

Motion Sensor Market Report and Forecast 2025-2034

Market Report | 2025-08-13 | 180 pages | EMR Inc.

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Report description:

The global motion sensor market is projected to attain nearly USD 14.29 Billion by 2034, growing at a CAGR of 8.00% over the forecast period of 2025-2034.

The global motion sensor market is being driven by the rising demand for wearable electronic gadgets and unmanned vehicles, strict government regulations for automotive industry, commercialisation of IoT, and the growing expenditure in the defence sector globally.

Market Segmentation

A motion sensor is a device designed to detect moving objects, especially humans. Motion sensors are often incorporated as a component of a system that detects motion and alerts the user. It is generally found in security systems, automated lighting control, and other useful systems. The global motion sensor market can be broadly categorised on the basis of segments like motion technology, applications, and regions.

Market Breakup by Motion Technology

- Infrared
- Ultrasonic
- Microwave
- Dual Technology
- Tomographic
- Others

Market Breakup by Application

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- Consumer Electronics
- Automotive
- Aerospace and Defense
- Healthcare
- Industrial
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Market Analysis

Strong consumer demand for electronic devices, lucrative opportunities in developing countries, and higher spending on defence to upgrade security systems are some of the major factors driving the growth of the global motion sensor market. The rising acceptance of wearable electronic gadgets and the growing penetration of IoT are further providing growth opportunities to the players in the motion sensor market globally. The growing use of consumer electronics such as smartphones, portable computers, navigation devices, media players, digital cameras, gaming consoles, and e-readers is expected to drive the growth of the global motion sensor industry over the forecast period.

Competitive Landscape

The report presents a detailed analysis of the following key players in the global motion sensor market, looking into their capacity, competitive landscape, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- ST Microelectronics N.V
- Murata Manufacturing Co., Ltd.
- Honeywell International Inc.
- NXP Semiconductors N.V
- Analog Devices Inc.
- Microchip Technology Inc.
- InvenSense, Inc.
- Bosch Sensortec GmbH
- KIONIX, Inc.
- MEMSIC Semiconductor (Tianjin) Co., Ltd.
- Others

The EMR report gives an in-depth insight into the motion sensor market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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