+357 96 030922
info@marketpublishers.com

South Korea Machine Vision Market Size, Share, Trends and Forecast by Product, Component, Application, Industry, and Region, 2026-2034

https://marketpublishers.com/r/S79F4C4348D9EN.html
Date: July 2026
Pages: 122
Price: US$ 2,999.00 (Single User License)
ID: S79F4C4348D9EN

Abstracts

The South Korea machine vision market size reached USD 287.4 Million in 2025. Looking forward, the market is projected to reach USD 511.0 Million by 2034, exhibiting a growth rate (CAGR) of 6.40% during 2026-2034. The market is witnessing significant growth due to increasing demand for automation across industries like manufacturing, automotive, and electronics. Advancements in AI and image processing technologies are also enhancing system capabilities. As companies adopt machine vision for quality control and process optimization, the market continues to expand. These trends are further contributing to the rise in South Korea machine vision market share.

SOUTH KOREA MACHINE VISION MARKET TRENDS:

Growth of 3D Vision Systems

The adoption of 3D vision systems is rapidly increasing in South Korea fueled by the rising demand for higher precision in complex industrial processes. These advanced systems offer improved depth perception and accuracy over conventional 2D vision solutions making them particularly suitable for intricate tasks such as detailed inspection, measurement, and assembly. In the electronics sector 3D vision facilitates precise component placement and the detection of defects on circuit boards. The automotive industry also benefits from these systems through automated inspection and robotic guidance. In the realm of robotics enhanced 3D capabilities allow for more accurate manipulation of objects, thereby boosting production efficiency. As Industry 4.0 gains momentum the demand for sophisticated inspection and automation continues to grow solidifying 3D vision systems as an essential component of South Korea's machine vision market. For instance, in August 2024, Luxolis, a 3D machine vision

+357 96 030922
info@marketpublishers.com

startup announced its plans to open a new R&D center in Chuncheon, South Korea. This facility will focus on advancing AI-driven 3D vision and industrial automation technologies, enhancing Luxolis' offerings in 3D reconstruction and precision manufacturing including its innovative SceneCap 3D system. This trend is propelling significant South Korea machine vision market growth as various industries strive for improved automation and accuracy.

Smart Camera Solutions

Smart cameras are rapidly becoming popular in South Korea's machine vision sector due to their compact size and high-performance features. These devices come equipped with real-time processing capabilities, enabling them to handle tasks such as image capture, analysis, and decision-making independently, without relying on external computing resources. This simplifies system architecture and boosts operational efficiency. In quality control applications, smart cameras can quickly identify defects and inconsistencies in products, ensuring that only perfect items are dispatched. Likewise, in assembly lines, these cameras facilitate accurate alignment, measurement, and positioning of components, which improves the precision of automation. Their small design allows for easy integration into current systems, while their processing power supports rapid decision-making in fast-paced environments. For instance, in March 2024, Meerecompany introduced the Cube-eye ToF 3D depth camera, tailored for both indoor and outdoor machine vision uses. It offers a detection range from 0.25 to 7 meters and operates at a frame rate of 15 frames per second. The camera is compatible with multiple operating systems and is specifically designed for robotics and 3D scanning applications. As industries increasingly adopt automation for more efficient production, the demand for smart camera solutions continues to grow, influencing the landscape of machine vision applications.

SOUTH KOREA MACHINE VISION 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 product, component, application, and industry.

Product Insights:

Vision Systems

Cameras

+357 96 030922
info@marketpublishers.com

Others

The report has provided a detailed breakup and analysis of the market based on the product. This includes vision systems, cameras, and others.

Component Insights:

Hardware

Software

A detailed breakup and analysis of the market based on the component have also been provided in the report. This includes hardware and software.

Application Insights:

Positioning

Identification

Verification

Measurement

Flaw Detection

Others

The report has provided a detailed breakup and analysis of the market based on the application. This includes positioning, identification, verification, measurement, flaw detection, and others.

Industry Insights:

Electronics and Semiconductor

+357 96 030922
info@marketpublishers.com

Automotive

Medical and Pharmaceutical

Food, Packaging and Printing

Security and Surveillance

Intelligent Traffic System

Others

A detailed breakup and analysis of the market based on the industry have also been provided in the report. This includes electronics and semiconductor, automotive, medical and pharmaceutical, food, packaging and printing, security and surveillance, intelligent traffic system, 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

+357 96 030922
info@marketpublishers.com

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 machine vision market performed so far and how will it perform in the coming years?
What is the breakup of the South Korea machine vision market on the basis of product?
What is the breakup of the South Korea machine vision market on the basis of component?
What is the breakup of the South Korea machine vision market on the basis of application?
What is the breakup of the South Korea machine vision market on the basis of industry?
What is the breakup of the South Korea machine vision market on the basis of region?
What are the various stages in the value chain of the South Korea machine vision market?
What are the key driving factors and challenges in the South Korea machine vision market?
What is the structure of the South Korea machine vision market and who are the key players?
What is the degree of competition in the South Korea machine vision market?

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

7 SOUTH KOREA MACHINE VISION MARKET - BREAKUP BY COMPONENT

8 SOUTH KOREA MACHINE VISION MARKET - BREAKUP BY APPLICATION

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

11 SOUTH KOREA MACHINE VISION MARKET – COMPETITIVE LANDSCAPE

+357 96 030922
info@marketpublishers.com

12 PROFILES OF KEY PLAYERS

+357 96 030922
info@marketpublishers.com

13 SOUTH KOREA MACHINE VISION MARKET - INDUSTRY ANALYSIS

14 APPENDIX

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: South Korea Machine Vision Market Size, Share, Trends and Forecast by Product, Component, Application, Industry, and Region, 2026-2034

Product link: https://marketpublishers.com/r/S79F4C4348D9EN.html

Price: US$ 2,999.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S79F4C4348D9EN.html