

# Global 3D Cameras for Robots Market Growth 2026-2032

<https://marketpublishers.com/r/GA0032225CCAEN.html>

Date: April 2026

Pages: 107

Price: US\$ 3,660.00 (Single User License)

ID: GA0032225CCAEN

## Abstracts

The global 3D Cameras for Robots market size is predicted to grow from US\$ 1597 million in 2025 to US\$ 5339 million in 2032; it is expected to grow at a CAGR of 19.2% from 2026 to 2032.

3D Cameras for Robots are specialized vision sensors equipped with 3D imaging capabilities, allowing robots and automated systems to perceive the three-dimensional world around them. These cameras use depth-sensing technology to create detailed 3D maps of their surroundings, enabling robots to navigate, manipulate objects, and interact with their environment more effectively.

As an important force driving a new round of scientific and technological revolution, artificial intelligence has been of national strategic importance. Many governments introduce policies and increase capital investment to support AI companies. The Digital Europe plan adopted by the European Union will allocate €9.2 billion on high-tech investments, such as supercomputing, artificial intelligence, and network security. In order to maintain its leading position, the United States will increase its investment in artificial intelligence research and development in non-defense fields, from US\$1.6 billion to US\$1.7 billion in 2022. According to the latest data released by IDC, global artificial intelligence revenue was US\$432.8 billion in 2022, a year-on-year increase of 19.6%, including software, hardware and services.

LP Information, Inc. (LPI) ' newest research report, the "3D Cameras for Robots Industry Forecast" looks at past sales and reviews total world 3D Cameras for Robots sales in 2025, providing a comprehensive analysis by region and market sector of projected 3D Cameras for Robots sales for 2026 through 2032. With 3D Cameras for Robots sales broken down by region, market sector and sub-sector, this report provides

a detailed analysis in US\$ millions of the world 3D Cameras for Robots industry.

This Insight Report provides a comprehensive analysis of the global 3D Cameras for Robots landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on 3D Cameras for Robots portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global 3D Cameras for Robots market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for 3D Cameras for Robots and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global 3D Cameras for Robots.

This report presents a comprehensive overview, market shares, and growth opportunities of 3D Cameras for Robots market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Stereo Vision

Time of Flight

Others

### **Segmentation by Application:**

Articulated Robots

Autonomous Mobile Robots

Humanoid Robots

Others

**This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Intel

Basler AG

TKH Group

Cognex

Sick

e-con Systems

Stereolabs

Keyence

Nikon

Faro Technologies

Omron

National Instruments

Teledyne

Baumer Holding AG

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global 3D Cameras for Robots market?

What factors are driving 3D Cameras for Robots market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do 3D Cameras for Robots market opportunities vary by end market size?

How does 3D Cameras for Robots break out by Type, by Application?

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