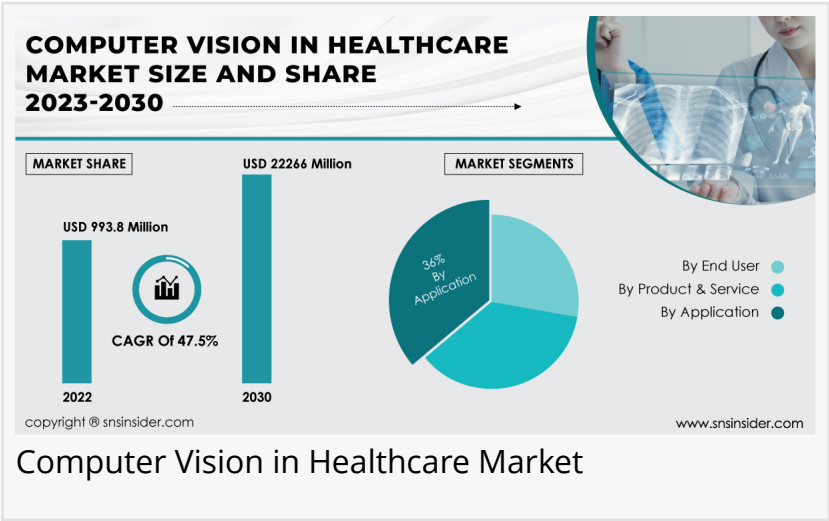


Computer Vision in Healthcare Market Analysis, Trends, Size, Share, and Growth Outlook Forecast 2030

Computer Vision in Healthcare Market to Surpass USD 22,266 Million by 2030 owing to Prevalence of Chronic Diseases and Demand for Advanced Diagnostics

AUSTIN, TEXAS, UNITED STATES, January 15, 2024 /EINPresswire.com/ -- The [Computer Vision in Healthcare Market](#), as indicated by the SNS Insider report, achieved a valuation of USD 993.8 million in 2022. Projections suggest that it is poised to escalate to USD 22,266 million by 2030, exhibiting a robust Compound Annual Growth Rate (CAGR) of 47.5% during the forecast period spanning from 2023 to 2030.



According to SNS Insider’s research, the growing prevalence of chronic diseases necessitates advanced technologies for early detection and effective management, boosting the growth of the computer vision in healthcare market.

Computer vision in healthcare market

Computer vision in healthcare refers to the application of advanced technologies that enable machines to interpret and analyze visual information from the world of healthcare. This revolutionary field utilizes artificial intelligence and image processing techniques to enhance medical diagnostics, treatment planning, and overall patient care. The main objective is to provide healthcare professionals with accurate and timely insights, ultimately improving patient outcomes. Computer vision in healthcare encompasses a wide range of applications, including medical imaging, diagnostics, surgery assistance, and personalized medicine.

Computer vision in healthcare market growth factors

The growth of computer vision in the healthcare market is driven by several factors, reflecting its

potential to transform the industry. Increased demand for advanced diagnostic tools, rising investments in healthcare technology, and the growing prevalence of chronic diseases are among the key drivers propelling the market forward. Additionally, the integration of artificial intelligence and machine learning algorithms into computer vision systems enhances their capabilities, contributing to improved accuracy and reliability in medical applications. The increasing need for accurate and timely diagnostic solutions is a major driver, pushing healthcare providers to adopt computer vision technologies for better patient outcomes. Ongoing investments and collaborations between technology companies and healthcare organizations fuel the development and implementation of computer vision solutions in the healthcare sector.

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By Product & Service

- Hardware
- Software
- Services

By Application

- Medical imaging and diagnostics
- Surgeries
- Other applications

By End user

- Healthcare providers
- Diagnostic centers

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- Arterys
- iCAD Inc.
- Basler AG
- AiCure
- Google
- IBM
- Intel Corporation
- Microsoft
- NVIDIA Corporation
- Xilinx Inc

Computer Vision in Healthcare Market

The impact of an ongoing recession on the computer vision in healthcare market is nuanced, with both positive and negative implications. On the positive side, the need for cost-effective and efficient healthcare solutions becomes more pronounced during economic downturns. As healthcare organizations seek ways to optimize resources and streamline operations, the adoption of computer vision technologies may increase, driven by their potential to enhance productivity, reduce manual errors, and improve overall efficiency. On the negative side, budget constraints and reduced funding in the healthcare sector during a recession could lead to slower adoption of expensive technologies, including computer vision solutions.

Computer Vision in Healthcare Market- Russia-Ukraine War

The Russia-Ukraine War can have far-reaching consequences on the global economy, potentially affecting various industries, including healthcare and technology. In the context of computer vision in healthcare, the impact may be predominantly negative. Geopolitical tensions, economic uncertainties, and disruptions in the supply chain could hinder the development, production, and distribution of computer vision technologies. Geopolitical tensions may disrupt the global supply chain, affecting the availability of critical components for computer vision systems.

For more information, visit <https://www.snsinsider.com/enquiry/2087>:

<https://www.snsinsider.com/enquiry/2087>

Computer Vision in Healthcare Market- North America

The North American region leads in the adoption of computer vision in healthcare, driven by robust healthcare infrastructure, technological advancements, and a high level of awareness among healthcare professionals. The United States, in particular, witnesses significant investments in research and development, fostering innovation in the field. Europe follows closely, with a growing emphasis on healthcare digitization and advancements in medical imaging technologies. The European market benefits from collaborations between healthcare institutions and technology providers, promoting the integration of computer vision solutions. The Asia-Pacific region exhibits immense growth potential, fueled by the increasing prevalence of chronic diseases, rising healthcare expenditures, and a burgeoning population. Countries like China and India are at the forefront of adopting computer vision technologies to address healthcare challenges.

Computer Vision in Healthcare Market- Key Segments

- Within the market, the medical imaging and diagnostics segment stands out as a dominant force. The integration of computer vision technologies into medical imaging processes significantly improves the accuracy and efficiency of diagnostic procedures.

- Among the various segments within the computer vision in healthcare market, the healthcare providers segment emerges as a dominant player. Hospitals, clinics, and other healthcare institutions are increasingly recognizing the value of computer vision technologies in improving patient care, optimizing operational workflows, and enhancing overall efficiency.

Computer vision in healthcare market is a rapidly growing sector, driven by the increasing demand for accurate and efficient medical diagnosis and treatment. The market is expected to reach a value of \$1.5 billion by 2025, up from \$0.5 billion in 2020.

- The innovative startup Encord has recently unveiled its pioneering DICOM Image Annotation Tool. By doing so, the startup aims to enhance the precision and speed of image annotation tasks, ultimately contributing to improved diagnostics and patient care.
- Zebra Medical Vision has recently finalized a landmark deal, selling the company for an impressive \$200 million. This acquisition underscores the growing significance and market value of innovative ventures in the field of medical imaging and artificial intelligence.

For more information on the latest trends and developments in the computer vision in healthcare market, visit our website at <https://www.snsinsider.com/checkout/2087>.

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Part I: Market Landscape and Dynamics

- 1. Introduction to Computer Vision in Healthcare: Defining computer vision, its applications in healthcare, and potential benefits for patients and healthcare systems.
- 2. Research Methodology: Market definition, segmentation criteria, data collection and analysis techniques, and limitations of the study.
- 3. Computer Vision in Healthcare Market Dynamics: Key drivers (e.g., technological advancements, aging population, rising healthcare costs) and restraints (e.g., regulatory hurdles, data privacy concerns) impacting the market growth.

Part II: External Influences and Market Structure

- 4. Impact Analysis: Examining the influence of external factors like COVID-19, the Ukraine-Russia war, and the ongoing recession on the computer vision in healthcare market, considering both challenges and opportunities.
- 5. Value Chain Analysis: Mapping key players, roles, and relationships within the market ecosystem, from technology providers to healthcare institutions and patients.
- 6. Competitive Landscape Analysis: Utilizing Porter's Five Forces Model to assess competition, industry attractiveness, and potential disruption in the market.
- 7. PEST Analysis: Evaluating the impact of Political, Economic, Social, and Technological factors on the market landscape and future scenarios.

Part III: Market Segmentation and Geographical Insights

- 8. Computer Vision in Healthcare Market Segmentation by Product & Service: Analyzing the

market size and trends for different offerings, such as medical imaging analysis tools, surgical robotics, and automated diagnostics platforms.

- 9. Computer Vision in Healthcare Market Segmentation by Application: Investigating the demand for computer vision across various healthcare applications, including disease diagnosis, treatment planning, surgical assistance, and remote patient monitoring.
- 10. Computer Vision in Healthcare Market Segmentation by End User: Focusing on the demand for computer vision solutions among different user segments, including hospitals, clinics, pharmaceutical companies, and medical imaging centers.
- 11. Regional Analysis: Examining the global distribution of the market, identifying key regional growth areas and market dynamics in different parts of the world.

Part IV: Key Players and Practical Applications

- 12. Company Profiles: Analyzing leading players in the computer vision in healthcare market, their strategies, strengths, and market share.
- 13. Competitive Landscape: Unveiling major competitors, their unique value propositions, and key competitive differentiators.
- 14. Use Cases and Best Practices: Showcasing successful implementations of computer vision technologies in healthcare and highlighting industry best practices for maximizing effectiveness.

Part V: Conclusion and Future Outlook

- 15. Conclusion: Summarizing key findings, market opportunities, and potential challenges for the computer vision in healthcare market.
- 16. Future Outlook: Providing insights into potential future scenarios and growth projections for the market.

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