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Global AI Vision Processing Chips Market Growth 2025-2031

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Abstracts

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The global AI Vision Processing Chips market size is predicted to grow from US$ 807 million in 2025 to US$ 1660 million in 2031; it is expected to grow at a CAGR of 12.8% from 2025 to 2031.

AI vision processing chips are special integrated circuits designed for efficient image and video analysis tasks, and are widely used in smart cameras, self-driving cars, robots, and security monitoring. These chips integrate advanced image signal processing technology and deep learning accelerators, and can efficiently process complex visual algorithms at the hardware level, providing real-time, high-precision image recognition and intelligent analysis.

United States market for AI Vision Processing Chips is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for AI Vision Processing Chips is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for AI Vision Processing Chips is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key AI Vision Processing Chips players cover Intel, Huawei HiSilicon, Goke Microelectronics, Anhui Eyevolution Technology, Axera Semiconductor, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

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LP Information, Inc. (LPI) ' newest research report, the “AI Vision Processing Chips Industry Forecast” looks at past sales and reviews total world AI Vision Processing Chips sales in 2024, providing a comprehensive analysis by region and market sector of projected AI Vision Processing Chips sales for 2025 through 2031. With AI Vision Processing Chips sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world AI Vision Processing Chips industry.

This Insight Report provides a comprehensive analysis of the global AI Vision Processing Chips landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on AI Vision Processing Chips portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global AI Vision Processing Chips market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for AI Vision Processing Chips and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global AI Vision Processing Chips.

This report presents a comprehensive overview, market shares, and growth opportunities of AI Vision Processing Chips market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Below 2TOPs

2TOPs-4TOPs

Above 4TOPs

Segmentation by Application:

Smart Network Camera

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- Security Surveillance
- Vehicle Vision Products
- Others

This report also splits the market by region:

- Americas
  - United States
  - Canada
  - Mexico
  - Brazil
- APAC
  - China
  - Japan
  - Korea
  - Southeast Asia
  - India
  - Australia
- Europe
  - Germany
  - France

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UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Intel

Huawei HiSilicon

Goke Microelectronics

Anhui Eyevolution Technology

Axera Semiconductor

Allwinner Technology

WUQI Microelectronics

Shanghai NextVPU

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Tsingmicro Intelligent Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global AI Vision Processing Chips market?

What factors are driving AI Vision Processing Chips market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do AI Vision Processing Chips market opportunities vary by end market size?

How does AI Vision Processing Chips break out by Type, by Application?

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