

# **South & Central America 3D Measurement Sensors in Logistics Market Forecast to 2028 - Regional Analysis - by Type (Image Sensors, Position Sensos, Acoustic Sensors, Others) and Technology (Stereo Vision, Structured Light, Laser Light, Others)**

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## **Abstracts**

The South & Central America 3D measurement sensors in logistics market is expected to grow from US\$ 4.34 million in 2022 to US\$ 5.29 million by 2030. It is estimated to grow at a CAGR of 2.5% from 2022 to 2030.

### **Growing Automation in Logistics Industry Fuel South & Central America 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 scanner less 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, Vsenz 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 South & Central America 3D Measurement Sensors in Logistics Market during the forecast period.

### South & Central America 3D Measurement Sensors in Logistics Market Overview

The 3D Measurement Sensors in Logistics Market in South & Central America is segmented into the US, Canada, and Mexico. South & Central America is a technologically advanced region owing to factors such as a high inclination toward technical innovation, developed infrastructure, and favorable economic policies. All these factors are fueling the growth of automation in every industry, including logistics, in the region. Various logistics companies in the region are working on automating their warehouses to increase productivity. For instance, in September 2021, Bergen Logistics, a global third-party logistics (3PL) company, announced that it had automated one of its New Jersey warehouses to increase productivity, ensure same-day delivery, and remain competitive in a tight labor market. For this, the company selected CAJA Robotics to provide software, robots, and workstations to optimize order fulfillment processes and warehouse operations. Thus, growing automation and increasing use of robots in warehouse operations are raising the demand for 3D measurement sensors, as these sensors help calculate the length, width, and depth of an object, which further helps the robots in handling, picking, and sorting objects.

Increased e-commerce activity in the region is one of the major factors boosting automation in the logistics industry. As per the Digital Commerce 360 analysis of U.S. Department of Commerce figures, the US e-commerce sales reached US\$ 1.03 trillion in 2022, which increased by 7.7% from US\$ 960.44 billion in 2021. According to the International Trade Administration (ITA), in 2022, approximately 75% of the Canadian population (~27 million people) was using e-commerce, which is expected to reach 77.6% by 2025. In March 2022, e-commerce sales in Canada were ~US\$ 2.34 billion and are estimated to reach US\$ 40.3 billion by 2025. Such growth in e-commerce is driving the logistics industry in South & Central America, further raising the need for automation in the logistics industry. Hence, this growing need for automation will fuel the growth of the South & Central America 3D Measurement Sensors in Logistics Market during the forecast period.

## South & Central America 3D Measurement Sensors in Logistics Market Revenue and Forecast to 2030 (US\$ Million)

### South & Central America 3D Measurement Sensors in Logistics Market Segmentation

The South & Central America 3D measurement sensors in logistics market is segmented into type, application, and country.

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

Based on application, the South & Central America 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 South & Central America 3D measurement sensors in logistics market in 2022.

Based on country, the South & Central America 3D measurement sensors in logistics market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America 3D measurement sensors in logistics market in 2022.

Micro-Epsilon Messtechnik GmbH & Co KG, Infineon Technologies AG, Cognex Corp, ifm Electronic GmbH, Intel Corp, Keyence Corp, OMRON Corp, and Sick AG are some of the leading companies operating in the South & Central America 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. SOUTH & CENTRAL AMERICA 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. SOUTH & CENTRAL AMERICA 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. 3D MEASUREMENT SENSORS IN LOGISTICS MARKET -SOUTH & CENTRAL AMERICA MARKET ANALYSIS**

6.1 South & Central America 3D Measurement Sensors in Logistics Market Revenue (US\$ Million), 2022 - 2030

## **7. SOUTH & CENTRAL AMERICA 3D MEASUREMENT SENSORS IN LOGISTICS MARKET ANALYSIS - TYPE**

- 7.1 Image Sensors
  - 7.1.1 Overview
  - 7.1.2 Image Sensors Market Revenue and Forecasts To 2030 (US\$ Million)
- 7.2 Position Sensors
  - 7.2.1 Overview
  - 7.2.2 Position Sensors Market Revenue and Forecasts To 2030 (US\$ Million)
- 7.3 Acoustic Sensors
  - 7.3.1 Overview
  - 7.3.2 Acoustic Sensors Market Revenue and Forecasts To 2030 (US\$ Million)
- 7.4 Others
  - 7.4.1 Overview
  - 7.4.2 Others Market Revenue and Forecasts To 2030 (US\$ Million)

## **8. SOUTH & CENTRAL AMERICA 3D MEASUREMENT SENSORS IN LOGISTICS MARKET ANALYSIS - TECHNOLOGY**

- 8.1 Stereo Vision
  - 8.1.1 Overview
  - 8.1.2 Stereo Vision Market Revenue and Forecasts To 2030 (US\$ Million)
- 8.2 Structured Light
  - 8.2.1 Overview
  - 8.2.2 Structured Light Market Revenue and Forecasts To 2030 (US\$ Million)

## 8.3 Laser Light

### 8.3.1 Overview

### 8.3.2 Laser Light Market Revenue and Forecasts To 2030 (US\$ Million)

## 8.4 Others

### 8.4.1 Overview

### 8.4.2 Others Market Revenue and Forecasts To 2030 (US\$ Million)

## **9. SOUTH & CENTRAL AMERICA 3D MEASUREMENT SENSORS IN LOGISTICS MARKET - COUNTRY ANALYSIS**

### 9.1 Overview

#### 9.1.1 South & Central America 3D Measurement Sensors in Logistics Market Revenue and Forecasts to 2030 (US\$ Million)

#### 9.1.2 South & Central America 3D Measurement Sensors in Logistics Market Revenue and Forecasts and Analysis - By Countries

##### 9.1.2.1 Brazil 3D Measurement Sensors in Logistics Market Revenue and Forecasts to 2030 (US\$ Million)

###### 9.1.2.1.1 Brazil 3D Measurement Sensors in Logistics Market Breakdown by Type

###### 9.1.2.1.2 Brazil 3D Measurement Sensors in Logistics Market Breakdown by Technology

##### 9.1.2.2 Argentina 3D Measurement Sensors in Logistics Market Revenue and Forecasts to 2030 (US\$ Million)

###### 9.1.2.2.1 Argentina 3D Measurement Sensors in Logistics Market Breakdown by Type

###### 9.1.2.2.2 Argentina 3D Measurement Sensors in Logistics Market Breakdown by Technology

##### 9.1.2.3 Rest of South & Central America 3D Measurement Sensors in Logistics Market Revenue and Forecasts to 2030 (US\$ Million)

###### 9.1.2.3.1 Rest of South & Central America 3D Measurement Sensors in Logistics Market Breakdown by Type

###### 9.1.2.3.2 Rest of South & Central America 3D Measurement Sensors in Logistics Market Breakdown by Technology

## **10. SOUTH & CENTRAL AMERICA 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. SOUTH & CENTRAL AMERICA 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 Cognex 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 ifm Electronic GmbH

- 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 Intel Corp
  - 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 Keyence 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 OMRON 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 Sick AG
  - 13.8.1 Key Facts
  - 13.8.2 Business Description
  - 13.8.3 Products and Services
  - 13.8.4 SWOT Analysis
  - 13.8.5 Key Developments

## **14. APPENDIX**

- 14.1 Word Index



## I would like to order

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