

Japan Multimodal Imaging Market Assessment, By Technology [PET/CT Systems, SPECT/CT Systems, PET/MR Systems, OCT/FM Systems, Others], By Application [Cardiology, Oncology, Neurology, Orthopedic, Others], By End-user [Hospitals, Diagnostic and Imaging Centers, Research Institutes, Others], By Region, Opportunities and Forecast, FY2018-FY2032F

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Report description:

Japan multimodal imaging market is projected to witness a CAGR of 5.90% during the forecast period FY2025-FY2032, growing from USD 182.11 million in FY2024 to USD 288.07 million in FY2032. Factors including rising demand for multidimensional diagnostic imaging and the development of the most advanced equipment by heavily invested healthcare giants are expected to drive the market in Japan substantially. The market for multimodal imaging in Japan is also expanding due to developments in imaging technology and rising demand for all-encompassing diagnostic services. This market includes a variety of imaging modalities, such as PET, CT, and MRI, which are used to offer precise and thorough medical assessments. Japan's high emphasis on technical innovation and research, which results in the production of state-of-the-art imaging equipment, is one of the main factors driving the market's growth. The excellent grade of medical care and the nation's strong healthcare infrastructure encourage the use of cutting-edge imaging technologies. Furthermore, the need for multimodal imaging solutions is accelerated by the growing emphasis on early and accurate disease diagnosis as well as the increased prevalence of chronic ailments. Collaborations between technology firms and medical institutions enhance the development and integration of new imaging technologies, supporting market expansion. Overall, Japan's leadership in imaging technology and its commitment to advancing healthcare are pivotal in driving the growth of the multimodal imaging market.

In November 2023, iSchemaView, Inc. received Class III Shonin clearance in Japan for its RapidAI stroke diagnosis imaging analysis software for a non-contrast CT. The company also launched Rapid Edge Cloud, a hybrid technology platform. Numerous imaging options are available from RapidAI for pulmonary embolism, aneurysms, and stroke. In addition, it offers clinical trial platforms

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that facilitate clinical trial screening and enrolment, analytics tools to support hospital operations, and technology platforms that provide coordinated care between hospital care teams and EMS providers.

Presence of Industrial Giants Drive Market Growth

Through a mix of technological innovation and significant investment, the presence of industry giants in Japan is considerably boosting the country's multimodal imaging market. Prominent players, such as Canon Medical Systems Corporation, Fujifilm Holdings Corporation, and Hitachi High-Tech Corporation, are at the forefront of developing sophisticated imaging technologies, such as MRI, CT, and PET systems, which improve the precision and effectiveness of diagnosis. Japan continues to lead the world in innovative medical imaging solutions due to its significant R&D activities, which propel ongoing advancements in imaging equipment. In addition to introducing cutting-edge imaging technology to the market, these giants also support robust partnerships with academic institutions and healthcare organizations. Through this synergy, new technologies can more easily be incorporated into clinical practice, improving patient outcomes and streamlining diagnostic procedures.

Furthermore, the significant investments made by these companies in both domestic and international markets help expand Japan's footprint in the global multimodal imaging landscape, reinforcing its position as a key player in the healthcare technology sector. For example, in July 2023, in order to strengthen its medical systems business structure, Fujifilm Holdings Corporation announced that it would reorganize its medical systems group firms in Japan. To further improve each function, including business strategy, R&D, sales, and maintenance services, Fujifilm Holdings Corporation will reorganize its group companies in Japan that are involved in the medical systems business based on their functional duties.

Technological Advancements Being a Boon for the Country

Japan's multimodal imaging market is greatly advanced by technological advancements stimulating innovations and improving imaging capabilities. Japan's emphasis on R&D has given rise to innovations in imaging technologies, including sophisticated CT, MRI, and PET scanners that provide higher resolution and quicker scan times. advances. These advances drive the demand for advanced imaging solutions, which facilitate better patient results and more accurate diagnoses. Another significant development in imaging systems is the incorporation of artificial intelligence and machine learning, which enables automatic image processing and improved diagnosis accuracy. Japan places a high priority on integrating technology, which guarantees that these innovative solutions are quickly implemented in clinical settings. Furthermore, Japan's strong high-tech research infrastructure encourages further progress and makes it easier for technology companies and healthcare providers to work together. This synergy accelerates the development and deployment of new imaging technologies, solidifying Japan's position as a leader in the global multimodal imaging market and thus driving its growth.

For instance, HOPPR (IntellixAI Inc.) has announced the release of Grace, a multi-modal foundation model for medical imaging powered by Amazon Web Services, Inc. (AWS) that is accessible to radiology PACS, developers, and AI firms via private beta for application development and fine-tuning. In addition to a landmark investment from Health2047, Inc., a venture studio established by the American Medical Association (AMA), this launch represents a major advancement for HOPPR in its endeavor to unleash the possibilities of generative AI in the field of medical imaging.

Highly Collaborative Market Environment Boosting the Market Growth

In Japan, joint ventures and collaborations propel the multimodal imaging industry by stimulating creativity and quickening technological progress. Forward-thinking Japanese corporations, like Canon Medical Systems Corporation and Fujifilm Holdings Corporation, are collaborating with academic institutions, research centers, and healthcare providers for further progress in the development of advanced imaging technology. Collaborations such as research are helping manufacturers develop comprehensive diagnostic instruments and conduct clinical trials.

International alliances also assist Japanese businesses in broadening their horizons and grasping world perspectives, which accelerates market expansion. By pooling knowledge and resources, these collaborations ensure that Japan remains at the forefront of imaging technology development and implementation, ultimately solidifying its leadership in the multimodal imaging market and driving continued innovation and market expansion. To increase healthcare access, affordability, and quality, Topcon Healthcare Solutions, Inc. (THI) and Microsoft Corporation have collaborated to offer AI-powered "healthcare from the eye" solutions to increase healthcare access, affordability, and quality. Using the THI Harmony platform and the Nuance Precision Imaging Network, a cloud-based connected network of healthcare providers will enable patients and healthcare professionals to take part in pre-screening for neurological and systemic diseases utilizing a quick, non-invasive, robotic eye scan.

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PET/CT Systems Segment Dominates the Multimodal Imaging Market

One of the main factors propelling the expansion of the PET/CT scanners in the multimodal imaging market in Japan is technological advancements and new product launches. These innovations include improvements in imaging speed, accuracy, and dose reduction, all of which greatly increase patient safety and diagnostic precision. In addition to raising the bar for medical imaging, the extensive use of these cutting-edge PET/CT scanners in Japanese clinics and hospitals is also driving up demand for MRI and PET scanners, among other complementary imaging modalities. Comprehensive diagnostic solutions are made possible by integrating CT technology with other imaging modalities, which has fuelled the expansion of the multimodal imaging market. Additionally, Japan's strong focus on research and development in CT technology fosters continuous improvement and innovation, further strengthening its position in the market and propelling the overall growth of the multimodal imaging sector. For example, Keio University Hospital, one of Japan's leading medical institutions, is certified as a core clinical research hospital and promotes clinical research and trials necessary for developing innovative pharmaceuticals and medical devices. Scientists and doctors there have developed the first-ever CT scanner that allows examinations of standing and seated patients.

Future Market Scenario (2024-2031F)

The main factors contributing to the anticipated growth of Japan multimodal imaging market are the rising geriatric population, increasing prevalence of chronic diseases, and thus, the rising requirement to conduct diagnostic tests. However, the growing need for precision medicine to maintain a healthy population will also fuel market growth in the future. Given that technology is advancing, cutting-edge technology in the area is expected. Players in this market are expanding at an unparalleled rate, introducing cost-effective and efficient technologies. Government policies and policies made by welfare bodies are also greatly fueling the market expansion. For instance, in June 2022, Konica Minolta, Inc. released DDRAtlas Ver. 1.0, which records normal cases, as the first part of Dynamic Digital Radiography DDRAtlas on its membership website in Japan.

Key Players Landscape and Outlook

Several companies are expanding their role in the market by planning and adopting new strategies. They are complying with new strategic initiatives regarding the launches of newly developed multimodal imaging devices to help researchers and strengthen their market presence. New product launches, agreements based on contracts, acquisitions and mergers, investments, and partnerships are a few ways through which they are trying to achieve the same. For example, in June 2024, a joint venture called 'SB TEMPUS Corp.' was established between SoftBank Group Corp. and Tempus AI, Inc., a pioneer in artificial intelligence and precision medicine. With this partnership, Japan's healthcare will be further advanced through the use of AI and medical data.

Table of Contents:

1. Project Scope and Definitions
2. Research Methodology
3. Executive Summary
4. Japan Multimodal Imaging Market Outlook, FY2018-FY2032F
 - 4.1. Market Size Analysis & Forecast
 - 4.1.1. By Value
 - 4.1.2. By Volume
 - 4.2. Market Share Analysis & Forecast
 - 4.2.1. By Technology
 - 4.2.1.1. PET/CT Systems
 - 4.2.1.2. SPECT/CT Systems
 - 4.2.1.3. PET/MR Systems
 - 4.2.1.4. OCT/FM Systems
 - 4.2.1.5. Others
 - 4.2.2. By Application
 - 4.2.2.1. Cardiology
 - 4.2.2.2. Oncology
 - 4.2.2.3. Neurology

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- 4.2.2.4. □Orthopedic
- 4.2.2.5. □Others
- 4.2.3. □By End-user
 - 4.2.3.1. □Hospitals
 - 4.2.3.2. □Diagnostic and Imaging Centers
 - 4.2.3.3. □Research Institutes
 - 4.2.3.4. □Others
- 4.2.4. □By Region
 - 4.2.4.1. □North [Hokkaido and Tohoku]
 - 4.2.4.2. □Central [Kanto and Chubu]
 - 4.2.4.3. □South [Kansai, Chugoku, Shikoku, and Kyushu & Okinawa]
- 4.2.5. □By Company Market Share Analysis (Top 5 Companies and Others - By Value, FY2024)
- 4.3. □Market Map Analysis, FY2024
 - 4.3.1. □By Technology
 - 4.3.2. □By Application
 - 4.3.3. □By End-user
 - 4.3.4. □By Region
- 5. □Demand Supply Analysis
- 6. □Import and Export Analysis
- 7. □Value Chain Analysis
- 8. □Porter's Five Forces Analysis
- 9. □PESTLE Analysis
- 10. □Pricing Analysis
- 11. □Market Dynamics
 - 11.1. □Market Drivers
 - 11.2. □Market Challenges
- 12. □Market Trends and Developments
- 13. □Regulatory Framework and Innovation
 - 13.1. □Regulatory Approvals
- 14. □Patent Landscape
- 15. □Case Studies
- 16. □Competitive Landscape
 - 16.1. □Competition Matrix of Top 5 Market Leaders
 - 16.2. □SWOT Analysis for Top 5 Players
 - 16.3. □Key Players Landscape for Top 10 Market Players
 - 16.3.1. □GE HealthCare Technologies Inc.
 - 16.3.1.1. □Company Details
 - 16.3.1.2. □Key Management Personnel
 - 16.3.1.3. □Products and Services
 - 16.3.1.4. □Financials (As Reported)
 - 16.3.1.5. □Key Market Focus and Geographical Presence
 - 16.3.1.6. □Recent Developments/Collaborations/Partnerships/Mergers and Acquisition
 - 16.3.2. □Canon Medical Systems Corporation
 - 16.3.3. □Carestream Health, Inc.
 - 16.3.4. □Samsung Medison Co., Ltd.
 - 16.3.5. □Fujifilm Holdings Corporation
 - 16.3.6. □Hitachi High-Tech Corporation

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16.3.7. □Koninklijke Philips N.V.

16.3.8. □Siemens Healthineers

16.3.9. □Shimadzu Corporation

16.3.10. □Cubresa Inc.

*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

17. □Strategic Recommendations

18. □About Us and Disclaimer

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