

Global Vision Processing Unit (VPU) Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Vision Processing Unit (VPU) market size was valued at US\$ 2245 million in 2025 and is forecast to a readjusted size of US\$ 6978 million by 2032 with a CAGR of 17.8% during review period.

An AI Vision Processor is a specialized hardware component designed to perform advanced image and video processing tasks, often leveraging artificial intelligence (AI) and machine learning (ML) capabilities. These processors are optimized for handling the computationally intensive tasks required by modern computer vision applications, enabling real-time analysis and decision-making.

The Vision Processing Unit (VPU) market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

Market segmentation

Vision Processing Unit (VPU) market is split by Type and by Application. For the period 2026-2032, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type,

Dual-core

Quad-core

Market segment by Application

Automotive

Retail and e-commerce

Healthcare

Consumer Electronics

Other

Market segment by players, this report covers

Hailo

Texas Instruments

Ambarella

Black Sesame Technologies

Horizon

Huawei

Pixelworks

Axera Technology

Prophesee

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific (China, Japan, South Korea, Rest of Asia)

South America

Middle East & Africa

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