

# **Asia Pacific 3D Measurement Sensors in Logistics Market Forecast to 2030 - Regional Analysis - by Type (Image Sensors, Position Sensors, Acoustic Sensors, and Others) and Technology (Stereo Vision, Structured Light, Laser Light, and Others)**

<https://marketpublishers.com/r/AD4701602C0CEN.html>

Date: October 2023

Pages: 88

Price: US\$ 3,000.00 (Single User License)

ID: AD4701602C0CEN

## **Abstracts**

The Asia Pacific 3D measurement sensors in logistics Market is expected to grow from US\$ 33.15 million in 2022 to US\$ 74.58 million by 2030. It is estimated to grow at a CAGR of 10.7% from 2022 to 2030.

Growing Automation in Logistics Industry Fuel Asia Pacific 3D Measurement Sensors in Logistics Market

According to Analog Devices, Inc., global parcel shipments are expected to reach 220 billion by 2027, owing to the growing automation in the logistics and retail industry. Automation in logistics helps achieve efficiency and sustainability in the supply chain, along with satisfying consumer demand for faster delivery. It also enhances operational efficiency at the warehouse by providing real-time data through machine vision, asset tracking, data capture scanning, and object dimensioning. Further, it has been observed that the warehouse and distribution centers operate at only 80-85% efficiency. The automation at these centers can help reduce and resolve issues such as missorted products.

Various manufacturers are developing new technology and solutions as the demand for automation increases in the logistics industry. Analog Devices, Inc. offers 3D depth-sensing technology, which enables scanning, dimensioning, and asset tracking for transportation and logistics applications. The 3D ToF is a scannerless LIDAR that uses high-power optical pulses in durations of nanoseconds to capture depth information

from a scene of interest. In addition, various other market players are developing innovative solutions. In May 2023, Vzense Technology Inc. introduced a 3D depth-sensing camera that can be used for inventory tracking. This camera uses infrared light to sense the distance between objects and help track the movement of objects in 3D space. Thus, all the above factors have surged the demand for automation in the logistics industry, which is expected to fuel the growth of the Asia Pacific 3D measurement sensors in logistics market during the forecast period.

### Asia Pacific 3D Measurement Sensors in Logistics Market Overview

China dominated the Asia Pacific 3D measurement sensors in logistics market in 2022 with a share of 33.4%; it would continue to dominate the market during the forecast period and account for 37.3% share by 2030. India is the second-largest contributor to the Asia Pacific 3D measurement sensors in logistics market, followed by Rest of Asia Pacific.

The Asia Pacific 3D measurement sensors in logistics market in APAC is segmented into China, India, Japan, Australia, South Korea, and the Rest of APAC. The e-commerce market is witnessing tremendous growth in APAC. According to the International Air Transport Association (IATA), APAC leads the growth of the e-commerce market globally, with China accounting for a significant percentage of the growth. As per the International Trade Administration, the e-commerce market of China is the largest in the world and generates almost 50% of the world's transactions. Similarly, the e-commerce market in other countries in APAC is also witnessing significant growth. For instance, according to the International Trade Administration, Australia ranks eleventh among the major e-commerce markets in the world and is expected to reach US\$ 32.3 billion by 2024. According to the India Brand Equity Foundation (IBEF), the e-commerce market in India is expected to reach US\$ 188 billion by 2025. Governments of countries in APAC are taking various initiatives to boost the growth of the e-commerce industry. For instance, to promote e-commerce usage and increase the trade of domestic products, the Indonesian government organizes a National Online Shopping Day (Harbolnas) every year. The implementation of Harbolnas has seen a significant increase in transaction volume in 2021, recording transactions totaling US\$ 1.16 billion, an increase of 56% from 2020. Thus, the growth of the e-commerce market propels the logistics industry in the region. This growth in the logistics industry is expected to increase the demand for logistics automation, propelling the growth of the Asia Pacific 3D measurement sensors in logistics market in Asia Pacific.

## Asia Pacific 3D Measurement Sensors in Logistics Market Revenue and Forecast to 2030 (US\$ Million)

### Asia Pacific 3D Measurement Sensors in Logistics Market Segmentation

The Asia Pacific 3D measurement sensors in logistics market is segmented into type, application, and country.

Based on type, the Asia Pacific 3D measurement sensors in logistics market is segmented into image sensors, position sensors, acoustic sensors, and others. The image sensors segment held the largest share of the Asia Pacific 3D measurement sensors in logistics market in 2022.

Based on application, the Asia Pacific 3D measurement sensors in logistics market is segmented into technology, stereo vision, structured light, laser light, and others. The structured light segment held the largest share of the Asia Pacific 3D measurement sensors in logistics market in 2022.

Based on country, the Asia Pacific 3D measurement sensors in logistics market is segmented into China, South Korea, Japan, Australia, India, and the Rest of Asia Pacific. China dominated the Asia Pacific 3D measurement sensors in logistics market in 2022.

Micro-Epsilon Messtechnik GmbH & Co KG, Infineon Technologies AG, Sony Semiconductor Solutions Corp, Cognex Corp, ifm Electronic GmbH, Intel Corp, Keyence Corp, OMRON Corp, and Sick AG are some of the leading companies operating in the Asia Pacific 3D measurement sensors in logistics market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights
- 2.2 Market Attractiveness

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research
- 3.4 Macro-Economic Factor Analysis
- 3.5 Developing Base Number
- 3.6 Data Triangulation
- 3.7 Country Level Data
- 3.8 Calculation Base and Assumptions

### **4. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET LANDSCAPE**

- 4.1 Overview
- 4.2 Ecosystem Analysis
  - 4.2.1 Component Providers:
  - 4.2.2 Manufacturers:
  - 4.2.3 Distributors or Suppliers:
  - 4.2.4 End Users:

### **5. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET - KEY INDUSTRY DYNAMICS**

- 5.1 Drivers
  - 5.1.1 Increasing Use of Measurement Sensors in Logistics
- 5.2 Market Restraints

5.2.1 3D Measurement Sensor Issues

5.3 Market Opportunities

5.3.1 Increasing Deployment of 3D Measurement Sensors in Autonomous Mobile Robots

5.4 Future Trends

5.4.1 Growing Automation in Logistics Industry

5.5 Impact of Drivers and Restraints:

## **6. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET - ASIA PACIFIC MARKET ANALYSIS**

6.1 Asia Pacific 3D measurement sensors in logistics market Revenue (US\$ Million), 2022 - 2030

## **7. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET ANALYSIS - TYPE**

7.1 Image Sensors

7.1.1 Overview

7.1.2 Image Sensors Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)

7.2 Position Sensors

7.2.1 Overview

7.2.2 Position Sensors Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)

7.3 Acoustic Sensors

7.3.1 Overview

7.3.2 Acoustic Sensors Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)

7.4 Others

7.4.1 Overview

7.4.2 Others 3D Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)

## **8. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET ANALYSIS - TECHNOLOGY**

8.1 Stereo Vision

8.1.1 Overview

- 8.1.2 Stereo Vision Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)
- 8.2 Structured Light
  - 8.2.1 Overview
  - 8.2.2 Structured Light Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)
- 8.3 Laser Light
  - 8.3.1 Overview
  - 8.3.2 Laser Light Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)
- 8.4 Others
  - 8.4.1 Overview
  - 8.4.2 Others Measurement Sensor in Logistics Market Revenue and Forecasts To 2030 (US\$ Million)

## **9. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET - COUNTRY ANALYSIS**

- 9.1 Overview
  - 9.1.1 Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts and Analysis - By Countries
    - 9.1.1.1 Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts and Analysis - By Type
    - 9.1.2 Asia Pacific 3D measurement sensors in logistics market Breakdown by Technology
      - 9.1.2.1 Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts and Analysis - By Technology
    - 9.1.3 Asia Pacific 3D measurement sensors in logistics market Breakdown by Countries
      - 9.1.3.1 Australia Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts To 2030 (US\$ Million)
        - 9.1.3.1.1 Australia Asia Pacific 3D measurement sensors in logistics market Breakdown by Type
        - 9.1.3.1.2 Australia Asia Pacific 3D measurement sensors in logistics market Breakdown by Technology
      - 9.1.3.2 China Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts To 2030 (US\$ Million)
        - 9.1.3.2.1 China Asia Pacific 3D measurement sensors in logistics market Breakdown by Type

#### 9.1.3.2.2 China Asia Pacific 3D measurement sensors in logistics market

##### Breakdown by Technology

#### 9.1.3.3 India Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts To 2030 (US\$ Million)

##### 9.1.3.3.1 India Asia Pacific 3D measurement sensors in logistics market Breakdown by Type

##### 9.1.3.3.2 India Asia Pacific 3D measurement sensors in logistics market Breakdown by Technology

#### 9.1.3.4 Japan Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts To 2030 (US\$ Million)

##### 9.1.3.4.1 Japan Asia Pacific 3D measurement sensors in logistics market Breakdown by Type

##### 9.1.3.4.2 Japan Asia Pacific 3D measurement sensors in logistics market Breakdown by Technology

#### 9.1.3.5 South Korea Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts To 2030 (US\$ Million)

##### 9.1.3.5.1 South Korea Asia Pacific 3D measurement sensors in logistics market Breakdown by Type

##### 9.1.3.5.2 South Korea Asia Pacific 3D measurement sensors in logistics market Breakdown by Technology

#### 9.1.3.6 Rest of Asia Pacific 3D measurement sensors in logistics market Revenue and Forecasts To 2030 (US\$ Million)

##### 9.1.3.6.1 Rest of Asia Pacific 3D measurement sensors in logistics market Breakdown by Type

##### 9.1.3.6.2 Rest of Asia Pacific 3D measurement sensors in logistics market Breakdown by Technology

## **10. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET - IMPACT OF COVID-19 PANDEMIC**

### 10.1 Pre & Post Covid-19 Impact

## **11. COMPETITIVE LANDSCAPE**

### 11.1 Heat Map Analysis By Key Players

### 11.2 Company Positioning & Concentration

## **12. ASIA PACIFIC 3D MEASUREMENT SENSORS IN LOGISTICS MARKET INDUSTRY LANDSCAPE**



- 12.1 Overview
- 12.2 Market Initiative
- 12.3 Product Development

## **13. COMPANY PROFILES**

### 13.1 Micro-Epsilon Messtechnik GmbH & Co KG

- 13.1.1 Key Facts
- 13.1.2 Business Description
- 13.1.3 Products and Services
- 13.1.4 Financial Overview
- 13.1.5 SWOT Analysis
- 13.1.6 Key Developments

### 13.2 Infineon Technologies AG

- 13.2.1 Key Facts
- 13.2.2 Business Description
- 13.2.3 Products and Services
- 13.2.4 Financial Overview
- 13.2.5 SWOT Analysis
- 13.2.6 Key Developments

### 13.3 Sony Semiconductor Solutions Corp

- 13.3.1 Key Facts
- 13.3.2 Business Description
- 13.3.3 Products and Services
- 13.3.4 Financial Overview
- 13.3.5 SWOT Analysis
- 13.3.6 Key Developments

### 13.4 Cognex Corp

- 13.4.1 Key Facts
- 13.4.2 Business Description
- 13.4.3 Products and Services
- 13.4.4 Financial Overview
- 13.4.5 SWOT Analysis
- 13.4.6 Key Developments

### 13.5 ifm Electronic GmbH

- 13.5.1 Key Facts
- 13.5.2 Business Description
- 13.5.3 Products and Services



- 13.5.4 Financial Overview
- 13.5.5 SWOT Analysis
- 13.5.6 Key Developments
- 13.6 Intel Corp
  - 13.6.1 Key Facts
  - 13.6.2 Business Description
  - 13.6.3 Products and Services
  - 13.6.4 Financial Overview
  - 13.6.5 SWOT Analysis
  - 13.6.6 Key Developments
- 13.7 Keyence Corp
  - 13.7.1 Key Facts
  - 13.7.2 Business Description
  - 13.7.3 Products and Services
  - 13.7.4 Financial Overview
  - 13.7.5 SWOT Analysis
  - 13.7.6 Key Developments
- 13.8 OMRON Corp
  - 13.8.1 Key Facts
  - 13.8.2 Business Description
  - 13.8.3 Products and Services
  - 13.8.4 Financial Overview
  - 13.8.5 SWOT Analysis
  - 13.8.6 Key Developments
- 13.9 Sick AG
  - 13.9.1 Key Facts
  - 13.9.2 Business Description
  - 13.9.3 Products and Services
  - 13.9.4 SWOT Analysis
  - 13.9.5 Key Developments

## **14. APPENDIX**

- 14.1 Word Index

## I would like to order

Product name: Asia Pacific 3D Measurement Sensors in Logistics Market Forecast to 2030 - Regional Analysis - by Type (Image Sensors, Position Sensors, Acoustic Sensors, and Others) and Technology (Stereo Vision, Structured Light, Laser Light, and Others)

Product link: <https://marketpublishers.com/r/AD4701602C0CEN.html>

Price: US\$ 3,000.00 (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/AD4701602C0CEN.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