

South Korea Diagnostic Imaging Market Size, Share, Trends and Forecast by Modality, Application, End User, and Region, 2026-2034

<https://marketpublishers.com/r/S2A4EB89E822EN.html>

Date: July 2026

Pages: 118

Price: US\$ 2,999.00 (Single User License)

ID: S2A4EB89E822EN

Abstracts

The South Korea diagnostic imaging market size reached USD 694.1 Million in 2025. The market is projected to reach USD 999.3 Million by 2034, exhibiting a growth rate (CAGR) of 4.01% during 2026-2034. The market is driven by a rapidly aging population and the increasing prevalence of chronic diseases such as cancer, cardiovascular, neurological, and orthopedic conditions, which elevate the demand for advanced imaging technologies including MRI, CT, and ultrasound. Continued government investment in healthcare infrastructure, along with progress in AI and digital imaging, supports innovation. Growth in medical tourism and private healthcare further enhances South Korea diagnostic imaging market share.

SOUTH KOREA DIAGNOSTIC IMAGING MARKET TRENDS:

Broadening Public Access to Imaging

In September 2024, the Ministry of Health and Welfare and the Korea Health Industry Development Institute launched a pilot program enabling the electronic exchange of medical images across hospitals, including MRI scans and ultrasounds. This initiative included more than 445 facilities in the initial rollout, aimed at breaking down barriers between healthcare providers and simplifying access for patients. As a result, patients can now carry imaging data seamlessly across regions, reducing duplicate tests and improving diagnostic continuity. Clinics and hospitals have reported smoother workflows and reduced administrative load, helping radiologists focus more on analysis. This digital upgrade allows for quicker decisions and earlier detection of diseases, particularly when patients move between facilities. By empowering providers with immediate image access, the system supports timely care while enhancing patient

experience. This step also promotes equitable access to advanced imaging in smaller cities and rural health centers. These efforts signal a purposeful integration of modern infrastructure into everyday healthcare, reinforcing the foundation for sustained South Korea diagnostic imaging market growth.

AI-Boosted Early Cancer Detection

In March 2025, a large-scale, prospective study showed that AI-integrated mammography screening significantly improved breast cancer detection in South Korea's national program. This is a breakthrough for diagnostic imaging, allowing early interventions without increasing unnecessary callbacks. The research involved collaboration across multiple academic hospitals and validated that AI-assisted readings empowered radiologists to identify more cases with confidence, highlighting the impact of advanced algorithms on quality of care. National health authorities have begun sponsoring pilot deployments of these AI tools within screening clinics to evaluate their effectiveness in real-world workflows. These implementations are not only accelerating analysis but also enhancing diagnostic consistency across different sites. Patients benefit from more reliable and timely results, while healthcare teams experience reduced manual strain. This trend aligns with broader efforts to incorporate intelligent solutions into imaging pathways. As AI tools prove their worth in nationwide screening efforts, they're establishing a new standard for intervention strategies. This shift plays a pivotal role in advancing South Korea diagnostic imaging market trends.

Seamless Image Exchange and Digital Integration

South Korea's healthcare system is transforming the way diagnostic imaging data is shared and accessed. In late 2024, the Health Ministry and Korea Health Industry Development Institute launched a pilot to enable the digital exchange of medical images such as MRI and CT scans across hundreds of hospitals and clinics nationwide. The new system lets patients retrieve their imaging records anywhere, without relying on CDs or manually requested transfers. This is making a clear difference: patients report fewer repeat scans and smoother experiences when moving between care sites. On the provider side, clinicians gain instant access to prior images and reports, helping them make faster, more informed decisions. Radiology departments are seeing less administrative friction, which translates to quicker diagnoses and better care coordination across regions. Digital integration also supports continuity for chronic disease monitoring and follow-up, ensuring that each scan builds on prior insights. This shift marks a meaningful step toward a fully connected healthcare ecosystem one where diagnostic imaging tools are not just available but efficiently woven into patient

care pathways.

SOUTH KOREA DIAGNOSTIC IMAGING MARKET SEGMENTATION:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the country and regional levels for 2026-2034. Our report has categorized the market based on modality, application, and end user.

Modality Insights:

MRI

Low and Mid Field MRI Systems

High Field MRI Systems

Very High and Ultra High Field MRI Systems

Computed Tomography

Low-End Scanners

Mid-Range Scanners

High-End Scanners

Ultrasound

2D Ultrasound

3D Ultrasound

Others

X-Ray

Analog Systems

Digital Systems

Nuclear Imaging

Positron Emission Tomography (PET)

Single Photon Emission Computed Tomography (SPECT)

The report has provided a detailed breakup and analysis of the market based on the modality. This includes MRI (low and mid field MRI systems, high field MRI systems, and very high and ultra high field MRI systems), computed tomography (low-end scanners, mid-range scanners, and high-end scanners), ultrasound (2D ultrasound, 3D ultrasound, and others), X-ray (analog systems and digital systems), nuclear imaging (positron emission tomography (PET) and single photon emission computed tomography (SPECT)), and others.

Application Insights:

Cardiology

Oncology

Neurology

Orthopedics

Gastroenterology

Gynecology

A detailed breakup and analysis of the market based on the application have also been provided in the report. This includes cardiology, oncology, neurology, orthopedics, gastroenterology, gynecology, and others.

End User Insights:

Hospitals

Diagnostic Centers

The report has provided a detailed breakup and analysis of the market based on the end user. This includes hospitals, diagnostic centers, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

The report has also provided a comprehensive analysis of all the major regional markets, which include the Seoul Capital Area, Yeongnam (Southeastern Region), Honam (Southwestern Region), Hoseo (Central Region), and others.

COMPETITIVE LANDSCAPE:

The market research report has also provided a comprehensive analysis of the competitive landscape. Competitive analysis such as market structure, key player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies have been provided.

KEY QUESTIONS ANSWERED IN THIS REPORT

How has the South Korea diagnostic imaging market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea diagnostic imaging market on the basis of modality?

What is the breakup of the South Korea diagnostic imaging market on the basis of application?

What is the breakup of the South Korea diagnostic imaging market on the basis of end user?

What is the breakup of the South Korea diagnostic imaging market on the basis of

region?

What are the various stages in the value chain of the South Korea diagnostic imaging market?

What are the key driving factors and challenges in the South Korea diagnostic imaging market?

What is the structure of the South Korea diagnostic imaging market and who are the key players?

What is the degree of competition in the South Korea diagnostic imaging market?

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