

Global Deep Learning in Machine Vision Market Size study, By Offering (Hardware, Software and Services), By Application (Inspection, Image Analysis, Anomaly Detection, Object Classification, Object Tracking, Counting, Bar Code Detection, Feature Detection, Location Detection, Optical Character Recognition, Face Recognition, Instance Segmentation, and Others), by Object (Image and Video), by Vertical (Electronics, Manufacturing, Automotive and Transportation, Food & Beverages, Aerospace, Healthcare, Building and Material, Power, and Others) and Regional Forecasts 2022-2028

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Abstracts

Global Deep Learning in Machine Vision Market is valued approximately USD XX Billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2028.

Deep learning combined with machine learning Vision systems are computers that can see and interpret the world around them in the same manner that humans can; this can comprehend digital images and videos. This is made possible by advances in visual system technology, artificial intelligence, and processing capacity. Partnerships, joint ventures, and other tactics raise the company's market share by expanding its reach and presence. For instance, Pattern Projection Lighting CV-X Series, a new product in the vision system announced by KEYENCE CORPORATION in March 2020, is capable

of 2D inspection vision system, height extraction, and 3D inspection, among other things. The vision controller is the source of power. It was a one-of-a-kind gadget that could check and evaluate defects and could be widely employed in the automobile industry. As of its consistency in discovering faults, it is a valuable asset to the firm. Similarly, In April 2020, Cadence Design Systems, Inc. has released two new DSPs, the Vision Q8 and Vision P1. This was done to meet rising demand in industries like automotive, mobile, and consumer goods. The devices boost performance by four times because they were designed for high-end mobile and multi-camera automotive applications. The corporation did this to increase its product variety and provide consumers with reliable products. Along with this, increase in adoption of AI and deep learning is creating lucrative growth opportunity for the market over the forecasted period. Furthermore, rising adoption of 3D inspection system, the preference for advanced inspection systems over traditional inspection systems is growing, promoting market growth. However, lack of security is restraining the market growth for the Global Deep Learning Machine Vision Market.

The key regions considered for the global Deep Learning in Machine Vision Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. As due to the huge number of firms present and the many products offered for deep learning in machine vision by companies, North America is the most dominant region in the deep learning in machine vision market, and the area is predicted to develop. Whereas, Europe is anticipated to exhibit the highest CAGR over the forecast period 2022-2028. Due to the presence of AI and deep learning in the region, there is a substantial use of deep learning in machine vision goods after the United States.

Major market players included in this report are:

Cognex Corporation

Intel Corporation

NATIONAL INSTRUMENTS CORP.

SICK AG

STEMMER IMAGING AG

Abto Software

Adaptive Vision Sp. z o.o. (subsidiary of Zebra Technologies Corporation)

Autonics Corporation

Basler AG

Cyth Systems, Inc.

EURESYS S.A.

The objective of the study is to define market sizes of different segments & countries in

recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Offering

Hardware

Software

Services

By Application

Inspection

Image Analysis

Anomaly Detection Object Classification

Object Tracking

Counting

Bar Code Detection

Feature Detection

Location Detection

Optical Character Recognition

Face Recognition

Instance Segmentation

Others

By Object

Image

Video

By Vertical

Electronics

Manufacturing

Automotive and Transportation

Food & Beverages

Aerospace

Healthcare

Building and Material

Power

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Deep Learning in Machine Vision Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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