Global Smartphone Sensors Market Report and Forecast 2023-2028

Market Report | 2023-08-18 | 144 pages | EMR Inc.

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Report description:

Global Smartphone Sensors Market Report and Forecast 2023-2028
Market Outlook
According to the report by Expert Market Research (EMR), the global smartphone sensors market is projected to grow at a CAGR of 6.21% between 2023 and 2028. Aided by the surging demand for advanced smartphone features and the continuous technological evolution in mobile technologies, the market is expected to grow significantly by 2028.
Smartphone sensors, the subtle powerhouse behind the functionality of modern mobile devices, have witnessed exponential advancement in recent years. During the forecast period, the increasing inclination of population towards technology is increasing the smartphone sensors market size. These micro components detect environmental conditions or changes, transforming them into electronic signals for smartphones to execute precise and optimised actions. Whether it's the gyroscope enabling screen rotation, the proximity sensor turning off the display during calls, or the camera sensors capturing breathtaking photos, the essence of a smartphone's versatility largely depends on these sensors.
With the emergence of augmented reality (AR), virtual reality (VR), and gaming applications, there's been a significant surge in the demand for highly efficient and accurate sensors. High-performance sensors, such as accelerometers and gyroscopes, are crucial for immersive experiences in AR and VR applications, ensuring responsiveness and precise motion tracking. As these digital experiences become an integral part of consumers' lives, the importance of sophisticated sensors is only set to amplify.
Similarly, as photography becomes a pivotal smartphone feature, the smartphone sensors market demand is soaring. Manufacturers are consistently pushing the boundaries to enhance photo quality, low-light performance, and stabilisation, all of which heavily rely on innovative sensor technologies. Features like ultra-slow-motion video, time-lapse, and super-resolution zoom further underscore the significance of cutting-edge sensors in contemporary smartphones.
The health and fitness trend has also boosted the smartphone sensors market growth. Biosensors, capable of monitoring heart rate, oxygen levels, and even blood pressure, are becoming standard in high-end smartphones, making health monitoring more accessible and integrated into daily life. The convenience of having health metrics at one's fingertips is further fuelling the adoption of smartphones with these advanced sensor capabilities.
Beyond the commonly known sensors, smartphones are also integrating environmental sensors, such as those for air quality, humidity, and temperature. These cater to niche markets or specific regions, where certain environmental conditions are

predominant, enabling smartphones to be more adaptive and user-friendly.

Market Segmentation

The market can be divided based on form, price range, end use, and region.

Market Breakup by Form

- Interface
o Proximity
o Near Field Communication (NFC)
o Ambient Light Sensor
- Security
o Face/Eye/Iris Recognition
o Fingerprint Sensor
o Environmental
o Barometer
o Thermometer
o Humidity Sensor
- Motion
o Accelerometer
o Gyroscope
o Compass
o Pedometer

Market Breakup by Price Range

- Premium Range
- Medium Range
- Low Range

Market Breakup by End Use

- Industrial Machinery
- Construction
- Aerospace and Defence
- Automotive
- Electronics
- Telecommunication
- Others

Market Breakup by Region

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

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global smartphone sensors market. Some of the major players explored in the report by Expert Market Research are as follows:

- Alps Electric Co., Ltd.
- Fujitsu Limited
- InvenSense Inc.
- Murata Manufacturing Co., Ltd.
- Panasonic Corporation

- Bosch Sensortec GmbH
- MEMS VISION
- Samsung Electronics Co., Ltd.
- Sony Semiconductor Solutions Corporation
- Broadcom Inc.
- STMicroelectronics International N.V
- Others

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*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

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