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Global Vehicle-Road Coordination Signal Terminal Market Growth 2026-2032

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Abstracts

The global Vehicle-Road Coordination Signal Terminal market size is predicted to grow from US$ 196 million in 2025 to US$ 857 million in 2032; it is expected to grow at a CAGR of 23.7% from 2026 to 2032.

Vehicle-Road Coordination Signal Terminal is an intelligent roadside traffic control device designed to enable deep integration and coordinated operation between traffic signal systems, vehicles, and transportation management platforms. It supports real-time bidirectional information exchange and cooperative decision-making by integrating communication modules, embedded control systems, and vehicle-road coordination algorithms. The system is optimized for dynamic traffic environments, enabling adaptive signal control, intersection-level traffic optimization, and enhanced vehicle-road interaction efficiency across urban and highway networks. Its advantages include improved traffic throughput, higher signal coordination precision, strong communication reliability, and robust adaptability to complex multi-intersection scenarios. In 2025, the capacity utilization rate was 76%, and the industry?s average gross margin was approximately 30%. Production in 2025 was 50,000 units with an average price of 4000 USD per unit. The upstream primarily consists of MCU chips, 5G/C-V2X communication modules, copper, and aluminum alloys, with representative suppliers including NXP, STMicroelectronics, Qualcomm, Huawei, and ZTE. The midstream focuses on vehicle-road coordination system integration, signal control algorithm development, embedded hardware assembly, and cooperative communication protocol optimization to ensure stable and synchronized operation. The downstream is mainly concentrated in highway and urban road traffic systems, with representative customers including China Communications Construction, China Railway Construction, and Kapsch TrafficCom.

United States market for Vehicle-Road Coordination Signal Terminal is estimated to

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increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Vehicle-Road Coordination Signal Terminal 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 Vehicle-Road Coordination Signal Terminal is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Vehicle-Road Coordination Signal Terminal players cover Hisense (China), Yihua Tech (China), LES Information (China), Hikvision (China), Dahua (China), 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 ?Vehicle-Road Coordination Signal Terminal Industry Forecast? looks at past sales and reviews total world Vehicle-Road Coordination Signal Terminal sales in 2025, providing a comprehensive analysis by region and market sector of projected Vehicle-Road Coordination Signal Terminal sales for 2026 through 2032. With Vehicle-Road Coordination Signal Terminal sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Vehicle-Road Coordination Signal Terminal industry.

This Insight Report provides a comprehensive analysis of the global Vehicle-Road Coordination Signal Terminal 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 Vehicle-Road Coordination Signal Terminal portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Vehicle-Road Coordination Signal Terminal market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Vehicle-Road Coordination Signal Terminal 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

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nuanced view of the current state and future trajectory in the global Vehicle-Road Coordination Signal Terminal.

This report presents a comprehensive overview, market shares, and growth opportunities of Vehicle-Road Coordination Signal Terminal market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

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