Motion Sensors Market by Motion Sensor Technology (Infrared, Ultrasonic, Microwave, Dual Technology & Tomographic), Embedded Sensor Type (Accelerometer, Gyroscope, Magnetometer & Combos Sensor), Application & Region - Global Forecast to 2020

Description: Motion sensors have applications across varied industry verticals, such as consumer electronics, automotive, industrial & healthcare, and aerospace & defense. The consumer electronics segment is further sub-segmented into smartphone & tablets, gaming & entertainment, and wearable electronics. The automotive segment is sub-segmented into airbag deployment system and driver assistance system. Industrial application segment includes fire alarms & smoke detectors, lighting controls, and service robotics. Asia-Pacific is the fastest-growing market for consumer electronics application and is expected to grow at a CAGR of 15.14% from 2015 to 2020.

The global motion sensors market is primarily driven by the adoption of motion sensors in multiple industries, the increased use of smartphones, tablets, and mobile devices, the integration of gyroscopes in mobile devices, and the rapidly growing interactive gaming industry. Another major factor driving the motion sensors market is the reduction in size and the penetration of micro-electro-mechanical systems (MEMS) technology into motion sensor industry.

The global motion sensors market was valued at USD 3.10 Billion in 2014 and is projected to reach USD 6.45 Billion by 2020, at a CAGR of 12.93% from 2015 to 2020.

The global motion sensors market has been segmented on the basis technology, embedded sensor type, application, and geography. The technology segment is subdivided into infrared, ultrasonic, microwave, dual technology & tomographic. Infrared sensor had the highest share of 50% in the global market in 2014. Microwave sensor is estimated to grow at the highest CAGR of 15.27% during the forecast period.

The market on the basis of geography has been classified into four regions, namely, North America, Europe, APAC (Asia-Pacific), and RoW (rest of the world). APAC region is expected to contribute maximum towards motion sensors market.

The major players in the global motion sensors market include Bosch Sensortec GmbH (Germany), Freescale Semiconductor Ltd. (U.S.), STMicroelectronics (Switzerland), MEMSIC, Inc. (U.S.), Honeywell International, Inc. (U.S.), Murata Manufacturing Co., Ltd. (Japan), and Analog Devices, Inc. (U.S.). These companies have adopted various strategies, such as mergers & acquisitions and partnership, among others, to achieve growth in the global market.

Scope of the Report:

This report categorizes the global market for motion sensors on the basis of motion technology, embedded sensor type, application, and geography.

Market Segmentation, by Motion Technology:

The market has been segmented on the basis of technology into infrared sensor, ultrasonic sensor, microwave sensor, tomographic sensor, and dual-technology motion sensor.

Market Segmentation, by Embedded Sensor Type:

The market has been segmented on the basis of embedded sensor type into MEMS accelerometer, MEMS gyroscope, MEMS magnetometer, and sensor combos.

Market Segmentation, by Application:

The motion sensor market has been segmented on the basis of application into consumer electronics, automotive, industrial & healthcare, and aerospace & defense.
Market Segmentation, by Geography:

The geographic analysis covers North America, Europe, Asia-Pacific, and RoW.

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