

Sensor Market in Consumer Healthcare by Application (Patient Monitoring, Therapeutic, Handheld and Homecare, & Fitness and wellness), Sensor Type (Blood Pressure Sensor, Temperature Sensor, Image sensor, Heart rate sensor, Touch Sensor & Motion Sensor) & by Geography - Analysis & Forecast to 2013 - 2020

<https://marketpublishers.com/r/S3F731EFE22EN.html>

Date: June 2014

Pages: 388

Price: US\$ 5,650.00 (Single User License)

ID: S3F731EFE22EN

Abstracts

The sensor technology is playing an increasingly important role in the consumer healthcare sector by improving the quality of life with the integration of various sensors into the intelligent portable devices. These devices are useful in measuring and controlling the body parameters with accuracy and reliability. The sensor based consumer healthcare devices have started penetrating in different applications such as continuous patient monitoring, handheld and homecare, and wellness and fitness.

This research study on the sensor market in consumer healthcare focuses on various types of sensors such as pressure sensor, temperature sensor, motion sensor, heart-rate sensor, blood glucose sensor, calorie sensor, image sensor, and blood oxygen sensor; the market for image sensor is expected to grow at a high CAGR in the forecast period.

The sensor in consumer healthcare market is expected to reach \$47.40 billion by 2020 globally, at an estimated CAGR of 5.56%. The image sensor in consumer healthcare market, which is emerging is expected to grow at a CAGR of 14.13%. North America is the biggest market for sensors in the consumer healthcare sector, followed by Europe and APAC.

The report analyzes the entire market based on all the major geographic segments such as North America, Europe, Asia-Pacific, and Rest of the World. The report also draws the competitive landscape of the sensors in consumer healthcare industry by analyzing the major players and the strategies adopted by them for growth in the market. Apart from the market segmentation data, the report also includes qualitative analysis of various market dynamics such as the drivers, restraints, opportunities, burning issues, and winning imperatives. It also analyzes the overall market through various models such as the Porter's five forces model. The report includes profiles of major market players in the global sensor market in consumer healthcare with their respective market share analysis.

The report profiles the major companies active in this field such as Analog Devices, Inc. (U.S.), Freescale Semiconductor, Inc. (U.S.), Fujitsu Corporation (Japan), InvenSense, Inc. (U.S.), Infineon Technologies AG (Germany), and few others.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES
- 1.2 REPORT DESCRIPTION
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY
 - 1.5.1 MARKET SIZE
 - 1.5.2 KEY DATA FROM SECONDARY SOURCES
 - 1.5.3 KEY DATA FROM PRIMARY SOURCES
 - 1.5.4 ASSUMPTIONS MADE FOR THE REPORT
 - 1.5.5 LIST OF COMPANIES COVERED DURING STUDY

2 EXECUTIVE SUMMARY

3 COVER STORY

- 3.1 INTERVIEW WITH DIRECTOR-CORPORATE BUSINESS DEVELOPMENT, ALPHASIP
- 3.2 INTERVIEW WITH DIRECTOR OF MARKETING, EPCOS AG.

4 MARKET OVERVIEW

- 4.1 HISTORY AND EVOLUTION OF SENSORS
- 4.2 SENSORS IN CONSUMER HEALTHCARE
- 4.3 MARKET DYNAMICS
 - 4.3.1 MARKET DRIVERS
 - 4.3.1.1 Increasing geriatric population to propel the need of monitoring devices
 - 4.3.1.2 Ease-of-use and portability of devices to push point-of- sensors used in healthcare monitoring devices
 - 4.3.1.3 Enhanced user experience due to digital radiology
 - 4.3.1.4 Demand of various diagnostic imaging modalities
 - 4.3.1.5 Increasing demand of image sensors due to advancements in imaging technology
 - 4.3.1.6 Consumer preference of wearable devices
 - 4.3.1.7 Advancing technology
 - 4.3.1.8 Increasing use of radiation therapy in treatment and diagnosis of diseases

4.3.1.9 Continuous growth of the capacitive touch sensors enabled devices in the consumer healthcare sector

4.3.2 MARKET RESTRAINTS

4.3.2.1 Lack of trained personnel

4.3.2.2 High maintenance and refurbishment cost

4.3.2.3 Availability of low cost alternatives

4.3.2.4 Lack of product differentiation

4.3.2.5 Decreasing value of blood glucose kits

4.3.2.6 Lack of proper standardization and calibration of devices and equipment

4.3.3 MARKET OPPORTUNITIES

4.3.3.1 Combination with augmented reality image sensors

4.3.3.2 Automated medical capsules

4.3.3.3 Motion sensors for Wearable devices

4.3.3.4 Emerging applications of the Capacitive sensors in the field of Nanotechnology

4.3.3.5 Adoption rates of therapeutic radiology in developing countries

4.3.4 PRESENT SCENARIO

4.3.4.1 MEMS-based sensors

4.3.4.2 Multivariable sensing capabilities

4.3.5 FUTURE SCENARIO

4.3.5.1 Wireless MEMS

4.3.5.2 Nano-electromechanical systems

4.3.6 WINNING IMPERATIVES

4.3.6.1 MEMS sensors in consumer healthcare

4.3.6.2 Demand for multi-touch sensors

4.3.7 NEW PRODUCT LAUNCHES

4.3.8 EMERGING TRENDS IN THE CONSUMER HEALTHCARE MARKET

4.3.8.1 Image sensor systems for diagnosis of cancer

4.3.8.2 Stick-on skin sensors

4.4 PRICING ANALYSIS

4.5 VALUE CHAIN ANALYSIS

4.6 PATENT ANALYSIS

4.7 PORTER'S ANALYSIS

4.7.1 THREAT OF NEW ENTRANTS

4.7.2 THREAT OF SUBSTITUTES

4.7.3 BARGAINING POWER OF SUPPLIERS

4.7.4 BARGAINING POWER OF BUYERS

4.7.5 DEGREE OF COMPETITION

5 MARKET BY SENSOR TYPE

- 5.1 INTRODUCTION
- 5.2 BLOOD PRESSURE SENSOR
- 5.3 TEMPERATURE SENSOR
- 5.4 IMAGE SENSOR
- 5.5 MOTION SENSOR
- 5.6 TOUCH SENSOR
- 5.7 HEART RATE SENSOR
- 5.8 BLOOD GLUCOSE SENSOR
- 5.9 RADIATION SENSOR
- 5.10 ECG SENSOR
- 5.11 BLOOD OXYGEN SENSOR/PULSE OXIMETER
- 5.12 LACTATE SENSOR
- 5.13 PEDOMETER
- 5.14 ENVIRONMENT SENSOR
- 5.15 CALORIE SENSOR

6 MARKET BY APPLICATION

- 6.1 PATIENT MONITORING
 - 6.1.1 ECG MONITOR
 - 6.1.2 HEART RATE MONITOR
 - 6.1.3 HEMODYNAMIC MONITOR
 - 6.1.4 PULSE OXIMETERS
 - 6.1.5 IMPLANTABLE LOOP RECORDER
 - 6.1.6 HOLTER MONITOR
 - 6.1.7 SMART PILLS
- 6.2 THERAPEUTIC
 - 6.2.1 SYRINGE PUMP
 - 6.2.2 INFUSION PUMP
- 6.3 IMAGING
 - 6.3.1 ULTRASOUND SCAN
 - 6.3.2 DIGITAL RADIOLOGY
 - 6.3.3 MAGNETIC RESONANCE IMAGING (MRI)
 - 6.3.4 ENDOSCOPY/CAPSULE ENDOSCOPY
- 6.4 HANDHELD AND HOMECARE
 - 6.4.1 SINGLE POINT BLOOD GLUCOSE MONITOR
 - 6.4.2 DIGITAL THERMOMETER

6.4.3 SLEEP APNEA MONITOR

6.4.4 CONTINUOUS GLUCOSE MONITOR

6.5 FITNESS AND WELLNESS

6.5.1 FITNESS ARMBAND

6.5.2 REHABILITATION EQUIPMENT

6.5.3 PHYSIOTHERAPY DEVICES

6.5.4 WEARABLE DEVICES

6.5.5 ALTITUDE SENSORS

6.5.6 POSTURE SENSORS

6.5.7 TEMPERATURE SENSORS

6.5.8 BLOOD PRESSURE SENSORS

6.5.9 BLOOD GLUCOSE SENSORS

6.5.10 ECG SENSORS

6.5.11 MOTION SENSORS

6.5.12 HEART RATE SENSORS

6.6 TOUCH SENSOR

7 MARKET BY GEOGRAPHY

7.1 INTRODUCTION

7.2 NORTH AMERICA

7.3 EUROPE

7.4 APAC

7.5 ROW

8 COMPETITIVE LANDSCAPE

8.1 INTRODUCTION

8.2 MARKET SHARE ANALYSIS

8.3 KEY GROWTH STRATEGIES

8.4 NEW PRODUCT DEVELOPMENTS

8.5 MERGERS AND ACQUISITIONS

8.6 JOINT VENTURES/PARTNERSHIPS/COLLABORATIONS/ ALLIANCES

8.7 OTHERS

9 COMPANY PROFILES (OVERVIEW, PRODUCTS AND SERVICES, FINANCIALS, STRATEGY & DEVELOPMENT)

9.1 3M

- 9.2 AMETEK, INC.
- 9.3 ANALOG DEVICES, INC.
- 9.4 APTINA IMAGING CORPORATION
- 9.5 ATMEL CORPORATION
- 9.6 AVAGO TECHNOLOGIES
- 9.7 BANNER ENGINEERING CORPORATION
- 9.8 CAMBRIDGE TEMPERATURE CONCEPTS
- 9.9 DANAHER CORPORATION
- 9.10 ECARDIO DIAGNOSTICS
- 9.11 ELMOS SEMICONDUCTOR AG
- 9.12 EPCOS AG
- 9.13 FREESCALE SEMICONDUCTOR, INC.
- 9.14 FUJITSU CORPORATION
- 9.15 GE MEASUREMENT & CONTROL SOLUTIONS
- 9.16 HONEYWELL INTERNATIONAL, INC.
- 9.17 INFINEON TECHNOLOGIES AG
- 9.18 INVENSENSE. INC.
- 9.19 KONINKLIJKE PHILIPS N.V.
- 9.20 MAXIM INTEGRATED
- 9.21 MEASUREMENT SPECIALTIES INC.
- 9.22 MELEXIS CORPORATION
- 9.23 MURATA MANUFACTURING CO., LTD.
- 9.24 PROTEUS DIGITAL HEALTH, INC.
- 9.25 QUALCOMM ATHEROS INC. (QCA)
- 9.26 RF TECHNOLOGIES
- 9.27 SENSEONICS, INC.
- 9.28 STMICROELECTRONICS N.V.
- 9.29 TEXAS INSTRUMENTS, INC.
- 9.30 TOSHIBA CORPORATION
- 9.31 VANCIVE MEDICAL TECHNOLOGIES (Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.)

List Of Tables

LIST OF TABLES

TABLE 1 GENERAL ASSUMPTIONS, TERMINOLOGIES, AND APPLICATION KEYNOTES

TABLE 2 ASP FOR SENSORS IN CONSUMER HEALTH, BY DEVICE TYPE

TABLE 3 SENSOR IN CONSUMER HEALTHCARE MARKET, PATENT ANALYSIS (2007-2014)

TABLE 4 SENSORS IN CONSUMER HEALTHCARE: MARKET VALUE, BY TYPE, 2013-2020 (\$MILLION)

TABLE 5 SENSORS IN CONSUMER HEALTHCARE: MARKET VOLUME, BY TYPE, 2013-2020 (MILLION UNITS)

TABLE 6 BLOOD PRESSURE SENSOR MARKET VALUE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 7 BLOOD PRESSURE SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 8 BLOOD PRESSURE SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 9 TEMPERATURE SENSOR MARKET VALUE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 10 TEMPERATURE SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 11 TEMPERATURE SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 12 IMAGE SENSOR MARKET VALUE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 13 IMAGE SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 14 IMAGE SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 15 MOTION SENSOR MARKET VALUE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 16 MOTION SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 17 MOTION SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 18 TOUCH SENSOR MARKET VALUE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 19 TOUCH SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020
(MILLION UNITS)

TABLE 20 TOUCH SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020
(\$MILLION)

TABLE 21 HEART RATE SENSOR MARKET VALUE, BY APPLICATION, 2013-2020
(\$MILLION)

TABLE 22 HEART RATE SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020
(MILLION UNITS)

TABLE 23 HEART RATE SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020
(\$MILLION)

TABLE 24 BLOOD GLUCOSE SENSOR MARKET VALUE, BY APPLICATION,
2013-2020 (\$MILLION)

TABLE 25 BLOOD GLUCOSE SENSOR MARKET VOLUME, BY APPLICATION,
2013-2020 (MILLION UNITS)

TABLE 26 BLOOD GLUCOSE SENSORS MARKET VALUE, BY GEOGRAPHY,
2013-2020 (\$MILLION)

TABLE 27 RADIATION SENSOR MARKET VALUE, BY APPLICATION, 2013-2020
(\$MILLION)

TABLE 28 RADIATION SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020
(MILLION UNITS)

TABLE 29 RADIATION SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020
(\$MILLION)

TABLE 30 ECG SENSOR MARKET VALUE, BY APPLICATION, 2013-2020
(\$MILLION)

TABLE 31 ECG SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020
(MILLION UNITS)

TABLE 32 ECG SENSORS MARKET VALUE, BY GEOGRAPHY, 2013-2020
(\$MILLION)

TABLE 33 BLOOD OXYGEN SENSOR MARKET VALUE, BY APPLICATION,
2013-2020 (\$MILLION)

TABLE 34 BLOOD OXYGEN SENSOR MARKET VOLUME, BY APPLICATION,
2013-2020 (MILLION UNITS)

TABLE 35 BLOOD OXYGEN SENSORS MARKET VALUE, BY GEOGRAPHY,
2013-2020 (\$MILLION)

TABLE 36 LACTATE SENSOR MARKET VALUE, BY APPLICATION, 2013-2020
(\$MILLION)

TABLE 37 LACTATE SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020
(MILLION UNITS)

TABLE 38 PEDOMETER MARKET VALUE, BY APPLICATION 2013-2020 (\$MILLION)

TABLE 39 PEDOMETER MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 40 PEDOMETER MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 41 ENVIRONMENT SENSOR MARKET APPLICATION 2013-2020 (\$MILLION)

TABLE 42 ENVIRONMENT SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 43 ENVIRONMENT SENSOR MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 44 CALORIE SENSOR MARKET VALUE, 2013-2020 (\$MILLION)

TABLE 45 CALORIE SENSOR MARKET VOLUME, 2013-2020 (MILLION UNITS)

TABLE 46 CALORIE SENSOR MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 47 ALTITUDE SENSOR MARKET VALUE, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 48 ALTITUDE SENSOR MARKET VOLUME, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 49 ALTITUDE SENSOR MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 50 POSTURE SENSOR MARKET VALUE, 2013-2020 (\$MILLION)

TABLE 51 POSTURE SENSOR MARKET VOLUME, 2013-2020 (MILLION UNITS)

TABLE 52 POSTURE SENSOR MARKET VALUE, BY GEOGRAPHY, 2013-2020 (\$MILLION)

TABLE 53 TEMPERATURE SENSORS MARKET VALUE FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 54 TEMPERATURE SENSORS MARKET VOLUME FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 55 BLOOD PRESSURE SENSOR MARKET VALUE FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 56 BLOOD PRESSURE SENSOR MARKET VOLUME FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 57 BLOOD GLUCOSE SENSOR MARKET VALUE FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 58 BLOOD GLUCOSE SENSOR MARKET VOLUME FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 59 ECG SENSOR MARKET VALUE FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 60 ECG SENSOR MARKET VOLUME FOR PORTABLE/WEARABLE DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 61 MOTION SENSOR MARKET VALUE FOR PORTABLE/WEARABLE

DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 62 MOTION SENSOR MARKET VOLUME FOR PORTABLE/WEARABLE
DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 63 HEART RATE SENSOR MARKET VALUE FOR PORTABLE/WEARABLE
DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 64 HEART RATE SENSOR MARKET VOLUME FOR PORTABLE/WEARABLE
DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 65 TOUCH SENSOR MARKET VALUE FOR PORTABLE/WEARABLE
DEVICES, BY APPLICATION, 2013-2020 (\$MILLION)

TABLE 66 TOUCH SENSOR MARKET VOLUME FOR PORTABLE/WEARABLE
DEVICES, BY APPLICATION, 2013-2020 (MILLION UNITS)

TABLE 67 SENSORS IN CONSUMER HEALTH: MARKET VALUE, BY GEOGRAPHY,
2013-2020 (\$MILLION)

TABLE 68 BANNER ENGINEERING CORPORATION: COMPANY SNAPSHOT

TABLE 69 CAMBRIDGE TEMPERATURE CONCEPTS: COMPANY SNAPSHOT

TABLE 70 ECARDIO DIAGNOSTICS: COMPANY SNAPSHOT

TABLE 71 COMPANY SNAPSHOT: PROTEUS DIGITAL, INC.

TABLE 72 COMPANY SNAPSHOT: QUALCOMM ATHEROS INC.

TABLE 73 SENSEONICS, INC.: COMPANY SNAPSHOT

About

Sensors play an important role in overall diagnostic and patient monitoring equipment market, and the applications of sensors in consumer healthcare have a scope beyond hospitals. The major technologies which are used in the designing of sensors are Complementary Metal Oxide Semiconductor (CMOS) technology, optical stereoscopy, and Micro-electromechanical systems (MEMS) used mainly in image, temperature, pressure (accelerometers), chemical, level, flow, and position sensors.

This report, based on the extensive research study on the world sensors market in consumer healthcare applications, aims at identifying the entire market and all its sub-segments through extensively detailed classifications, in terms of both - revenue and unit shipments.

This report is focused on giving a bird's eye-view of the industry with regards to global sensors market in consumer healthcare with qualitative analysis at each and every aspect of the classifications done by the types of sensors, applications, and geography.

The report presents a forecast about the future growth of sensors in the consumer healthcare market from 2013 to 2020. A complete competitive landscape of the current market is analyzed by the market share analysis and rankings of the current key players and all the other details of the key players are discussed in their company profiles. The competitive information in this report includes market shares of leading devices and component manufacturers, key developments, core strategies deployed to win in the race, mergers and acquisitions, new product developments, collaborations, and joint ventures of key manufacturers along with their company profiles.

The report also discusses the future of the global market with road-maps, discussing the upcoming technologies, markets, and application segments with respect to the sensors in the healthcare sector. It also gives insight into the trends and developments related to sensors in consumer healthcare and their effect on this market.

I would like to order

Product name: Sensor Market in Consumer Healthcare by Application (Patient Monitoring, Therapeutic, Handheld and Homecare, & Fitness and wellness), Sensor Type (Blood Pressure Sensor, Temperature Sensor, Image sensor, Heart rate sensor, Touch Sensor & Motion Sensor) & by Geography - Analysis & Forecast to 2013 - 2020

Product link: <https://marketpublishers.com/r/S3F731EFE22EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S3F731EFE22EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970