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Global AI?enabled Ultrasound System Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global AI?enabled Ultrasound System market size was valued at US$ 1873 million in 2025 and is forecast to a readjusted size of US$ 8039 million by 2032 with a CAGR of 22.2% during review period.

The AI enabled Ultrasound System represents an advanced class of medical imaging equipment that deeply integrates artificial intelligence into ultrasound image acquisition, analysis, and decision support. Built upon conventional ultrasound hardware platforms, these systems incorporate machine learning and deep neural network capabilities to enhance image quality, automatically recognize standard imaging planes, and assist with lesion localization and quantitative assessment, thus improving diagnostic consistency and clinical workflow efficiency. Product variations include fixed high-end diagnostic systems and portable point?of?care ultrasound (POCUS) devices. The fundamental industry value lies in transitioning ultrasound technology from manual operator dependence toward intelligent diagnostic assistance and standardized clinical application.

Global healthcare?s digital transformation is creating significant opportunities for AI enabled Ultrasound Systems. There is sustained demand for improved diagnostic accuracy and workflow efficiency in medical imaging, and AI technologies have demonstrated their value in boosting image fidelity, facilitating automated interpretation, and optimizing clinical workflows. Regulatory bodies such as the U.S. FDA are advancing policies to support AI/ML?enabled medical devices, providing a framework for market entry. National health authorities across multiple countries are actively promoting AI deployment in healthcare settings, a trend that supports technology

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adoption in primary and remote care environments. Challenges remain, such as ensuring clinical data quality, harmonizing algorithm validation standards internationally, and addressing variability across medical use cases, all of which require coordinated efforts across the ecosystem.

The supply chain for AI enabled Ultrasound Systems exhibits a multi?tiered collaborative structure. Upstream components include providers of ultrasound transducers and core imaging hardware, AI compute and algorithm platforms, and medical software and data services. Representative upstream players include established medical imaging equipment manufacturers such as GE Healthcare, Philips, Canon Healthcare, and Mindray, which possess strong capabilities in hardware platforms and AI integration. The downstream landscape comprises clinical healthcare providers and service organizations across hospitals, clinics, and telemedicine systems. Downstream demand is driven by radiology departments, emergency units, and community health centers. Key ecosystem contributors include specialized AI technology firms like Caption Health, Intelligent Ultrasound, and obstetrics?focused startups such as Sonio, which augment clinical utility through software tools and interoperability solutions. Overall, the supply chain reflects a co?driven ecosystem where hardware and AI software jointly accelerate innovation and adoption.

Market segmentation trends indicate differentiated adoption across clinical scenarios. Emergency medicine, intensive care, and POCUS applications show increasing reliance on rapid, real?time AI?enhanced imaging, making portable ultrasound systems one of the faster evolving segments. Specialty applications in obstetrics, cardiology, and hepatic imaging demand advanced automated recognition and quantitative analysis, propelling specialization of AI models. As healthcare providers emphasize standardization and ease of operation, AI?enabled ultrasound devices gain traction in community clinics and remote care settings. Across segments, drivers such as workflow efficiency, ease of use, and multi?disease applicability are central to adoption and evolution.

Regional trends illustrate distinct patterns of adoption. North America has matured in regulatory acceptance and clinical validation ecosystems, with the U.S. FDA?s guidance facilitating market uptake. China and Asia?Pacific markets are experiencing rapid uptake driven by healthcare infrastructure upgrades and supportive policy initiatives, with national and local health authorities advancing deployment of AI medical applications across hospitals and primary care systems. Europe?s adoption is shaped by regulatory emphasis on data protection and interoperability standards, alongside multinational clinical validation efforts. Regions such as Latin America, the Middle East,

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and Africa are working through international collaborations and technology transfers to enhance diagnostic capabilities in under?resourced settings, with regional needs and policy landscapes creating unique adoption pathways.

Recent developments underscore the dynamic evolution of the industry. In December 2025, Canon Healthcare?s next?generation ultrasound platform received U.S. FDA 510(k) clearance, marking the deep integration of AI into core imaging processes to elevate image quality and quantitative consistency. In November 2025, Chinese authorities issued a joint ?Artificial Intelligence + Healthcare Implementation Opinion? to promote intelligent medical imaging services. In 2024, GE Healthcare completed its acquisition of Intelligent Ultrasound?s clinical AI business to bolster its AI ultrasound technology pipeline. These factual milestones illustrate how technological innovation, policy support, and strategic corporate actions continue to shape the advancement of AI enabled Ultrasound Systems as a foundational element of intelligent medical imaging.

This report is a detailed and comprehensive analysis for global AI?enabled Ultrasound System 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?enabled Ultrasound System market size and forecasts, in consumption value ($ Million), 2021-2032

Global AI?enabled Ultrasound System market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global AI?enabled Ultrasound System market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global AI?enabled Ultrasound System market shares of main players, in revenue ($ Million), 2021-2026

The Primary Objectives in This Report Are:

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

To assess the growth potential for AI?enabled Ultrasound System

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?enabled Ultrasound System 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 GE HealthCare, Siemens Healthineers AG, Samsung Medison, Clarius Mobile Health, iSono Health, Inc., etc.

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

Market segmentation

AI?enabled Ultrasound System 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

Cloud-based

On-premise

Market segment by Standard Production Line Devices

Standard Production Line Devices

Custom/Configured Production Devices

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Market segment by AI Integration Level AI

Embedded On?Device AI

Hybrid Edge?Cloud AI

Software?Upgradable AI Modules

Market segment by Application

Skin Diseases

Eye Diseases

Lung Diseases

Breast Diseases

Market segment by players, this report covers

GE HealthCare

Siemens Healthineers AG

Samsung Medison

Clarius Mobile Health

iSono Health, Inc.

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

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

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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?enabled Ultrasound System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of AI?enabled Ultrasound System, with revenue, gross margin, and global market share of AI?enabled Ultrasound System from 2021 to 2026.

Chapter 3, the AI?enabled Ultrasound System 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?enabled Ultrasound System 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?enabled Ultrasound System.

Chapter 13, to describe AI?enabled Ultrasound System research findings and conclusion.

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