

Night Vision Device Market by Product Type (Cameras, Goggles, Scopes, Binoculars & Monoculars), Technology (Thermal Imaging, Image Intensifier, Infrared, Digital), Mounting Type (Stationary, Portable), Application & Region - Global Forecast to 2028

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Abstracts

The global night vision devices market was valued at USD 7.5 billion in 2023 and is estimated to reach USD 11.2 billion by 2028, registering a CAGR of 8.4% during the forecast period. The increasing demand for night vision devices due to their crucial roles in military, law enforcement, wildlife observation, and outdoor activities, along with advancements in technology and cost reduction, making them more accessible for various applications. Advances in night vision technology, such as improved image quality, reduced size and weight, and enhanced durability, have made these devices more accessible and appealing to a broader range of users are the major driving factors for the growth of the night vision devices market. The need for advanced night vision capabilities for surveillance, navigation, and targeting in low-light or nighttime conditions remains a significant driver for the industry.

“Stationary segment is expected to account at the largest market size during the forecast period.”

The stationary segment is expected to account largest market share in the night vision devices market. , Stationary night vision devices are equipped with night vision technology and are typically mounted on walls, poles, buildings, or other structures to monitor and record activity in a specific area during nighttime hours. These devices have common applications in border security, commercial surveillance and are used for

security and monitoring purposes. Many stationary night vision cameras boast advanced features, including high-resolution imaging and extended detection ranges, rendering them versatile for an array of security and surveillance applications. Lastly, these devices are often viewed as cost-effective solutions for scenarios demanding sustained surveillance and monitoring over extended periods.

“Law enforcement segment is projected to dominate the night vision devices market.”

The market for night vision devices, particularly in law enforcement and military and defense applications, is primarily driven by the need for enhanced nighttime surveillance and operational capabilities. In law enforcement, these devices are indispensable for improving situational awareness and response during nocturnal operations, ensuring the safety of officers and the public. The military and defense sector relies on night vision technology for reconnaissance, target acquisition, navigation, and tactical advantage in low-light or nighttime conditions, contributing significantly to mission success and soldier safety.

Additionally, ongoing technological advancements have resulted in more compact, durable, and high-performance night vision devices, making them increasingly valuable tools for these sectors. The urgency of addressing evolving security threats and the demand for counter-terrorism operations further bolster the market. As these sectors prioritize the integration of cutting-edge night vision technology into their operations, the market is expected to continue to expand and diversify, with a focus on improved functionality, interoperability, and adaptability to diverse operational environments..

“China is projected to dominate in Asia Pacific region for night vision devices market”

China is having the largest market share in the night vision devices market due to several factors. China is one of the fastest-growing economies worldwide, with a huge population base and steadily increasing per capita income. The country has witnessed a growing demand for enhanced security and surveillance solutions, leading to increased adoption of night vision devices for applications, such as border control, critical infrastructure protection, and public safety. China’s extensive coastline and maritime interests require night vision technology for maritime surveillance, border protection, military modernization, and law enforcement. The country also has vast commercial space, including critical infrastructures and institutions, public places, factories, and low-cost manufacturing units.

In-depth interviews have been conducted with chief executive officers (CEOs),

Directors, and other executives from various key organizations operating in the night vision devices market place.

By Company Type: Tier 1 – 25%, Tier 2 – 35%, and Tier 3 – 40%

By Designation: C-level Executives – 35%, Directors – 25%, and Others – 40%

By Region: North America– 25%, Europe – 25%, Asia Pacific– 45% and RoW-10%

Teledyne FLIR LLC, L3Harris Technologies Inc, RTX, BAE Systems, Elbit Systems Ltd, Leonardo S.P.A, and Thales and are some of the key players in the night vision devices market.

The study includes an in-depth competitive analysis of these key players in the night vision devices market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This research report categorizes the night vision devices market by component, pixel, focus type, interface, application and region, and by region (North America, Europe, Asia Pacific, and RoW). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the night vision devices market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, agreements. new product & service launches, mergers and acquisitions, and recent developments associated with the night vision devices market. Competitive analysis of upcoming startups in the night vision devices market ecosystem is covered in this report.

Reasons to buy this report

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall night vision devices market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand

the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

This new version of the report on the night vision devices market includes the following:

Market size from 2019 to 2028

Average selling prices (ASPs) of night vision devices calculated by the weighted average method

Updated research assumptions and limitations

Information related to trends/disruptions impacting businesses of customers, as well as information on the ecosystem of night vision devices, trade analysis, tariff and regulatory analyses, technology analysis, patents analysis, and case studies pertaining to the night vision devices market.

Updated financial information until 2022 (depending on the availability) for each listed company, which helps in the easy analysis of the present status of the profiled companies in terms of their financial strength, profitability, key revenue-generating regions/countries, and the highest revenue-generating business segments.

Recent developments that help assess market trends and growth strategies adopted by leading market players

Key manufacturers offering night vision devices; top 25 manufacturers of night vision devices, which are categorized into star, pervasive, emerging leader, and participant companies based on their performance on various parameters such as product footprint, focus on product innovations, and geographic footprint.

Market share analysis of various players operating in the night vision devices market for 2022

Small- and medium-sized enterprises (SME) matrix that brief some business strategies and product offerings of 15 SME players operating in the market,

which are classified into four groups: progressive, dynamic, responsive companies, and starting blocks

Brief information regarding the competitive situations and trends in the night vision devices market

The product, application, and geographic footprints of the top 25 manufacturers of night vision devices
Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the night vision devices market

Market Development: Comprehensive information about lucrative markets – the report analyses the night vision devices market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the night vision devices market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like as Teledyne FLIR LLC, L3Harris Technologies Inc, RTX, BAE Systems, Elbit Systems Ltd, Leonardo S.P.A, and Thales among others in the night vision devices market.

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