure and so on. Medical imaging concentrates on the capture of images for both therapeutic and diagnostic purposes. Snapshots of both physiological and in vivo physiology can be gathered through advanced sensors and computer technology.

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After penetrating the consumer and industrial sector for a decade, image sensor is gaining its popularity in automobile world. Automobile market is also growing in terms of popularity, image sensor is finding its applications in automobile sector. Automobile is using image sensor to increase driver's comfort and safety. CMOS sensor is majorly used in automobile. Smart sensor market is growing in automobile sector owing to increasing technology, increases safety regarding concerns, increasing demand of automobile. Reverse parking assistance, Active Gated Imaging System (AGIS), ADAS (advanced driver assistance system) and so on are used in automobile for enhancing automobile safety. These two technologies is growing owing to increasing technology and rising safety concerns.

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Smart sensors used in the automobile for driver's safety are also known as automobile image sensor. Digital cameras are penetrating the automobile sector at a rapid pace. Cameras are a key sensor in increasing driving assistance, car safety and driving comfort of the driver. The image sensor in the automobile sector is dominated by CMOS sensors. Automobile sensors are different from the sensors that are used in other market sectors, as there is a need to optimize temperature range, dynamic range, speed, cost and many other key parameters.

Additionally, the image sensor is growing vigorously in the automotive sector, majorly in ADAS (advanced driver assistance system), offering growth opportunity for the smart sensors market. The ADAS image sensors improve the driver safety; it helps the car to gather information regarding its surrounding. CMOS sensors are already finding their way into cars equipped with ADAS capabilities, such as blind-spot detection, gesture recognition, collision avoidance, backup cameras, lane-departure warnings, and adaptive cruise control that adjusts to changing traffic conditions. The electronics manufacturers are engaged in the development of advanced imaging technologies, so as to drive safety in autonomous driving. In May 2019, ON Semiconductor introduced a portfolio of sensors for automotive applications. It includes the next-generation RGB-IR image sensor solution for in-cabin applications and the Hayabusa family of CMOS image sensors for ADAS and viewing automotive camera systems.

## Global Smart Sensors Market-Segmentation

### By Therapeutics

- Pressure Sensor
- Temperature Sensor
- Flow Sensor
- Image Sensor
- Others (Humidity Sensor and Position Sensor)

### By Condition

- Aerospace and Defense
- Healthcare
- Industrial Automation
- Automotive and Transportation
- Consumer Electronics
- Others (Building Automation)

## Global Smart Sensors Market– Segment by Region

### North America

- United States
- Canada

### Europe

- Germany
- UK
- France
- Spain
- Italy
- Rest of Europe

### Asia-Pacific

- China
- Japan
- India
- Rest of Asia-Pacific

## Rest of the World

### Company Profiles

- ABB Ltd.
- Analog Devices, Inc.
- Eaton Corporation PLC
- Honeywell International Inc.
- Infineon Technologies AG
- LEGRAND
- NXP Semiconductors N.V.
- OMRON Corp.
- Renesas Electronics Corp.
- Robert Bosch GmbH
- Rockwell Automation, Inc.
- Samsung Electronics Co., Ltd.
- Siemens AG
- Smart Sensors, Inc.
- STMicroelectronics N.V.
- TDK Corp.
- TE Connectivity Ltd.
- Vishay Technology Inc.

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