

Global Vehicle-mounted Infrared Night Vision 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 Vehicle-mounted Infrared Night Vision market size was valued at US\$ 9341 million in 2024 and is forecast to a readjusted size of USD 16230 million by 2031 with a CAGR of 8.3% during review period.

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.

Vehicle-mounted infrared night vision is an advanced visual assistance technology installed on vehicles. It leverages infrared detection to enhance the vehicle's visual capabilities in low-light or nighttime environments, primarily applied to assist driving and intelligent driving systems. Its core competency lies in the infrared detector's ability to perceive infrared radiation emitted by objects, primarily involving two spectral bands: near-infrared and long-wave infrared.

This report is a detailed and comprehensive analysis for global Vehicle-mounted Infrared Night Vision 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.

Key Features:

Global Vehicle-mounted Infrared Night Vision market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Vehicle-mounted Infrared Night Vision market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Vehicle-mounted Infrared Night Vision market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Vehicle-mounted Infrared Night Vision market shares of main players, shipments in revenue (\$ Million), sales quantity (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 Vehicle-mounted Infrared Night Vision

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 Vehicle-mounted Infrared Night Vision 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 IRay Technology Co., Ltd., SATIR, Thermal Master, Lanmodo, P-PAC, KYOCERA Corporation, FOCUS 2001 INFRARED LTD, Speedir, Inc., NightRide Thermal Inc, SENMUOPT, etc.

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

Market Segmentation

Vehicle-mounted Infrared Night Vision 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

Active Type

Passive Type

Market segment by Application

Passenger Vehicle

Commercial Vehicle

Special Purpose Vehicle

Others

Major players covered

IRay Technology Co., Ltd.

SATIR

Thermal Master

Lanmodo

P-PAC

KYOCERA Corporation

FOCUS 2001 INFRARED LTD

Speedir, Inc.

NightRide Thermal Inc

SENMUOPT

ZTLC

DALI 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 Vehicle-mounted Infrared Night Vision product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Vehicle-mounted Infrared Night Vision, with price, sales quantity, revenue, and global market share of Vehicle-mounted Infrared Night Vision from 2020 to 2025.

Chapter 3, the Vehicle-mounted Infrared Night Vision competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Vehicle-mounted Infrared Night Vision 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 Vehicle-mounted Infrared Night Vision 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 Vehicle-mounted Infrared Night Vision.

Chapter 14 and 15, to describe Vehicle-mounted Infrared Night Vision sales channel, distributors, customers, research findings and conclusion.

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