

South Korea Image Recognition Market Size, Share, Trends and Forecast by Component, Technology, Application, Deployment Type, End Use Industry, and Region, 2026-2034

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Abstracts

The South Korea image recognition market size reached USD 1,022.4 Million in 2025. Looking forward, IMARC Group expects the market to reach USD 3,121.9 Million by 2034, exhibiting a growth rate (CAGR) of 12.81% during 2026-2034. Technological advancements in artificial intelligence (AI) and machine learning (ML), along with the rise of smart store technologies, are driving the image recognition market in South Korea. AI enhances precision and efficiency, while smart store solutions, like automated checkout and inventory management, are reshaping the retail sector, contributing to the expansion of the South Korea image recognition market share.

SOUTH KOREA IMAGE RECOGNITION MARKET TRENDS:

Technological Advancements in AI and ML

South Korea's retail sector is experiencing a major change, propelled by the emergence of smart store technologies that depend greatly on image recognition. Retailers are implementing creative solutions like smart shelves, automated payment systems, and in-store monitoring, all driven by image recognition, to improve operational efficiency and client satisfaction. These technologies enable stores without cashiers, allowing shoppers to grab items and exit without having to check out themselves. Moreover, image recognition is essential in inventory management, guaranteeing that shelves remain filled and products are recognized accurately. Retailers are progressively adopting these innovations to establish more technology-focused shopping experiences that meet the growing need for convenience and automation. A significant instance of

this trend is the introduction of FacePay, a facial recognition payment system revealed in 2025 by South Korean convenience stores GS25, CU, and 7-Eleven. Created by Viva Republica, this system enables users to sign up via the Toss app and complete payments by scanning their face during checkout. Focusing on speed, privacy, and fraud protection, FacePay aims to transform the checkout procedure, improving the shopping experience. With South Korean retailers striving for enhanced and seamless individual experiences, image recognition technologies are crucial in transforming the retail sector, propelling market growth and establishing fresh benchmarks for convenience and effectiveness in shopping.

Growth in Retail and Smart Store Technologies

The retail sector in South Korea is experiencing a major change, fueled by the emergence of smart store technologies that largely depend on image recognition. Retailers are implementing cutting-edge solutions, including intelligent shelves, automated checkout kiosks, and in-store monitoring, all driven by image recognition technology, to improve operational efficiency and client satisfaction. These technologies enable cashier-free shops, allowing shoppers to grab products and exit without going through a manual checkout process. Moreover, image recognition is essential in inventory management, guaranteeing that shelves remain stocked and products are accurately identified. Retailers are progressively adopting these innovations to develop more technology-oriented shopping spaces that meet the rising need for convenience and automation. A significant instance of this trend is the debut of FacePay, a facial recognition payment platform revealed in 2025 by South Korean convenience stores GS25, CU, and 7-Eleven. This system, created by Viva Republica, enables users to sign up via the Toss app and complete payments by scanning their face during checkout. By focusing on speed, privacy, and fraud prevention, FacePay is poised to transform the checkout process, improving the shopping experience. These advancements are driving operational efficiency, enhancing client satisfaction, and setting new standards for convenience and automation, strengthening the South Korea image recognition market growth.

SOUTH KOREA IMAGE RECOGNITION 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 component, technology, application, deployment type, and end use industry.

Component Insights:

Hardware

Software

Services

The report has provided a detailed breakup and analysis of the market based on the component. This includes hardware, software, and services.

Technology Insights:

Object Detection

QR/Barcode Recognition

Facial Recognition

Pattern Recognition

Optical Character Recognition

Others

A detailed breakup and analysis of the market based on the technology have also been provided in the report. This includes object detection, QR/barcode recognition, facial recognition, pattern recognition, optical character recognition, and others.

Application Insights:

Scanning and Imaging

Security and Surveillance

Image Searching

Augmented Reality

Marketing and Advertising

Others

The report has provided a detailed breakup and analysis of the market based on the application. This includes scanning and imaging, security and surveillance, image searching, augmented reality, marketing and advertising, and others.

Deployment Type Insights:

On-premises

Cloud-based

A detailed breakup and analysis of the market based on the deployment type have also been provided in the report. This includes on-premises and cloud-based.

End Use Industry Insights:

BFSI

Media and Entertainment

IT and Telecom

Government

Healthcare

Transportation and Logistics

Others

A detailed breakup and analysis of the market based on the end use industry have also

been provided in the report. This includes BFSI, media and entertainment, IT and telecom, government, healthcare, transportation and logistics, and others.

Regional Insights:

Seoul Capital Area

Yeongnam (Southeastern Region)

Honam (Southwestern Region)

Hoseo (Central Region)

Others

The report has also provided a comprehensive analysis of all the major regional markets, which include 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 image recognition market performed so far and how will it perform in the coming years?

What is the breakup of the South Korea image recognition market on the basis of component?

What is the breakup of the South Korea image recognition market on the basis of technology?

What is the breakup of the South Korea image recognition market on the basis of application?

What is the breakup of the South Korea image recognition market on the basis of deployment type?

What is the breakup of the South Korea image recognition market on the basis of end use industry?

What is the breakup of the South Korea image recognition market on the basis of region?

What are the various stages in the value chain of the South Korea image recognition market?

What are the key driving factors and challenges in the South Korea image recognition market?

What is the structure of the South Korea image recognition market and who are the key players?

What is the degree of competition in the South Korea image recognition market?

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