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South Korea Biometrics Market Size, Share, Trends and Forecast by Technology, Functionality, Component, Authentication, End User, and Region, 2026-2034

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Abstracts

The South Korea biometrics market size reached USD 978.2 Million in 2025. Looking forward, the market is projected to reach USD 3,336.3 Million by 2034, exhibiting a growth rate (CAGR) of 14.02 % during 2026-2034. The market is witnessing steady growth driven by rising demand for secure authentication in banking, government services, and consumer electronics. Increasing adoption of fingerprint, facial, and iris recognition technologies in smartphones and smart devices is also fueling market expansion. Growing emphasis on cybersecurity, digital identity verification, and public safety initiatives, along with technological advancements and investments in AI-based solutions, further strengthen South Korea biometrics market share.

SOUTH KOREA BIOMETRICS MARKET TRENDS:

Contactless Authentication Growth

The need for contactless authentication is rapidly increasing in South Korea, transforming the biometrics sector with innovative facial and iris recognition technologies. In the wake of the pandemic, both consumers and businesses have become more mindful of hygiene and physical contact, prompting a shift towards touchless identity verification approaches. This movement is particularly noticeable in industries like airports, public transport, healthcare, finance, and retail, where there is significant user interaction and a need for secure yet hygienic methods. For instance, in May 2025, Korean startup WINNING.I launched the world's first contactless biometric authentication solution, enabling simultaneous facial and fingerprint recognition using a

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smartphone's front and rear cameras. The technology has received iBeta certification for 100% spoof prevention, enhancing identity verification for financial services and other sectors while attracting global market interest. Contactless biometric solutions not only minimize the risk of infection but also improve speed and convenience, making them suitable for extensive applications such as border control and digital transactions. The incorporation of artificial intelligence and cloud technology is enhancing accuracy, scalability, and the ability for real-time authentication. As organizations put greater emphasis on security and improving customer experience, the rising use of touchless technologies is expected to significantly boost the biometrics market in South Korea in the coming years.

Expansion in Financial Services

The financial services sector is emerging as a significant catalyst for the South Korea biometrics market growth, as banks and fintech firms increasingly implement biometric authentication to enhance security and improve customer experience. With the growth of mobile banking and digital payment platforms, conventional passwords and PINs are being substituted with fingerprint, facial, and voice recognition systems that offer quicker and more dependable identity verification. This transition addresses rising concerns about cyber fraud, data breaches, and unauthorized transactions, ensuring convenience and safety for users. Additionally, regulatory organizations are promoting stronger authentication frameworks, urging financial institutions to invest in cutting-edge biometric solutions. For instance, in July 2025, Lotte Card received approval from South Korea’s Financial Services Commission for its facial recognition payment system, allowing trials at select airports and duty-free stores. This innovative service enables transactions via facial scans, complying with strict data protection regulations and paving the way for broader biometric payment adoption in the country. Contactless verification methods are also gaining popularity, aligning with consumer preferences for smooth digital interactions. As financial services broaden their digital offerings, biometrics play a crucial role in shaping secure, efficient, and trusted banking ecosystems in South Korea.

SOUTH KOREA BIOMETRICS 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 technology, functionality, component, authentication, and end user.

Technology Insights:

Face Recognition

Hand Geometry

Voice Recognition

Signature Recognition

Iris Recognition

AFIS

Non-AFIS

Others

The report has provided a detailed breakup and analysis of the market based on technology. This includes face recognition, hand geometry, voice recognition, signature recognition, iris recognition, AFIS, non-AFIS, and others.

Functionality Insights:

Contact

Non-contact

Combined

A detailed breakup and analysis of the market based on the functionality have also been provided in the report. This includes contact, non-contact, and combined.

Component Insights:

Hardware

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Software

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

Authentication Insights:

Single-Factor Authentication

Multifactor Authentication

A detailed breakup and analysis of the market based on the authentication has also been provided in the report. This includes single-factor authentication and multifactor authentication.

End User Insights:

Government

Defense Services

Banking and Finance

Consumer Electronics

Healthcare

Commercial Safety and Security

Transport/Visa/Logistics

Others

A detailed breakup and analysis of the market based on the end user has also been provided in the report. This includes government, defense services, banking and finance, consumer electronics, healthcare, commercial safety and security,

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transport/visa/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 biometrics market performed so far and how will it perform in the coming years?

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

What is the breakup of the South Korea biometrics market on the basis of functionality?

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

What is the breakup of the South Korea biometrics market on the basis of authentication?

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

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

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

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

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

What is the degree of competition in the South Korea biometrics market?

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