

Global Automotive DVR SoC Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Automotive DVR SoC market size is expected to reach \$ 557 million by 2032, rising at a market growth of 6.2% CAGR during the forecast period (2026-2032).

In 2025, global sales of Automotive DVR SoC reached approximately 120 million units, with an average market price of about USD 3 per unit, an annual production capacity of roughly 140 million units, and an industry-average gross margin of approximately 35%.

An Automotive DVR SoC is a highly integrated automotive or quasi-automotive system-on-chip that combines video inputs, ISP, video encoding/decoding (e.g., H.264/H.265), memory control, display output, and basic AI/image enhancement to capture, process, compress, and store driving video with a focus on stability, low power, and cost efficiency.

Upstream comprises foundries (mature nodes), packaging/testing, IP blocks (ISP/codec), and memory; midstream covers SoC design plus software/SDKs; downstream demand comes mainly from aftermarket dashcams, fleet/commercial vehicle monitoring, and some entry-level front-fit camera systems, with aftermarket and fleet segments driving most volumes.

This report studies the global Automotive DVR SoC production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Automotive DVR SoC and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Automotive DVR SoC that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Automotive DVR SoC total production and demand, 2021-2032, (K Units)

Global Automotive DVR SoC total production value, 2021-2032, (USD Million)

Global Automotive DVR SoC production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Automotive DVR SoC consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Automotive DVR SoC domestic production, consumption, key domestic manufacturers and share

Global Automotive DVR SoC production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Automotive DVR SoC production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Automotive DVR SoC production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Automotive DVR SoC market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Renesas, HiSilicon, Novatek Microelectronics, Ambarella, SigmaStar, Shanghai Fullhan, iCatch, Allwinner, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Automotive DVR SoC market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Automotive DVR SoC Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Automotive DVR SoC Market, Segmentation by Type:

Single-channel

Dual-channel

Global Automotive DVR SoC Market, Segmentation by Resolution:

1080p

2K

4K

Global Automotive DVR SoC Market, Segmentation by Application:

Passenger Vehicles

Commercial Vehicles

Companies Profiled:

Renesas

HiSilicon

Novatek Microelectronics

Ambarella

SigmaStar

Shanghai Fullhan

iCatch

Allwinner

Key Questions Answered:

1. How big is the global Automotive DVR SoC market?
2. What is the demand of the global Automotive DVR SoC market?
3. What is the year over year growth of the global Automotive DVR SoC market?
4. What is the production and production value of the global Automotive DVR SoC market?
5. Who are the key producers in the global Automotive DVR SoC market?
6. What are the growth factors driving the market demand?

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