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Global Video Processing Unit ASIC Chip Market Growth 2026-2032

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Abstracts

The global Video Processing Unit ASIC Chip market size is predicted to grow from US$ 124 million in 2025 to US$ 349 million in 2032; it is expected to grow at a CAGR of 16.3% from 2026 to 2032.

Video Processing Unit, which is a video accelerator specially designed for AI scenarios. It has a built-in video encoding acceleration module with high performance, low power consumption, and low latency, bringing high-efficiency accelerated computing to video industry applications. The VPU chip is the data processing core unit of the entire board. The decoding, encoding, transcoding, and post-processing of video data are all completed in the VPU chip.

United States market for Video Processing Unit ASIC Chip is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Video Processing Unit ASIC Chip is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Video Processing Unit ASIC Chip is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Video Processing Unit ASIC Chip players cover Qualcomm, Google, NETINT, Meta, AMD, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Video Processing Unit ASIC Chip Industry Forecast? looks at past sales and reviews total world Video Processing

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Unit ASIC Chip sales in 2025, providing a comprehensive analysis by region and market sector of projected Video Processing Unit ASIC Chip sales for 2026 through 2032. With Video Processing Unit ASIC Chip sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Video Processing Unit ASIC Chip industry.

This Insight Report provides a comprehensive analysis of the global Video Processing Unit ASIC Chip 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 Video Processing Unit ASIC Chip portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Video Processing Unit ASIC Chip market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Video Processing Unit ASIC Chip 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 Video Processing Unit ASIC Chip.

This report presents a comprehensive overview, market shares, and growth opportunities of Video Processing Unit ASIC Chip market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

4K

8K

Segmentation by Application:

Mobile Phones

Computers

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Automobiles

Security

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.

Qualcomm

Google

NETINT

Meta

AMD

Tencent

Key Questions Addressed in this Report

What is the 10-year outlook for the global Video Processing Unit ASIC Chip market?

What factors are driving Video Processing Unit ASIC Chip market growth, globally and

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by region?
Which technologies are poised for the fastest growth by market and region?
How do Video Processing Unit ASIC Chip market opportunities vary by end market size?
How does Video Processing Unit ASIC Chip break out by Type, by Application?

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