

Global AI-Based Vision Analytics Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GBC6BB96A07CEN.html>

Date: July 2026

Pages: 126

Price: US\$ 3,480.00 (Single User License)

ID: GBC6BB96A07CEN

Abstracts

According to our (Global Info Research) latest study, the global AI-Based Vision Analytics Software market size was valued at US\$ 11545 million in 2025 and is forecast to a readjusted size of US\$ 29260 million by 2032 with a CAGR of 14.2% during review period.

AI-Based Vision Analytics Software refers to intelligent software systems that use artificial intelligence (especially deep learning and computer vision algorithms) to automatically analyze images and video data for detection, recognition, measurement, inspection, and decision-making in real time or offline. Pricing typically ranges from \$500?5,000 per camera/year, with larger industrial systems reaching \$100K?1M+ per factory depending on scale and integration.

This report is a detailed and comprehensive analysis for global AI-Based Vision Analytics Software market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global AI-Based Vision Analytics Software market size and forecasts, in consumption value (\$ Million), 2021-2032

Global AI-Based Vision Analytics Software market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global AI-Based Vision Analytics Software market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global AI-Based Vision Analytics Software market shares of main players, in revenue (\$ Million), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for AI-Based Vision Analytics Software

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global AI-Based Vision Analytics Software market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Cognex, Keyence, SICK AG, Omron Corporation, Basler AG, Teledyne Technologies, National Instruments, MVTec Software GmbH, ABB, Siemens, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

AI-Based Vision Analytics Software market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Vision Analytics Software Platforms

AI Inspection & Detection Software

Edge AI Vision Software

Cloud Vision Analytics Platforms

Vision SDKs & Development Tools

Market segment by Technology

Deep Learning?based Vision Systems

Computer Vision Algorithms

3D Vision & Point Cloud Analytics

Edge AI / Embedded AI Inference

Market segment by Deployment Mode

On-Premise Systems

Cloud-Based Platforms

Edge Deployment Systems

Hybrid Cloud-Edge Architectures

Market segment by Application

Automotive Manufacturing

Electronics & Semiconductor

Industrial Manufacturing

Logistics & Warehousing

Healthcare & Medical Imaging

Security & Surveillance

Market segment by players, this report covers

Cognex

Keyence

SICK AG

Omron Corporation

Basler AG

Teledyne Technologies

National Instruments

MVTec Software GmbH

ABB

Siemens

Rockwell Automation

Schneider Electric

Zebra Technologies

Hexagon AB

Hikvision

Dahua Technology

Daheng Image

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe AI-Based Vision Analytics Software product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of AI-Based Vision Analytics Software, with revenue, gross margin, and global market share of AI-Based Vision Analytics Software from 2021 to 2026.

Chapter 3, the AI-Based Vision Analytics Software competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and AI-Based Vision Analytics Software market forecast, by regions, by

Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of AI-Based Vision Analytics Software.

Chapter 13, to describe AI-Based Vision Analytics Software research findings and conclusion.

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