

AI in Computer Vision Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Component (Software and Hardware) and End Use Industry (Security and Surveillance, Manufacturing, Automotive, Retail, Sports and Entertainment, and Others)

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Abstracts

The AI in Computer Vision Market size was valued at US\$ 13.75 billion in 2022 and is expected to reach US\$ 135.44 billion by 2030. The AI in computer vision market is estimated to record a CAGR of 33.1% from 2022 to 2030.

The Europe AI in Computer Vision Market is segmented into the Germany, UK, France, Italy, Russia, and rest of Europe. Germany is estimated to hold the largest AI in Computer Vision Market share during the forecast period. Several companies in Germany are launching new autonomous driving technologies. For instance, in February 2023, Deutsche Bahn (DB) announced that its first project to function autonomous on-demand vehicles in traffic was launched in the Rhine-Main region of the country. Initially, one autonomous vehicle was deployed in Darmstadt, followed by 14 more vehicles. Eight of these are operating in the Offenbach district, while seven are driving in Darmstadt. Similarly, in November 2023, BMW announced that Level 3 automated driving will be available in the new BMW 7 Series from next spring for customers in Germany. Also, in September 2022, Mobileye announced the launch of a robotaxi service in Germany in 2022. The taxi service was operated in partnership with German rental car company Sixt and Moovit, which Intel acquired for US\$ 900 million. The computer vision technology is used in autonomous vehicles to detect objects. Therefore, AI in computer vision market is growing significantly in Germany.

The Asia Pacific AI in Computer Vision Market is segmented into the China, Japan, South Korea, India, Australia, and rest of APAC. China is estimated to hold the largest AI in computer vision market share during the forecast period. China, being the manufacturing hub of the world, is engaged in imports and exports of huge amounts of commodities globally. This has created the demand for efficient and advanced technologies in manufacturing units across the country. Additionally, the investment in advanced technologies by both private and public organizations is leading to the growth in the adoption of AI-based computer vision solutions. For instance, Beijing, as the political and economic center of China, plays a central role in AI technology innovation, incorporation, and implementation in China. Beijing has adopted several policies to accelerate the growth of the AI industry since 2016 in terms of top-level architecture, including steps to encourage innovation and creation of the intelligent robot industry in Zhongguancun and guiding opinions on accelerating the development of the AI industry, aligning it with the planning priorities of the country and placing it ahead of other cities. The factors mentioned above are expected to influence the AI in computer vision market growth.

Advanced Micro Devices Inc., Cognex Corp., General Electric Co., Intel Corp., Microsoft Corp., Qualcomm Inc., Teledyne Technologies Inc., NVIDIA Corp., BASLER AG, and International Business Machines Corp. are among the key AI in computer vision market players that are profiled in this market study.

The overall AI in computer vision market size has been derived using both primary and secondary sources. Exhaustive secondary research has been conducted using internal and external sources to obtain qualitative and quantitative information related to the AI in Computer Vision Market size. The process also helps obtain an overview and forecast of the market with respect to all the market segments. Also, multiple primary interviews have been conducted with industry participants to validate the data and gain analytical insights. This process includes industry experts such as VPs, business development managers, market intelligence managers, and national sales managers, along with external consultants such as valuation experts, research analysts, and key opinion leaders, specializing in the AI in computer vision market.

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