

Middle East & Africa 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)

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Abstracts

The Middle East & Africa 3D measurement sensors in logistics market is expected to grow from US\$ 6.55 million in 2022 to US\$ 9.93 million by 2030. It is estimated to grow at a CAGR of 5.3% from 2022 to 2030.

Increasing Deployment of 3D Measurement Sensors in Autonomous Mobile Robot's Fuel Middle East & Africa 3D Measurement Sensors in Logistics Market

Mobile robots are integrated with 3D sensors, lighting units, and depth processing units to calculate depth. The technology makes it easy to evaluate distance in a full scene. The rising need for real-time depth and visual information has surged the adoption of 3D measurement sensors in the logistics industry. Further, 3D sensing cameras can offer depth-sensing intelligence to automated guided vehicles and autonomous mobile robots in warehouse operations. The 3D sensing camera helps perceive the surroundings and capture depth imaging data, which further helps to accelerate business-critical functions with more accuracy, convenience, and speed. The camera provides various functions such as localization, mapping, navigation, obstacle avoidance, object detection, and odometry. Thus, due to all the above factors, the demand for 3D measurement sensors is increasing in the logistics industry. Further, various market players are offering 3D measurement sensors due to their rising deployment in robotics, particularly for palletization and depalletization, as they help in dimension measurement. LMI Technologies INC. offers Gocator 2490 sensors, particularly for packing and logistics operations. The Gocator 2490 sensor can be mounted on the robotic arm to scan the

loaded pallet. It also provides precise positional coordinates to lift the box and place it on the outbound conveyor accurately. Thus, the rising need for 3D measurement sensors in autonomous mobile robots for accurate logistic operation is expected to fuel the growth of the Middle East & Africa 3D measurement sensors in logistics market during the forecast period.

Middle East & Africa 3D Measurement Sensors in Logistics Market Overview

The 3D measurement sensors in logistics market in the Middle East & Africa is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The noteworthy increase in online shopping in the region is fueling the growth of the logistics industry in the region. According to the International Trade Administration, by 2024, the number of Saudi internet users for e-commerce is expected to reach 33.6 million, an increase of 42% from 2019. Similarly, the e-commerce market in the UAE jumped by 53% in 2020, with a record of US\$ 3.9 billion in e-commerce sales. Other countries in the MEA, such as Bahrain, Kuwait, and Qatar, are adopting the e-retail mode of distribution, further propelling the growth of logistics in the region. In addition, the growth in e-commerce is raising the need for warehouses in the region. In April 2022, Jebel Ali Free Zone, one of the biggest trading hubs in Dubai, announced that it had started the construction of its Jafza Logistics Park as the demand for warehousing units is increasing in the region due to the growing e-commerce. This new Jafza Logistics Park is expected to be completed by the end of 2023. The construction of this park will help accommodate the growing number of warehousing, processing, and logistics activities in Dubai. Similarly, in February 2023, Saudi Authority for Industrial Cities and Technology Zones (Modon) announced that it signed a partnership agreement to develop 14 Modon warehouses in Jeddah. These new facilities will feature smart automated systems to deliver rapid and temporary logistical solutions. Thus, growing e-commerce industry and increasing construction of automated warehouses are expected to raise the need for automated warehouse solutions such as robots and 3D cameras, propelling the growth of the 3D measurement sensors in logistics market in the Middle East & Africa.

Middle East & Africa 3D Measurement Sensors in Logistics Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa 3D Measurement Sensors in Logistics Market Segmentation

The Middle East & Africa 3D measurement sensors in logistics market is segmented into type, application, and country.

Based on type, the Middle East & Africa 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 Middle East & Africa 3D measurement sensors in logistics market in 2022.

Based on application, the Middle East & Africa 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 Middle East & Africa 3D measurement sensors in logistics market in 2022.

Based on country, the Middle East & Africa 3D measurement sensors in logistics market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The UAE dominated the Middle East & Africa 3D measurement sensors in logistics market in 2022.

Micro-Epsilon Messtechnik GmbH & Co KG, Infineon Technologies AG, Cognex Corp, ifm Electronic GmbH, Intel Corp, OMRON Corp, and Sick AG are some of the leading companies operating in the Middle East & Africa 3D measurement sensors in logistics market.

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