

Global Automotive-grade Voice Recognition Chip 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 Automotive-grade Voice Recognition Chip market size was valued at US\$ 8902 million in 2024 and is forecast to a readjusted size of USD 14840 million by 2031 with a CAGR of 7.5% during review period.

Automotive-grade voice recognition chips refer to voice recognition chips that are designed and manufactured for automotive applications and meet the requirements of relevant automotive industry standards. Such chips need to maintain stable and reliable performance in harsh environments such as extreme temperature ranges, high vibration, high voltage, high humidity, EMI, etc., and usually pass the inspection of automotive industry quality standards such as AEC-Q series certification. Due to the extremely high requirements for automotive safety and reliability, any chip failure may lead to serious safety accidents. Therefore, automotive-grade voice recognition chips have higher quality requirements than consumer-grade or industrial-grade chips.

With the continuous development of intelligent driving and Internet of Vehicles technology, the market demand for automotive-grade voice recognition chips continues to grow. According to reports released by market research institutions, the scale of the global automotive voice recognition market continues to expand. For example, a report predicts that by 2029, the scale of the global automotive voice recognition market will reach a high level and grow at a certain compound annual growth rate. This shows that the automotive-grade voice recognition chip market has broad development prospects and huge market potential.

This report is a detailed and comprehensive analysis for global Automotive-grade Voice

Recognition Chip 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.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Key Features:

Global Automotive-grade Voice Recognition Chip market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive-grade Voice Recognition Chip market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive-grade Voice Recognition Chip market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive-grade Voice Recognition Chip market shares of main players, shipments in revenue (\$ Million), sales quantity (Million 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 Automotive-grade Voice Recognition Chip
- 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 Automotive-grade Voice Recognition Chip 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 Qualcomm, NXP, Renesas, TI, Infineon, Sensory, Bosch, Kneron, Huawei HiSilicon, Horizon Robotics, etc.

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

Market Segmentation

Automotive-grade Voice Recognition Chip 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

High Precision

Standard Precision

Market segment by Application

Automotive Voice control

In-vehicle Entertainment System

Intelligent Transportation System

In-vehicle Safety System

Others

Major players covered

Qualcomm

NXP

Renesas

TI

Infineon

Sensory

Bosch

Kneron

Huawei HiSilicon

Horizon Robotics

Black Sesame Intelligence

CoreChi Technology

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 Automotive-grade Voice Recognition Chip product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive-grade Voice Recognition Chip, with price, sales quantity, revenue, and global market share of Automotive-grade Voice Recognition Chip from 2020 to 2025.

Chapter 3, the Automotive-grade Voice Recognition Chip competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive-grade Voice Recognition Chip 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 Automotive-grade Voice Recognition Chip 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 Automotive-grade Voice Recognition Chip.

Chapter 14 and 15, to describe Automotive-grade Voice Recognition Chip sales channel, distributors, customers, research findings and conclusion.

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