

Global On-board Network Video Recorder(NVR) Market Growth 2025-2031

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Abstracts

The global On-board Network Video Recorder(NVR) market size is predicted to grow from US\$ 2098 million in 2025 to US\$ 3159 million in 2031; it is expected to grow at a CAGR of 7.1% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

In-vehicle wireless network hard disk video recorders (DVRs) are widely used in public transportation, logistics, police vehicles and intelligent transportation systems, as well as rail transportation such as trains. Combined with the number of cameras installed in Chinese passenger cars (72 million in 2023, 84.24 million expected in 2024, CAGR 17%) and the average cost of a single DVR (about US\$100-200), and referring to the size of China's in-vehicle video recorder market (estimated to be about RMB 5-7 billion in 2024, equivalent to US\$700-1 billion), and the penetration rate of mature markets such as Europe, the United States and Japan (about 30%-40%), the global in-vehicle wireless network hard disk video recorder market size is expected to be in the range of US\$2 billion in 2024. In the next three years, it will benefit from autonomous driving (ADAS/DMS demand), 5G popularization (low-latency transmission) and smart transportation policies (such as China's '14th Five-Year Plan' intelligent connected vehicle plan), and is expected to exceed US\$2.15 billion in 2025.

United States market for On-board Network Video Recorder(NVR) is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for On-board Network Video Recorder(NVR) is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for On-board Network Video Recorder(NVR) is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key On-board Network Video Recorder(NVR) players cover Moxa, Vivotek (Delta Group), i-PRO (Formerly Panasonic Security), Televic, Canyon, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "On-board Network Video Recorder(NVR) Industry Forecast" looks at past sales and reviews total world On-board Network Video Recorder(NVR) sales in 2024, providing a comprehensive analysis by region and market sector of projected On-board Network Video Recorder(NVR) sales for 2025 through 2031. With On-board Network Video Recorder(NVR) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world On-board Network Video Recorder(NVR) industry.

This Insight Report provides a comprehensive analysis of the global On-board Network Video Recorder(NVR) 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 On-board Network Video Recorder(NVR) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global On-board Network Video Recorder(NVR) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for On-board Network Video Recorder(NVR) 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 On-board Network Video Recorder(NVR).

This report presents a comprehensive overview, market shares, and growth opportunities of On-board Network Video Recorder(NVR) market by product type,

application, key manufacturers and key regions and countries.

Segmentation by Type:

Number of Access Channels: 4

Number of Access Channels: 8

Number of Access Channels: 12

Number of Access Channels: 16

Others

Segmentation by Application:

Automotives

Rail Transit

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Moxa

Vivotek (Delta Group)

i-PRO (Formerly Panasonic Security)

Televic

Canyon

Petards Rails

AAEON

Lilin

Hikvision

Dahua

STONKAM

China Railway Signal & Communication

Shenzhen Ultravision

Guangzhou Veise

Beijing Tujingjia Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global On-board Network Video Recorder(NVR) market?

What factors are driving On-board Network Video Recorder(NVR) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do On-board Network Video Recorder(NVR) market opportunities vary by end market size?

How does On-board Network Video Recorder(NVR) break out by Type, by Application?

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