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Global AI Vision Processing Chips Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global AI Vision Processing Chips market size was valued at US$ 815 million in 2024 and is forecast to a readjusted size of USD 1677 million by 2031 with a CAGR of 12.0% during review period.

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.

This report is a detailed and comprehensive analysis for global AI Vision Processing Chips market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global AI Vision Processing Chips market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global AI Vision Processing Chips market size and forecasts by region and country, in

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consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global AI Vision Processing Chips market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global AI Vision Processing Chips market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for AI Vision Processing Chips

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global AI Vision Processing Chips market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Intel, Huawei HiSilicon, Goke Microelectronics, Anhui Eyevolution Technology, Axera Semiconductor, Allwinner Technology, WUQI Microelectronics, Shanghai NextVPU, Tsingmicro Intelligent Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

AI Vision Processing Chips market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

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Below 2TOPs

2TOPs-4TOPs

Above 4TOPs

Market segment by Application

Smart Network Camera

Security Surveillance

Vehicle Vision Products

Others

Major players covered

Intel

Huawei HiSilicon

Goke Microelectronics

Anhui Eyevolution Technology

Axera Semiconductor

Allwinner Technology

WUQI Microelectronics

Shanghai NextVPU

Tsingmicro Intelligent Technology

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Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe AI Vision Processing Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI Vision Processing Chips, with price, sales quantity, revenue, and global market share of AI Vision Processing Chips from 2020 to 2025.

Chapter 3, the AI Vision Processing Chips competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI Vision Processing Chips breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and AI Vision Processing Chips market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces

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analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of AI Vision Processing Chips.

Chapter 14 and 15, to describe AI Vision Processing Chips sales channel, distributors, customers, research findings and conclusion.

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