

# Global Medium Computing Power Autonomous Driving SoC Chips Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/M8094E6FAEB7EN.html>

Date: August 2025

Pages: 102

Price: US\$ 3,480.00 (Single User License)

ID: M8094E6FAEB7EN

## Abstracts

According to our (Global Info Research) latest study, the global Medium Computing Power Autonomous Driving SoC Chips market size was valued at US\$ 2190 million in 2024 and is forecast to a readjusted size of USD 8220 million by 2031 with a CAGR of 20.8% during review period.

Medium computing power autonomous driving SoC chips (20~80TOPS) refer to specialized integrated circuits designed for autonomous driving systems, possessing moderate computing capabilities. These chips integrate various components such as CPUs, GPUs, NPUs (Neural Processing Units), and specialized accelerators for autonomous driving tasks onto a single silicon substrate. They are optimized to handle the complex computations required for autonomous driving functions, including but not limited to sensor fusion, object detection, path planning, and decision-making.

This report is a detailed and comprehensive analysis for global Medium Computing Power Autonomous Driving SoC 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 Medium Computing Power Autonomous Driving SoC Chips market size and

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

Global Medium Computing Power Autonomous Driving SoC Chips market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Medium Computing Power Autonomous Driving SoC 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 Medium Computing Power Autonomous Driving SoC 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 Medium Computing Power Autonomous Driving SoC 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 Medium Computing Power Autonomous Driving SoC 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 Nvidia, TI, Ambarella, Horizon Robotics, Black Sesame Technologies, Mobileye Global Inc, Tesla, HUAWEI, Cambricon Technologies, Qualcomm, etc.

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

## Market Segmentation

Medium Computing Power Autonomous Driving SoC 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

TOPS: 20 - 40

TOPS: 40 - 60

TOPS: 60 - 80

## Market segment by Application

Commercial Vehicles

Passenger Vehicles

## Major players covered

Nvidia

TI

Ambarella

Horizon Robotics

Black Sesame Technologies

Mobileye Global Inc

Tesla

HUAWEI

Cambricon Technologies

Qualcomm

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 Medium Computing Power Autonomous Driving SoC Chips product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Medium Computing Power Autonomous Driving SoC Chips, with price, sales quantity, revenue, and global market share of Medium Computing Power Autonomous Driving SoC Chips from 2020 to 2025.

Chapter 3, the Medium Computing Power Autonomous Driving SoC Chips competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Medium Computing Power Autonomous Driving SoC 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 Medium Computing Power Autonomous Driving SoC 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 analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Medium Computing Power Autonomous Driving SoC Chips.

Chapter 14 and 15, to describe Medium Computing Power Autonomous Driving SoC Chips sales channel, distributors, customers, research findings and conclusion.

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