

# Global Night Vision Optical Systems Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GC4965695043EN.html>

Date: October 2025

Pages: 107

Price: US\$ 3,480.00 (Single User License)

ID: GC4965695043EN

## Abstracts

According to our (Global Info Research) latest study, the global Night Vision Optical Systems market size was valued at US\$ 1304 million in 2024 and is forecast to a readjusted size of USD 1744 million by 2031 with a CAGR of 4.3% 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.

Night vision optical system is an optical system that uses photoelectric technology to enhance or reconstruct visual images in low-light or completely dark environments. This system usually detects and displays the image of the target object by collecting and amplifying the weak light in the environment (such as starlight, moonlight) or using infrared and thermal imaging technology, so that users can see the object at night or in low light conditions.

This report is a detailed and comprehensive analysis for global Night Vision Optical Systems 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 Night Vision Optical Systems market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

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

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

Global Night Vision Optical Systems market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Night Vision Optical Systems
- 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 Night Vision Optical Systems 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 InfiRay, BAE Systems, Excelitas, Hamamatsu, Sensors Unlimited, Shilat Optronics, Alpha Optics, 3E, Transvaro, SIONYX, etc.

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

## Market Segmentation

Night Vision Optical Systems 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

Low Light Night Vision System

Infrared Night Vision System

Others

## Market segment by Application

Marine Operations

Military Field

Others

## Major players covered

InfiRay

BAE Systems

Excelitas

Hamamatsu

Sensors Unlimited

Shilat Optronics

Alpha Optics

3E

Transvaro

SIONYX

Theon International

Dakingnv

OnickOptics

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 Night Vision Optical Systems product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Night Vision Optical Systems 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 Night Vision Optical Systems 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 Night Vision Optical Systems.

Chapter 14 and 15, to describe Night Vision Optical Systems sales channel, distributors, customers, research findings and conclusion.

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