

Global Roadside Cooperative Signal Communication Terminal Market Growth 2026-2032

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Abstracts

The global Roadside Cooperative Signal Communication 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.

Roadside Cooperative Signal Communication Terminal is an intelligent roadside traffic control device designed to enable coordinated signal management and real-time information exchange between traffic lights, vehicles, and traffic management platforms. It integrates communication modules, embedded control systems, and cooperative algorithms to support dynamic signal optimization, traffic flow coordination, and vehicle-road interaction in complex urban and highway environments. Its advantages include improved traffic efficiency, enhanced signal coordination accuracy, strong communication stability, and high adaptability to multi-intersection and multi-scenario traffic conditions. 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 traffic signal control system integration, cooperative communication protocol development, embedded hardware assembly, and traffic optimization algorithm deployment to ensure coordinated and stable 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 Roadside Cooperative Signal Communication Terminal 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 Roadside Cooperative Signal Communication 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 Roadside Cooperative Signal Communication 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 Roadside Cooperative Signal Communication 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 "Roadside Cooperative Signal Communication Terminal Industry Forecast" looks at past sales and reviews total world Roadside Cooperative Signal Communication Terminal sales in 2025, providing a comprehensive analysis by region and market sector of projected Roadside Cooperative Signal Communication Terminal sales for 2026 through 2032. With Roadside Cooperative Signal Communication Terminal sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Roadside Cooperative Signal Communication Terminal industry.

This Insight Report provides a comprehensive analysis of the global Roadside Cooperative Signal Communication 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 Roadside Cooperative Signal Communication Terminal portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Roadside Cooperative Signal Communication Terminal market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Roadside Cooperative Signal Communication 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 nuanced view of the current state and future trajectory in the global

Roadside Cooperative Signal Communication Terminal.

This report presents a comprehensive overview, market shares, and growth opportunities of Roadside Cooperative Signal Communication Terminal market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

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