+357 96 030922
info@marketpublishers.com

Global Military Electro-optical and Infrared Systems Market Size Study, by Platform, Application, Imaging Technology, Cooling Technology, Sensor Technology, Component, and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G669E5C23D26EN.html
Date: February 2025
Pages: 285
Price: US$ 3,218.00 (Single User License)
ID: G669E5C23D26EN

Abstracts

The Global Military Electro-optical and Infrared (EO/IR) Systems Market was valued at approximately USD 8.25 billion in 2023 and is projected to expand at a CAGR of 4.20% over the forecast period 2024-2032. As modern warfare evolves, the integration of EO/IR systems into defense operations has become indispensable. These advanced sensor technologies enable superior situational awareness, surveillance, target acquisition, and reconnaissance capabilities, enhancing operational effectiveness across multiple military domains. The increasing emphasis on battlefield intelligence, coupled with the demand for high-precision targeting and threat detection, is propelling the adoption of EO/IR systems in land, air, and naval defense applications.

The growing geopolitical tensions and escalating defense budgets worldwide are fueling substantial investments in next-generation EO/IR technologies. Key military forces are integrating these systems into unmanned aerial vehicles (UAVs), combat aircraft, naval vessels, and ground-based platforms to reinforce reconnaissance, intelligence gathering, and missile guidance capabilities. Additionally, advancements in sensor fusion, artificial intelligence (AI)-powered image processing, and infrared (IR) countermeasure technologies are revolutionizing military EO/IR applications. However, challenges such as high procurement costs, sensor calibration complexities, and the need for continuous system upgrades may pose constraints on widespread adoption.

Regionally, North America dominates the military EO/IR systems market, owing to its extensive defense spending, technological leadership, and strong presence of defense contractors. The European market is experiencing steady growth, primarily driven by

+357 96 030922
info@marketpublishers.com

NATO’s modernization initiatives and increasing procurement of advanced surveillance and targeting systems. Meanwhile, Asia Pacific is witnessing the fastest expansion, as countries like China, India, and Japan enhance their military intelligence and reconnaissance capabilities in response to regional security threats. The Middle East & Africa and Latin America are also emerging as key markets, with growing investments in border surveillance and counterterrorism operations.

The competitive landscape of the Global Military EO/IR Systems Market is shaped by continuous technological advancements, defense modernization programs, and strategic partnerships between government agencies and private defense contractors. Leading players are focused on developing AI-driven targeting systems, high-resolution thermal imaging sensors, and multi-spectral surveillance solutions to meet evolving military requirements. As defense forces prioritize real-time intelligence and precision targeting, the demand for EO/IR systems is expected to surge, reinforcing their role as a critical enabler of modern military operations.

Major Market Players Included in This Report:

Lockheed Martin Corporation

Raytheon Technologies Corporation

BAE Systems PLC

L3Harris Technologies, Inc.

Northrop Grumman Corporation

Thales Group

FLIR Systems, Inc. (Teledyne FLIR)

Leonardo S.p.A.

Safran Group

Elbit Systems Ltd.

Rheinmetall AG

+357 96 030922
info@marketpublishers.com

ASELSAN A.?.

Hensoldt AG

Israel Aerospace Industries Ltd. (IAI)

General Dynamics Corporation

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Platform:

Airborne

o Unmanned Aerial Vehicles (UAVs)

o Fighter Jets

o Helicopters

Land-Based

o Armored Vehicles

o Soldier Systems

o Ground-based Surveillance

Naval

o Submarines

o Surface Ships

+357 96 030922
info@marketpublishers.com

o Coastal Surveillance

By Application:

- Targeting & Tracking
- Intelligence, Surveillance & Reconnaissance (ISR)
- Missile Guidance
- Navigation & Situational Awareness
- Electronic Warfare

By Imaging Technology:

- Thermal Imaging
- Hyperspectral Imaging
- Multispectral Imaging

By Cooling Technology:

- Cooled Infrared Systems
- Uncooled Infrared Systems

By Sensor Technology:

- Staring Sensors
- Scanning Sensors

By Component:

+357 96 030922
info@marketpublishers.com

- Cameras & Sensors
- Infrared Detectors
- Laser Range Finders
- Image Intensifiers
- Control Electronics
- Others

By Region:

North America

- U.S.
- Canada

Europe

- UK
- Germany
- France
- Spain
- Italy
- Rest of Europe

Asia Pacific

+357 96 030922
info@marketpublishers.com

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

UAE

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

Base Year: 2023

+357 96 030922
info@marketpublishers.com

Forecast Period: 2024-2032

Key Takeaways:

Market Estimates & Forecasts for 10 years from 2022 to 2032.

Annualized revenue projections and regional-level analysis for each market segment.

Comprehensive insights into the geographical landscape with country-level analysis.

Competitive analysis of major market players and their strategic developments.

In-depth analysis of market dynamics, challenges, trends, and growth opportunities.

Recommendations on business strategies to capitalize on emerging market trends.

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Military Electro-optical and Infrared Systems Market Size Study, by Platform, Application, Imaging Technology, Cooling Technology, Sensor Technology, Component, and Regional Forecasts 2022-2032

Product link: https://marketpublishers.com/r/G669E5C23D26EN.html

Price: US$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G669E5C23D26EN.html