

## 3D Sensor - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/3D0A03B8ED3EN.html>

Date: July 2018

Pages: 191

Price: US\$ 4,150.00 (Single User License)

ID: 3D0A03B8ED3EN

### Abstracts

According to Statistics MRC, the Global 3D Sensor Market is accounted for \$1365.4 million in 2017 and is expected to reach \$299.6 million by 2026 growing at a CAGR of 9.1% during the forecast period. Factors such as increasing use of 3D sensing technology, innovation into sensor technology due to constant R&D activity and growing need of advanced security and surveillance camera are driving the market growth. However, high costs of maintenance and lack of product differentiation are some of the factors hampering the market growth.

Three dimensional sensors are depth sensing devices which aims at connecting the devices with the real world by using projected light and a camera system. 3D sensors have a wide function in modern life. This ranges from cameras to drones and robots. These sensors transmit data with a high speed, consume less power and are transferable. The 3D sensor technology has major role in development of semiconductor industry because of its attractive features such as cost effectiveness, greater reliability and high efficiency.

Based on application, Consumer electronics has acquired the significant growth during the forecast period. Factors such as huge adoption rate of 3D sensors in consumer electronics and presence of extra features such as virtual reality gaming and augmented reality games are driving the market growth. By Technology, time-of-flight segment has a considerable growth in the market due to it provides higher frame rate compared to other sensor technologies. Based on geography, North America is anticipated to be the largest market during the forecast period due to presence of leading manufacturers of 3D imaging technology based device.

Some of the key players profiled in the 3D Sensor Market include Intel Corporation, Microsoft Corporation, Panasonic Corporation, Sony Corporation, Samsung Electronics, Microchip Technology Inc., Cognex Corporation, LMI Technologies, Eyesight Tech,

PMD Technologies AG, Asustek Computer Inc., IFM Electronic, Infineon Technologies AG, Occipital, Inc., Omnivision Technologies, Inc., Qualcomm Inc, Texas Instruments, Pointgrab, Leap Motion, Movea SA and Gesturetek

#### Types Covered:

Position Sensor

Acoustic Sensor

Image Sensor

Accelerometer Sensor

Proximity Sensor

Temperature sensor

Pressure sensor

Other Types

#### Technologies Covered:

Ultrasound

Camera Based Recognition 3D

Time of Flight

Structured Light

Hall Technology

Capacitive Sensing

Electric Field

Infrared Sensing

Interactive Displays

Micro-Electro Mechanical Systems (MEMS)

Stereoscopic vision

Other Technologies

#### Applications Covered:

Healthcare

Aerospace & Defense

Surveillance & Security

Industrial Automation

Automotive

Industrial Robotics

Media & Entertainment

Consumer Electronics

Other Applications

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements



## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Technology Analysis
- 3.7 Application Analysis
- 3.8 Emerging Markets
- 3.9 Futuristic Market Scenario

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL 3D SENSOR MARKET, BY TYPE**

- 5.1 Introduction
- 5.2 Position Sensor
- 5.3 Acoustic Sensor
- 5.4 Image Sensor
  - 5.4.1 3D Electro-Optical Image Sensors
  - 5.4.2 3D Image Sensor Technology Based on Pixel Size
  - 5.4.3 3D Time-Of-Flight Image Sensor
  - 5.4.4 Complementary Metal-Oxide Semiconductor (CMOS) 3D Image Sensors
- 5.5 Accelerometer Sensor
- 5.6 Proximity Sensor
- 5.7 Temperature sensor
- 5.8 Pressure sensor
- 5.9 Other Types

## **6 GLOBAL 3D SENSOR MARKET, BY TECHNOLOGY**

- 6.1 Introduction
- 6.2 Ultrasound
- 6.3 Camera Based Recognition 3D
- 6.4 Time of Flight
- 6.5 Structured Light
- 6.6 Hall Technology
- 6.7 Capacitive Sensing
- 6.8 Electric Field
- 6.9 Infrared Sensing
- 6.10 Interactive Displays
- 6.11 Micro-Electro Mechanical Systems (MEMS)
  - 6.11.1 Gyroscopes
- 6.12 Stereoscopic vision
- 6.13 Other Technologies

## **7 GLOBAL 3D SENSOR MARKET, BY APPLICATION**

- 7.1 Introduction
- 7.2 Healthcare
- 7.3 Aerospace & Defense
- 7.4 Surveillance & Security



- 7.5 Industrial Automation
- 7.6 Automotive
- 7.7 Industrial Robotics
- 7.8 Media & Entertainment
- 7.9 Consumer Electronics
  - 7.9.1 Camera
  - 7.9.2 Gaming Devices
  - 7.9.3 Laptop
  - 7.9.4 Scanner
  - 7.9.5 Smartphone
  - 7.9.6 Tablet PC
  - 7.9.7 Households Appliances
  - 7.9.8 Television
  - 7.9.9 Wearable Electronics
  - 7.9.10 Set Top Box
  - 7.9.11 Other Consumer Electronics
- 7.10 Other Applications

## **8 GLOBAL 3D SENSOR MARKET, BY GEOGRAPHY**

- 8.1 Introduction
- 8.2 North America
  - 8.2.1 US
  - 8.2.2 Canada
  - 8.2.3 Mexico
- 8.3 Europe
  - 8.3.1 Germany
  - 8.3.2 UK
  - 8.3.3 Italy
  - 8.3.4 France
  - 8.3.5 Spain
  - 8.3.6 Rest of Europe
- 8.4 Asia Pacific
  - 8.4.1 Japan
  - 8.4.2 China
  - 8.4.3 India
  - 8.4.4 Australia
  - 8.4.5 New Zealand
  - 8.4.6 South Korea

- 8.4.7 Rest of Asia Pacific
- 8.5 South America
  - 8.5.1 Argentina
  - 8.5.2 Brazil
  - 8.5.3 Chile
  - 8.5.4 Rest of South America
- 8.6 Middle East & Africa
  - 8.6.1 Saudi Arabia
  - 8.6.2 UAE
  - 8.6.3 Qatar
  - 8.6.4 South Africa
  - 8.6.5 Rest of Middle East & Africa

## **9 KEY DEVELOPMENTS**

- 9.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 9.2 Acquisitions & Mergers
- 9.3 New Product Launch
- 9.4 Expansions
- 9.5 Other Key Strategies

## **10 COMPANY PROFILING**

- 10.1 Intel Corporation
- 10.2 Microsoft Corporation
- 10.3 Panasonic Corporation
- 10.4 Sony Corporation
- 10.5 Samsung Electronics
- 10.6 Microchip Technology Inc.
- 10.7 Cognex Corporation
- 10.8 LMI Technologies
- 10.9 Eyesight Tech
- 10.10 PMD Technologies AG
- 10.11 Asustek Computer Inc.
- 10.12 IFM Electronic
- 10.13 Infineon Technologies AG
- 10.14 Occipital, Inc.
- 10.15 Omnivision Technologies, Inc.
- 10.16 Qualcomm Inc

10.17 Texas Instruments.

10.18 Pointgrab

10.19 Leap Motion

10.20 Movea SA

10.21 Gesturetek

## List Of Tables

### LIST OF TABLES

- Table 1 Global 3D Sensor Market Outlook, By Region (2016-2026) (US \$MN)
- Table 2 Global 3D Sensor Market Outlook, By Type (2016-2026) (US \$MN)
- Table 3 Global 3D Sensor Market Outlook, By Position Sensor (2016-2026) (US \$MN)
- Table 4 Global 3D Sensor Market Outlook, By Acoustic Sensor (2016-2026) (US \$MN)
- Table 5 Global 3D Sensor Market Outlook, By Image Sensor (2016-2026) (US \$MN)
- Table 6 Global 3D Sensor Market Outlook, By 3D Electro-Optical Image Sensors (2016-2026) (US \$MN)
- Table 7 Global 3D Sensor Market Outlook, By 3D Image Sensor Technology Based on Pixel Size (2016-2026) (US \$MN)
- Table 8 Global 3D Sensor Market Outlook, By 3D Time-Of-Flight Image Sensor (2016-2026) (US \$MN)
- Table 9 Global 3D Sensor Market Outlook, By Complementary Metal-Oxide Semiconductor (CMOS) 3D Image Sensors (2016-2026) (US \$MN)
- Table 10 Global 3D Sensor Market Outlook, By Accelerometer Sensor (2016-2026) (US \$MN)
- Table 11 Global 3D Sensor Market Outlook, By Proximity Sensor (2016-2026) (US \$MN)
- Table 12 Global 3D Sensor Market Outlook, By Temperature sensor (2016-2026) (US \$MN)
- Table 13 Global 3D Sensor Market Outlook, By Pressure sensor (2016-2026) (US \$MN)
- Table 14 Global 3D Sensor Market Outlook, By Other Types (2016-2026) (US \$MN)
- Table 15 Global 3D Sensor Market Outlook, By Technology (2016-2026) (US \$MN)
- Table 16 Global 3D Sensor Market Outlook, By Ultrasound (2016-2026) (US \$MN)
- Table 17 Global 3D Sensor Market Outlook, By Camera Based Recognition 3D (2016-2026) (US \$MN)
- Table 18 Global 3D Sensor Market Outlook, By Time of Flight (2016-2026) (US \$MN)
- Table 19 Global 3D Sensor Market Outlook, By Structured Light (2016-2026) (US \$MN)
- Table 20 Global 3D Sensor Market Outlook, By Hall Technology (2016-2026) (US \$MN)
- Table 21 Global 3D Sensor Market Outlook, By Capacitive Sensing (2016-2026) (US \$MN)
- Table 22 Global 3D Sensor Market Outlook, By Electric Field (2016-2026) (US \$MN)
- Table 23 Global 3D Sensor Market Outlook, By Infrared Sensing (2016-2026) (US \$MN)
- Table 24 Global 3D Sensor Market Outlook, By Interactive Displays (2016-2026) (US \$MN)
- Table 25 Global 3D Sensor Market Outlook, By Micro-Electro Mechanical Systems

(MEMS) (2016-2026) (US \$MN)

Table 26 Global 3D Sensor Market Outlook, By Gyroscopes (2016-2026) (US \$MN)

Table 27 Global 3D Sensor Market Outlook, By Stereoscopic vision (2016-2026) (US \$MN)

Table 28 Global 3D Sensor Market Outlook, By Other Technologies (2016-2026) (US \$MN)

Table 29 Global 3D Sensor Market Outlook, By Application (2016-2026) (US \$MN)

Table 30 Global 3D Sensor Market Outlook, By Healthcare (2016-2026) (US \$MN)

Table 31 Global 3D Sensor Market Outlook, By Aerospace & Defense (2016-2026) (US \$MN)

Table 32 Global 3D Sensor Market Outlook, By Surveillance & Security (2016-2026) (US \$MN)

Table 33 Global 3D Sensor Market Outlook, By Industrial Automation (2016-2026) (US \$MN)

Table 34 Global 3D Sensor Market Outlook, By Automotive (2016-2026) (US \$MN)

Table 35 Global 3D Sensor Market Outlook, By Industrial Robotics (2016-2026) (US \$MN)

Table 36 Global 3D Sensor Market Outlook, By Media & Entertainment (2016-2026) (US \$MN)

Table 37 Global 3D Sensor Market Outlook, By Consumer Electronics (2016-2026) (US \$MN)

Table 38 Global 3D Sensor Market Outlook, By Camera (2016-2026) (US \$MN)

Table 39 Global 3D Sensor Market Outlook, By Gaming Devices (2016-2026) (US \$MN)

Table 40 Global 3D Sensor Market Outlook, By Laptop (2016-2026) (US \$MN)

Table 41 Global 3D Sensor Market Outlook, By Scanner (2016-2026) (US \$MN)

Table 42 Global 3D Sensor Market Outlook, By Smartphone (2016-2026) (US \$MN)

Table 43 Global 3D Sensor Market Outlook, By Tablet PC (2016-2026) (US \$MN)

Table 44 Global 3D Sensor Market Outlook, By Households Appliances (2016-2026) (US \$MN)

Table 45 Global 3D Sensor Market Outlook, By Television (2016-2026) (US \$MN)

Table 46 Global 3D Sensor Market Outlook, By Wearable Electronics (2016-2026) (US \$MN)

Table 47 Global 3D Sensor Market Outlook, By Set Top Box (2016-2026) (US \$MN)

Table 48 Global 3D Sensor Market Outlook, By Other Consumer Electronics (2016-2026) (US \$MN)

Table 49 Global 3D Sensor Market Outlook, By Other Applications (2016-2026) (US \$MN)

NOTE: Regional tables for North America, Europe, Asia Pacific, South America and Middle East & Africa are presented in similar manner as the above.

## I would like to order

Product name: 3D Sensor - Global Market Outlook (2017-2026)

Product link: <https://marketpublishers.com/r/3D0A03B8ED3EN.html>

Price: US\$ 4,150.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/3D0A03B8ED3EN.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