

# **Global Computer Vision in Healthcare Market Size study, By Type (Software, Hardware, Networks), By Application (Medical Imaging & Diagnostics, Surgeries, Detection, Others), By End Users (Healthcare providers, Diagnostic centres, Academic research institutes, Others) and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/GCD7921F5284EN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GCD7921F5284EN

## **Abstracts**

Global Computer Vision in Healthcare Market is valued approximately USD 3.1 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 24.0% over the forecast period 2024-2032. Computer vision in healthcare is an application of technology that enables computers to interpret and analyze visual information from the real world, particularly medical images and videos. It involves the development and deployment of algorithms and systems that can automatically extract meaningful insights from medical images such as X-rays, MRIs, CT scans, ultrasound images, and pathology slides. Furthermore, the rising development of machine learning models is gaining attention towards Global Computer Vision in Healthcare Market. Machine learning models can analyze medical images at a granular level, allowing for the identification of subtle variations and patterns that would be indicative of individual patient characteristics or treatment responses. This enables the development of personalized treatment plans tailored to each patient's specific needs, ultimately improving treatment efficacy and patient satisfaction.

The Global Computer Vision in Healthcare Market is driven by rising demand of precision medicine and rising integration of big data in healthcare practices across the world. Precision medicine emphasizes early disease detection and prevention by leveraging biomarkers and predictive models to identify individuals at high risk of

developing certain conditions. Computer vision algorithms can analyze medical images to detect subtle signs of disease at an early stage, enabling healthcare providers to intervene proactively and implement preventive measures to mitigate disease progression. In addition, big data analytics enables population health management initiatives by identifying high-risk patient populations, predicting disease outbreaks, and optimizing resource allocation. Computer vision technologies can enhance these efforts by analyzing population-level trends and patterns from medical images, facilitating early disease detection and intervention strategies. However, high cost of computer vision in healthcare and security concerns are going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Computer Vision in Healthcare market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America was the largest regional market in terms of revenue owing to factors such as supportive government initiatives towards integration of AI-based technologies in healthcare across the region. The U.S. Food and Drug Administration (FDA) has launched initiatives such as the Artificial Intelligence/Machine Learning (AI/ML) Action Plan to advance the development and regulation of AI-based medical devices. This plan includes strategies to streamline the regulatory process for AI-based technologies while ensuring patient safety and effectiveness. Furthermore, the market in Asia Pacific, on the other hand, is expected to develop at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Microsoft Corporation  
International Business Machines Corporation  
Intel Corporation  
NVIDIA Corporation  
AiCure LLC  
iCAD Inc  
Arterys Inc  
Google LLC  
Basler AG  
Xilinx Inc

The detailed segments and sub-segment of the market are explained below:

By Type  
Software

Hardware  
Networks

By Application  
Medical Imaging & Diagnostics  
Surgeries  
Detection  
Others

By End Users  
Healthcare providers  
Diagnostic centres  
Academic research institutes  
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  
Middle East & Africa  
Saudi Arabia  
South Africa

## RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

### Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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