

Global Short Wavelength Infrared (LWIR) Cameras and Core Modules Market Growth 2026-2032

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Abstracts

The global Short Wavelength Infrared (LWIR) Cameras and Core Modules market size is predicted to grow from US\$ 168 million in 2025 to US\$ 236 million in 2032; it is expected to grow at a CAGR of 5.1% from 2026 to 2032.

Short-wave infrared (SWIR) has a wavelength range of 0.7 to 2.5 micrometers. A short wavelength infrared camera is a device capable of receiving and capturing short-wave infrared radiation, converting it into visible images or video signals. It primarily images by receiving short-wave infrared reflected from objects. Short-wave infrared light has strong penetration capabilities, capable of penetrating through obstacles such as some types of smoke, ensuring the clarity of the image. The short wavelength infrared module is its core component, mainly consisting of a short-wave infrared detector and circuit structure, which processes the received signals and communicates and transmits them with external devices.

United States market for Short Wavelength Infrared (LWIR) Cameras and Core Modules is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Short Wavelength Infrared (LWIR) Cameras and Core Modules is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Short Wavelength Infrared (LWIR) Cameras and Core Modules is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Short Wavelength Infrared (LWIR) Cameras and Core Modules players cover Exosens, Vision Datum, Axiom Optics, Tempens Instrument Pvt. Ltd., Quantum Design Inc., etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Short Wavelength Infrared (LWIR) Cameras and Core Modules Industry Forecast" looks at past sales and reviews total world Short Wavelength Infrared (LWIR) Cameras and Core Modules sales in 2025, providing a comprehensive analysis by region and market sector of projected Short Wavelength Infrared (LWIR) Cameras and Core Modules sales for 2026 through 2032. With Short Wavelength Infrared (LWIR) Cameras and Core Modules sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Short Wavelength Infrared (LWIR) Cameras and Core Modules industry.

This Insight Report provides a comprehensive analysis of the global Short Wavelength Infrared (LWIR) Cameras and Core Modules landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Short Wavelength Infrared (LWIR) Cameras and Core Modules portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Short Wavelength Infrared (LWIR) Cameras and Core Modules market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Short Wavelength Infrared (LWIR) Cameras and Core Modules and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Short Wavelength Infrared (LWIR) Cameras and Core Modules.

This report presents a comprehensive overview, market shares, and growth opportunities of Short Wavelength Infrared (LWIR) Cameras and Core Modules market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Cooled

Uncooled

Segmentation by Application:

Security Monitoring

Temperature Detection

Military

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Exosens

Vision Datum

Axiom Optics

Tempsens Instrument Pvt. Ltd.

Quantum Design Inc.

Beijing FJR Opto-electronic Technology Co., Ltd.

North Night Vision Science & Technology (Nanjing) Research Institute Co., Ltd.

New Imaging Technologies (NIT)

Key Questions Addressed in this Report

What is the 10-year outlook for the global Short Wavelength Infrared (LWIR) Cameras and Core Modules market?

What factors are driving Short Wavelength Infrared (LWIR) Cameras and Core Modules market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Short Wavelength Infrared (LWIR) Cameras and Core Modules market opportunities vary by end market size?

How does Short Wavelength Infrared (LWIR) Cameras and Core Modules break out by Type, by Application?

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