

Night Vision Devices Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global night vision devices market size reached US\$ 10.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 14.5 Billion by 2028, exhibiting a growth rate (CAGR) of 5.9% during 2023-2028.

Night vision devices (NVDs) assist in amplifying the gamma, infrared and ultraviolet light to produce an accurate and user-friendly image in the dark environment. These devices have navigation and targeting capabilities and are made using an objective lens, image intensifier tube (IIT) screen, eyepiece and power source. NVDs rely on the objective lens to gather light particles coming from the object and aid in focusing these particles on the IIT screen to form an image. Owing to their attributes, these devices are widely used by security agencies to enhance visual capabilities during nighttime.

Market Trends:

With increasing terrorist threats and unlawful activities, security screening has become mandatory at places such as airports, railway stations, stadiums, border checkpoints and other public areas. As night vision devices help to navigate, observe, detect and target intruders and trespassers, their demand is increasing across the globe. Apart from this, NVDs are used by wildlife biologists and photographers to study animal behavior. For instance, thermal imaging devices that are able to work in absolute darkness have enabled photographers to capture unusual activities of nocturnal animals. Some of the other factors anticipated to impel the market growth over the forecast period include reduced costs, enhanced designs, convenience and

technological advancements offering improved overall performance.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global night vision devices market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on device, technology and end user.

Breakup by Device:

- Goggles
- Cameras
- Scopes
- Others

Currently, goggles represent the most popular night vision devices as they amplify available light using the image enhancement technology.

Breakup by Technology:

- Image Intensifier
- Thermal Imaging
- Infrared Illumination

At present, image intensifier represent the largest segment.

Breakup by End User:

- Military Segment
- Civil Segment

The military segment currently accounts for the majority of the total market share as major military forces in the United States, Russia, China, India and North Korea are increasing their expenditure on defense.

Regional Insights:

- Europe

North America

Asia Pacific

Middle East and Africa

Latin America

North America enjoys a leading position in the global night vision devices market on account of the rising cross-border drug trafficking and smuggling activities in the region.

Competitive Landscape:

The competitive landscape of the market has been analyzed along with detailed profiles of the major players operating in the industry. Some of the key players covered in this report are:

FLIR Systems, Inc.

L3Harris Technologies, Inc.

Elbit Systems of America, LLC

American Technologies Network Corporation

Key Questions Answered in This Report:

How has the global night vision devices market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global night vision devices market?

Which are the popular devices?

What are the key end user?

What are the major technologies?

What are the price trends of night vision devices?

What are the various stages in the value chain of the global night vision devices market?

What are the key driving factors and challenges in the global night vision devices market?

What is the structure of the global night vision devices market and who are the key players?

What is the degree of competition in the global night vision devices market?

How are night vision devices manufactured?

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