

# Global AI-Enabled Medical Imaging Solutions Market 2023

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## Abstracts

AI-enabled medical imaging solutions utilize machine learning algorithms and deep learning techniques to analyze medical images and assist healthcare professionals in diagnosis, treatment planning, and decision-making. AI-enabled medical imaging solutions can enhance the accuracy and efficiency of medical imaging, leading to improved patient outcomes and cost-effective healthcare delivery.

The global ai-enabled medical imaging solutions market is expected to increase by USD 8.3 billion, at a compound annual growth rate (CAGR) of 31.5% from 2023 to 2029, according to the latest edition of the Global AI-Enabled Medical Imaging Solutions Market Report. The advancements in artificial intelligence, particularly in the field of deep learning, have made significant contributions to the development of medical imaging solutions that are powered by AI. These advancements have greatly enhanced the accuracy and speed of image analysis, enabling the detection of complex patterns and abnormalities that may be challenging for human interpretation.

The growing demand for efficient healthcare systems, driven by factors such as increasing healthcare costs, a growing patient population, and the need for timely and accurate diagnosis, has spurred the adoption of AI-enabled medical imaging solutions. These solutions have the potential to streamline the imaging workflow, reduce interpretation time, and improve diagnostic accuracy, ultimately leading to improved patient management and outcomes.

One key factor that has facilitated the development and training of AI algorithms for medical imaging analysis is the increasing availability of medical imaging data. With the availability of large volumes of medical imaging data, including images, clinical reports, and patient records, researchers and developers are able to train AI systems more

effectively. By integrating AI-enabled solutions with picture archiving and communication systems (PACS) and electronic health records (EHR), healthcare professionals gain seamless access to relevant patient data, enabling more comprehensive and accurate analysis. This integration of AI with existing healthcare infrastructure holds great promise for the advancement of medical imaging capabilities and the improvement of patient care.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global ai-enabled medical imaging solutions market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

#### Market Segmentation

Offering: hardware, software

Modality: computed tomography (CT), magnetic resonance (MR), mammography, multi-modality imaging systems, ultrasound, x-ray, others

Deployment mode: cloud-based, on-premises

Therapeutic application: general imaging, specialty imaging

Workflow: detection, diagnosis and treatment decision support, equipment maintenance, image acquisition, image analysis, predictive analysis and risk assessment, reporting and communication, triage

End user: diagnostic imaging centers, hospitals, other

Region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

Specialty imaging: cardiology, neurology, oncology (breast cancer, lung cancer, others), orthopedics, respiratory, others

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the offering, modality, deployment mode, therapeutic application, workflow, end user, and region. The global market for ai-enabled medical imaging solutions can be segmented by offering: hardware, software. The software segment is estimated to account for the largest share of the global ai-enabled medical imaging solutions market. Ai-enabled medical imaging solutions market is further segmented by modality: computed tomography (CT), magnetic resonance (MR), mammography, multi-modality imaging systems, ultrasound, x-ray, others. The CT segment held the largest revenue share in 2022. Based on deployment mode, the ai-enabled medical imaging solutions market is segmented into: cloud-based, on-

premises. Globally, the cloud-based segment made up the largest share of the ai-enabled medical imaging solutions market. On the basis of therapeutic application, the ai-enabled medical imaging solutions market also can be divided into: general imaging, specialty imaging. The specialty imaging segment was the largest contributor to the global ai-enabled medical imaging solutions market in 2022. Ai-enabled medical imaging solutions market by workflow is categorized into: detection, diagnosis and treatment decision support, equipment maintenance, image acquisition, image analysis, predictive analysis and risk assessment, reporting and communication, triage. The image analysis segment is estimated to account for the largest share of the global ai-enabled medical imaging solutions market. The ai-enabled medical imaging solutions market by end user can be segmented into: diagnostic imaging centers, hospitals, other. The hospitals segment held the largest revenue share in 2022. Based on region, the ai-enabled medical imaging solutions market is further categorized into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America.

The specialty imaging market is further segmented into cardiology, neurology, oncology (breast cancer, lung cancer, others), orthopedics, respiratory, others. The oncology segment held the largest share of the global ai-enabled medical imaging solutions market in 2022, representing more than 93.4% of the total market.

### Major Companies and Competitive Landscape

The market research report covers the analysis of key stake holders of the global ai-enabled medical imaging solutions market. Some of the leading players profiled in the report include Agfa-Gevaert N.V., Aidoc Medical Ltd., Arterys Inc., Avicenna.AI SAS, Beijing Infervision Technology Co., Ltd., Blackford Analysis Limited, Butterfly Network, Inc., CellmatiQ GmbH, dentalXrai GmbH, Digital Diagnostics Inc., EchoNous Inc., FUJIFILM Holdings Corporation, GE HealthCare Technologies Inc., Gleamer SAS, HeartVista Inc., Hologic, Inc., Hyperfine, Inc., iCAD Inc., Koninklijke Philips NV, Lunit Inc., Mediare GmbH, Medo Inc., Merative US L.P. (formerly IBM Watson Health), Mirada Medical Ltd., Nano-X Imaging Ltd. (Zebra Medical Vision, Inc.), Nuance Communications, Inc., Nvidia Corporation, Paige AI, Inc., Perimeter Medical Imaging AI, Inc., Qure.ai Technologies Private Limited, Siemens Healthineers AG, Subtle Medical Inc., Synopsys Inc., TeraRecon, Inc. (EnvoyAI), United Imaging Intelligence Co., Ltd., VUNO Inc., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

### Scope of the Report

To analyze and forecast the market size of the global ai-enabled medical imaging solutions market.

To classify and forecast the global ai-enabled medical imaging solutions market based on offering, modality, deployment mode, therapeutic application, workflow, end user, region.

To identify drivers and challenges for the global ai-enabled medical imaging solutions market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global ai-enabled medical imaging solutions market.

To identify and analyze the profile of leading players operating in the global ai-enabled medical imaging solutions market.

### Why Choose This Report

Gain a reliable outlook of the global ai-enabled medical imaging solutions market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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12.9 dentalXrai GmbH

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12.11 EchoNous Inc.

12.12 FUJIFILM Holdings Corporation

12.13 GE HealthCare Technologies Inc.

12.14 Gleamer SAS

12.15 HeartVista Inc.

12.16 Hologic, Inc.

12.17 Hyperfine, Inc.

12.18 iCAD Inc.

12.19 Koninklijke Philips NV

12.20 Lunit Inc.

12.21 Mediaire GmbH

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12.23 Merative US L.P. (formerly IBM Watson Health)

12.24 Mirada Medical Ltd.

12.25 Nano-X Imaging Ltd. (Zebra Medical Vision, Inc.)

12.26 Nuance Communications, Inc.

12.27 Nvidia Corporation

12.28 Paige AI, Inc.

12.29 Perimeter Medical Imaging AI, Inc.

12.30 Qure.ai Technologies Private Limited

12.31 Siemens Healthineers AG

12.32 Subtle Medical Inc.

12.33 Synopsys Inc.

12.34 TeraRecon, Inc. (EnvoyAI)

12.35 United Imaging Intelligence Co., Ltd.

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