+357 96 030922
info@marketpublishers.com

Global Long Wave Infrared Detector Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

https://marketpublishers.com/r/GAF8076D6B73EN.html
Date: September 2026
Pages: 127
Price: US$ 3,480.00 (Single User License)
ID: GAF8076D6B73EN

Abstracts

According to our (Global Info Research) latest study, the global
Long Wave Infrared Detector market size was valued at US$ 2933 million in 2025 and is forecast to a readjusted size of US$ 4814 million by 2032 with a CAGR of 7.3% during review period.

Long-Wave Infrared Detectors are infrared sensing devices designed to detect thermal radiation in the long-wave infrared band, typically around 8–14 ?m. Long-Wave Infrared Detectors are used to convert thermal radiation into electrical signals for thermal imaging, non-contact temperature measurement, presence detection, gas analysis, flame detection, night vision, industrial monitoring, defense observation, and advanced sensing systems. This market focuses on detector-level products and directly integrated detector modules, including uncooled microbolometer focal plane arrays, VOx and a-Si detectors, cooled LWIR photon detectors, MCT and T2SL detectors, thermopile detectors, thermopile arrays, pyroelectric infrared detectors, integrated dewar cooler assemblies, packaged detectors, and detector-level thermal imaging cores. The core value of Long-Wave Infrared Detectors lies in sensitivity, array resolution, pixel pitch, packaging reliability, thermal stability, calibration performance, and the ability to support compact thermal sensing systems across industrial, defense, automotive, energy, security, medical, and smart building applications.

Key Findings

Uncooled microbolometers account for about 58% of the technology structure

+357 96 030922
info@marketpublishers.com

Detector modules and thermal cores represent the largest product-form segment

Industrial thermography and inspection is the largest downstream application

North America and China are the two largest regional demand centers

China is becoming a major supply base for uncooled infrared focal plane arrays

Market Trends

The Long-Wave Infrared Detectors market is moving toward smaller pixel pitch, higher array resolution, wafer-level vacuum packaging, lower NETD, lower power consumption, and more application-specific detector modules. Uncooled detectors are shifting from legacy 17 ?m and 12 ?m designs toward 10 ?m, 8 ?m, and emerging 6 ?m architectures, enabling smaller optics and more compact thermal imaging cores. At the same time, the application base is expanding from traditional defense and industrial thermography into energy storage safety, photovoltaic inspection, automotive thermal perception, robotics, UAV payloads, smart building presence detection, medical temperature sensing, and gas imaging.

Market Dynamics

Drivers

Demand is driven by industrial safety monitoring, power equipment inspection, battery and energy storage safety, defense modernization, automotive night vision and thermal perception, robotics, drones, smart building sensing, and wider adoption of compact thermal imaging modules. Long-Wave Infrared Detectors enable continuous temperature monitoring, low-visibility perception, passive night observation, and non-contact thermal diagnostics, which makes them increasingly relevant in both high-reliability professional systems and cost-sensitive commercial devices.

Restraints

The market is restrained by high technology barriers, export-control sensitivity, capital-

+357 96 030922
info@marketpublishers.com

intensive wafer fabrication, complex calibration requirements, and strict reliability expectations. Revenue separation is also difficult because detectors are often sold as part of thermal imaging cores, camera modules, finished thermal cameras, or defense systems. For cooled LWIR detectors, high production cost, cryogenic cooling requirements, and long qualification cycles remain major barriers, while thermopile and pyroelectric products face price pressure and commoditization in high-volume sensing applications.

Opportunities

Key opportunities are concentrated in small-pixel uncooled FPAs, wafer-level packaged detectors, automotive-grade thermal sensing, industrial online thermography, energy storage monitoring, gas imaging, robotic perception, UAV thermal payloads, smart building occupancy detection, and domestic substitution in China. Automotive and mobility applications are especially attractive because thermal sensing can complement visible cameras, radar, and LiDAR under darkness, glare, smoke, fog, or poor weather. Energy storage and photovoltaic systems are also creating new demand for early warning thermal monitoring.

Challenges

The main challenges include improving sensitivity while shrinking pixel pitch, maintaining high operability, reducing fixed-pattern noise, ensuring long-term vacuum package reliability, stabilizing calibration performance across temperature, and meeting automotive or defense-grade qualification requirements. For uncooled detectors, smaller pixels increase the importance of material performance, MEMS structure design, ROIC capability, and packaging consistency. For cooled detectors, material uniformity, cryocooler reliability, integration complexity, and production cost remain key technical and commercial risks.

Industry Chain Analysis

The upstream chain includes VOx and a-Si thin-film materials, MEMS wafers, ROICs, MCT and T2SL epitaxial materials, ceramic and metal packages, wafer-level vacuum packaging materials, getters, infrared windows, thermoelectric coolers, cryocoolers, bonding materials, calibration equipment, and semiconductor process tools. These inputs determine detector sensitivity, yield, package reliability, and cost structure.

+357 96 030922
info@marketpublishers.com

Midstream manufacturers design and fabricate detector wafers, integrate readout circuits, form pixel structures, complete vacuum packaging, perform wafer-level sealing, conduct calibration and reliability testing, and deliver bare FPAs, packaged detectors, detector modules, integrated dewar cooler assemblies, thermopile arrays, pyroelectric detectors, and thermal imaging cores. Downstream customers include thermal camera manufacturers, industrial inspection equipment suppliers, defense system integrators, automotive Tier 1 suppliers, robotics companies, UAV payload suppliers, smart building system providers, energy storage integrators, gas analyzer manufacturers, flame detector companies, medical device makers, and scientific instrument suppliers.

Segment Insights

By technology, uncooled microbolometers are the largest segment, supported by wide use in industrial thermography, security, drones, handheld thermal imagers, automotive applications, and compact thermal modules. Cooled photon detectors represent a smaller but higher-value segment, mainly serving defense, aerospace, space, long-range observation, gas imaging, and scientific applications. Thermopile and pyroelectric detectors remain important in high-volume sensing applications, including gas detection, flame detection, presence detection, HVAC, and medical thermometry.

By product form, detector modules and thermal cores hold the largest share because many downstream customers prefer ready-to-integrate sensing blocks rather than bare detector chips. Bare FPAs and packaged detectors remain critical for customers with internal image processing, calibration, and system integration capabilities. By pixel pitch, 12 ?m remains a mainstream commercial category, while 10 ?m, 8 ?m, and smaller pixels represent the main direction for compactness and cost reduction.

Downstream Market Opportunities

The most attractive downstream opportunities are in industrial online thermal monitoring, energy storage safety, automotive thermal perception, robotic vision, UAV thermal payloads, smart building presence detection, gas imaging, and medical temperature sensing. Industrial customers are shifting from manual inspection toward fixed, networked, and AI-assisted thermal monitoring systems, while automotive and robotic applications increasingly require thermal perception as a complementary sensing layer under low-visibility conditions. Energy storage is becoming a particularly important opportunity because abnormal heating detection can support early warning

+357 96 030922
info@marketpublishers.com

and safety management.

Regional Insights

North America remains a leading demand region due to strong defense, aerospace, high-end sensing, industrial inspection, security, automotive, and scientific instrumentation requirements. China has become one of the most important growth and supply regions, supported by domestic uncooled FPA manufacturers, thermal imaging module suppliers, security applications, industrial monitoring, automotive exploration, energy storage safety, and import substitution. Europe remains strong in advanced detector technology, industrial infrared sensing, gas analysis, defense applications, and high-reliability thermal components.

Regional differentiation is increasingly clear. North America is stronger in defense-grade and high-end sensing demand, China is stronger in scale manufacturing and cost-effective uncooled detector modules, and Europe retains advantages in advanced detector materials, pyroelectric sensing, thermopile arrays, gas sensing, and industrial applications. Japan and South Korea contribute through precision sensing, automotive electronics, industrial automation, and electronic component supply chains.

Competitive Landscape Analysis

The competitive landscape includes global thermal imaging leaders, detector specialists, defense suppliers, and high-volume sensing component manufacturers. Teledyne FLIR, Lynred, Leonardo DRS, SCD, BAE Systems, Hamamatsu, VIGO Photonics, InfraTec, Excelitas, and Heimann Sensor are important global participants, while Raytron, Guide/GST, Dali Technology, and HIKMICRO are increasingly important in China’s uncooled infrared FPA and thermal imaging core supply chain. Competition is based on detector sensitivity, pixel pitch, resolution, NETD, operability, vacuum package reliability, wafer-level packaging capability, calibration performance, cost, supply stability, export-control exposure, and application-specific module support. Over the long term, the key competitive directions will be 8 ?m and 6 ?m small-pixel uncooled detectors, high-yield wafer-level packaging, automotive-grade LWIR sensing, integrated thermal cores, cooled LWIR detector localization, and deeper integration between detector design, ROIC development, calibration algorithms, and downstream system requirements.

+357 96 030922
info@marketpublishers.com

Report Scope

This report is a detailed and comprehensive analysis for global Long Wave Infrared Detector market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Array Resolution 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 Long Wave Infrared Detector market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Long Wave Infrared Detector market size and forecasts by region and country, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Long Wave Infrared Detector market size and forecasts, by Array Resolution and by Application, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2021-2032

Global Long Wave Infrared Detector market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2021-2026

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 Long Wave Infrared Detector

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

+357 96 030922
info@marketpublishers.com

This report profiles key players in the global Long Wave Infrared Detector 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 Teledyne FLIR, Lynred, Raytron Technology, Leonardo DRS, Wuhan Guide Sensmart, Dali Technology, SCD – SemiConductor Devices, BAE Systems, Hamamatsu Photonics, Excelitas Technologies, etc.

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

Long Wave Infrared Detector market is split by Array Resolution and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Array Resolution, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Array Resolution

Single-point and Low-pixel Array

?256×192

256×192 to 384×288

640×480 / 640×512 Class

1280×1024 Class

?1920×1080 / HD LWIR

Market segment by Pixel Pitch

?25?m Legacy Pixel

+357 96 030922
info@marketpublishers.com

17?m Class

12?m Class

10?m Class

8?m Class

?6?m Emerging Pixel

Market segment by Packaging Type

Wafer-level Vacuum Package

Ceramic / Metal Vacuum Package

Dewar Package for Cooled Detector

TO / Ceramic Package for Single Sensor

Module-level Integrated Package

Market segment by Application

Industrial Thermography and Inspection

Security, Surveillance and Firefighting

Defense, Aerospace and Space

Automotive and Mobility

Consumer, IoT and Smart Building

Medical and Life Science

+357 96 030922
info@marketpublishers.com

Major players covered

Teledyne FLIR

Lynred

Raytron Technology

Leonardo DRS

Wuhan Guide Sensmart

Dali Technology

SCD – SemiConductor Devices

BAE Systems

Hamamatsu Photonics

Excelitas Technologies

InfraTec GmbH

Heimann Sensor

VIGO Photonics

Melexis

Murata Manufacturing

Nippon Ceramic

HIKMICRO

Raytheon

+357 96 030922
info@marketpublishers.com

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)

Chapter Outline

Chapter 1, to describe Long Wave Infrared Detector product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Long Wave Infrared Detector, with price, sales quantity, revenue, and global market share of Long Wave Infrared Detector from 2021 to 2026.

Chapter 3, the Long Wave Infrared Detector competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Long Wave Infrared Detector breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Array Resolution and by Application, with sales market share and growth rate by Array Resolution, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales

+357 96 030922
info@marketpublishers.com

quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Long Wave Infrared Detector market forecast, by regions, by Array Resolution, and by Application, with sales and revenue, from 2027 to 2032.

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 Long Wave Infrared Detector.

Chapter 14 and 15, to describe Long Wave Infrared Detector sales channel, distributors, customers, research findings and conclusion.

+357 96 030922
info@marketpublishers.com

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope
1.2 Market Estimation Caveats and Base Year
1.3 Market Analysis by Array Resolution
  1.3.1 Overview: Global Long Wave Infrared Detector Consumption Value by Array Resolution: 2021 Versus 2025 Versus 2032
  1.3.2 Single-point and Low-pixel Array
  1.3.3 ?256×192
  1.3.4 256×192 to 384×288
  1.3.5 640×480 / 640×512 Class
  1.3.6 1280×1024 Class
  1.3.7 ?1920×1080 / HD LWIR
1.4 Market Analysis by Pixel Pitch
  1.4.1 Overview: Global Long Wave Infrared Detector Consumption Value by Pixel Pitch: 2021 Versus 2025 Versus 2032
  1.4.2 ?25?m Legacy Pixel
  1.4.3 17?m Class
  1.4.4 12?m Class
  1.4.5 10?m Class
  1.4.6 8?m Class
  1.4.7 ?6?m Emerging Pixel
1.5 Market Analysis by Packaging Type
  1.5.1 Overview: Global Long Wave Infrared Detector Consumption Value by Packaging Type: 2021 Versus 2025 Versus 2032
  1.5.2 Wafer-level Vacuum Package
  1.5.3 Ceramic / Metal Vacuum Package
  1.5.4 Dewar Package for Cooled Detector
  1.5.5 TO / Ceramic Package for Single Sensor
  1.5.6 Module-level Integrated Package
1.6 Market Analysis by Application
  1.6.1 Overview: Global Long Wave Infrared Detector Consumption Value by Application: 2021 Versus 2025 Versus 2032
  1.6.2 Industrial Thermography and Inspection
  1.6.3 Security, Surveillance and Firefighting
  1.6.4 Defense, Aerospace and Space
  1.6.5 Automotive and Mobility

+357 96 030922
info@marketpublishers.com

1.6.6 Consumer, IoT and Smart Building
1.6.7 Medical and Life Science
1.7 Global Long Wave Infrared Detector Market Size & Forecast
1.7.1 Global Long Wave Infrared Detector Consumption Value (2021 & 2025 & 2032)
1.7.2 Global Long Wave Infrared Detector Sales Quantity (2021-2032)
1.7.3 Global Long Wave Infrared Detector Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Teledyne FLIR
2.1.1 Teledyne FLIR Details
2.1.2 Teledyne FLIR Major Business
2.1.3 Teledyne FLIR Long Wave Infrared Detector Product and Services
2.1.4 Teledyne FLIR Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.1.5 Teledyne FLIR Recent Developments/Updates
2.2 Lynred
2.2.1 Lynred Details
2.2.2 Lynred Major Business
2.2.3 Lynred Long Wave Infrared Detector Product and Services
2.2.4 Lynred Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.2.5 Lynred Recent Developments/Updates
2.3 Raytron Technology
2.3.1 Raytron Technology Details
2.3.2 Raytron Technology Major Business
2.3.3 Raytron Technology Long Wave Infrared Detector Product and Services
2.3.4 Raytron Technology Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.3.5 Raytron Technology Recent Developments/Updates
2.4 Leonardo DRS
2.4.1 Leonardo DRS Details
2.4.2 Leonardo DRS Major Business
2.4.3 Leonardo DRS Long Wave Infrared Detector Product and Services
2.4.4 Leonardo DRS Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.4.5 Leonardo DRS Recent Developments/Updates
2.5 Wuhan Guide Sensmart
2.5.1 Wuhan Guide Sensmart Details

+357 96 030922
info@marketpublishers.com

2.5.2 Wuhan Guide Sensmart Major Business
2.5.3 Wuhan Guide Sensmart Long Wave Infrared Detector Product and Services
2.5.4 Wuhan Guide Sensmart Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.5.5 Wuhan Guide Sensmart Recent Developments/Updates
2.6 Dali Technology
2.6.1 Dali Technology Details
2.6.2 Dali Technology Major Business
2.6.3 Dali Technology Long Wave Infrared Detector Product and Services
2.6.4 Dali Technology Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.6.5 Dali Technology Recent Developments/Updates
2.7 SCD – SemiConductor Devices
2.7.1 SCD – SemiConductor Devices Details
2.7.2 SCD – SemiConductor Devices Major Business
2.7.3 SCD – SemiConductor Devices Long Wave Infrared Detector Product and Services
2.7.4 SCD – SemiConductor Devices Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.7.5 SCD – SemiConductor Devices Recent Developments/Updates
2.8 BAE Systems
2.8.1 BAE Systems Details
2.8.2 BAE Systems Major Business
2.8.3 BAE Systems Long Wave Infrared Detector Product and Services
2.8.4 BAE Systems Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.8.5 BAE Systems Recent Developments/Updates
2.9 Hamamatsu Photonics
2.9.1 Hamamatsu Photonics Details
2.9.2 Hamamatsu Photonics Major Business
2.9.3 Hamamatsu Photonics Long Wave Infrared Detector Product and Services
2.9.4 Hamamatsu Photonics Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.9.5 Hamamatsu Photonics Recent Developments/Updates
2.10 Excelitas Technologies
2.10.1 Excelitas Technologies Details
2.10.2 Excelitas Technologies Major Business
2.10.3 Excelitas Technologies Long Wave Infrared Detector Product and Services
2.10.4 Excelitas Technologies Long Wave Infrared Detector Sales Quantity, Average

+357 96 030922
info@marketpublishers.com

Price, Revenue, Gross Margin and Market Share (2021-2026)
2.10.5 Excelitas Technologies Recent Developments/Updates
2.11 InfraTec GmbH
2.11.1 InfraTec GmbH Details
2.11.2 InfraTec GmbH Major Business
2.11.3 InfraTec GmbH Long Wave Infrared Detector Product and Services
2.11.4 InfraTec GmbH Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.11.5 InfraTec GmbH Recent Developments/Updates
2.12 Heimann Sensor
2.12.1 Heimann Sensor Details
2.12.2 Heimann Sensor Major Business
2.12.3 Heimann Sensor Long Wave Infrared Detector Product and Services
2.12.4 Heimann Sensor Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.12.5 Heimann Sensor Recent Developments/Updates
2.13 VIGO Photonics
2.13.1 VIGO Photonics Details
2.13.2 VIGO Photonics Major Business
2.13.3 VIGO Photonics Long Wave Infrared Detector Product and Services
2.13.4 VIGO Photonics Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.13.5 VIGO Photonics Recent Developments/Updates
2.14 Melexis
2.14.1 Melexis Details
2.14.2 Melexis Major Business
2.14.3 Melexis Long Wave Infrared Detector Product and Services
2.14.4 Melexis Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.14.5 Melexis Recent Developments/Updates
2.15 Murata Manufacturing
2.15.1 Murata Manufacturing Details
2.15.2 Murata Manufacturing Major Business
2.15.3 Murata Manufacturing Long Wave Infrared Detector Product and Services
2.15.4 Murata Manufacturing Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.15.5 Murata Manufacturing Recent Developments/Updates
2.16 Nippon Ceramic
2.16.1 Nippon Ceramic Details

+357 96 030922
info@marketpublishers.com

2.16.2 Nippon Ceramic Major Business
2.16.3 Nippon Ceramic Long Wave Infrared Detector Product and Services
2.16.4 Nippon Ceramic Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.16.5 Nippon Ceramic Recent Developments/Updates
2.17 HIKMICRO
2.17.1 HIKMICRO Details
2.17.2 HIKMICRO Major Business
2.17.3 HIKMICRO Long Wave Infrared Detector Product and Services
2.17.4 HIKMICRO Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.17.5 HIKMICRO Recent Developments/Updates
2.18 Raytheon
2.18.1 Raytheon Details
2.18.2 Raytheon Major Business
2.18.3 Raytheon Long Wave Infrared Detector Product and Services
2.18.4 Raytheon Long Wave Infrared Detector Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
2.18.5 Raytheon Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: LONG WAVE INFRARED DETECTOR BY MANUFACTURER

3.1 Global Long Wave Infrared Detector Sales Quantity by Manufacturer (2021-2026)
3.2 Global Long Wave Infrared Detector Revenue by Manufacturer (2021-2026)
3.3 Global Long Wave Infrared Detector Average Price by Manufacturer (2021-2026)
3.4 Market Share Analysis (2025)
3.4.1 Producer Shipments of Long Wave Infrared Detector by Manufacturer Revenue ($MM) and Market Share (%): 2025
3.4.2 Top 3 Long Wave Infrared Detector Manufacturer Market Share in 2025
3.4.3 Top 6 Long Wave Infrared Detector Manufacturer Market Share in 2025
3.5 Long Wave Infrared Detector Market: Overall Company Footprint Analysis
3.5.1 Long Wave Infrared Detector Market: Region Footprint
3.5.2 Long Wave Infrared Detector Market: Company Product Type Footprint
3.5.3 Long Wave Infrared Detector Market: Company Product Application Footprint
3.6 New Market Entrants and Barriers to Market Entry
3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

+357 96 030922
info@marketpublishers.com

4.1 Global Long Wave Infrared Detector Market Size by Region
4.1.1 Global Long Wave Infrared Detector Sales Quantity by Region (2021-2032)
4.1.2 Global Long Wave Infrared Detector Consumption Value by Region (2021-2032)
4.1.3 Global Long Wave Infrared Detector Average Price by Region (2021-2032)
4.2 North America Long Wave Infrared Detector Consumption Value (2021-2032)
4.3 Europe Long Wave Infrared Detector Consumption Value (2021-2032)
4.4 Asia-Pacific Long Wave Infrared Detector Consumption Value (2021-2032)
4.5 South America Long Wave Infrared Detector Consumption Value (2021-2032)
4.6 Middle East & Africa Long Wave Infrared Detector Consumption Value (2021-2032)

5 MARKET SEGMENT BY ARRAY RESOLUTION

5.1 Global Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2032)
5.2 Global Long Wave Infrared Detector Consumption Value by Array Resolution (2021-2032)
5.3 Global Long Wave Infrared Detector Average Price by Array Resolution (2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Long Wave Infrared Detector Sales Quantity by Application (2021-2032)
6.2 Global Long Wave Infrared Detector Consumption Value by Application (2021-2032)
6.3 Global Long Wave Infrared Detector Average Price by Application (2021-2032)

7 NORTH AMERICA

7.1 North America Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2032)
7.2 North America Long Wave Infrared Detector Sales Quantity by Application (2021-2032)
7.3 North America Long Wave Infrared Detector Market Size by Country
7.3.1 North America Long Wave Infrared Detector Sales Quantity by Country (2021-2032)
7.3.2 North America Long Wave Infrared Detector Consumption Value by Country (2021-2032)
7.3.3 United States Market Size and Forecast (2021-2032)
7.3.4 Canada Market Size and Forecast (2021-2032)
7.3.5 Mexico Market Size and Forecast (2021-2032)

+357 96 030922
info@marketpublishers.com

8 EUROPE

8.1 Europe Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2032)
8.2 Europe Long Wave Infrared Detector Sales Quantity by Application (2021-2032)
8.3 Europe Long Wave Infrared Detector Market Size by Country
  8.3.1 Europe Long Wave Infrared Detector Sales Quantity by Country (2021-2032)
  8.3.2 Europe Long Wave Infrared Detector Consumption Value by Country (2021-2032)
  8.3.3 Germany Market Size and Forecast (2021-2032)
  8.3.4 France Market Size and Forecast (2021-2032)
  8.3.5 United Kingdom Market Size and Forecast (2021-2032)
  8.3.6 Russia Market Size and Forecast (2021-2032)
  8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2032)
9.2 Asia-Pacific Long Wave Infrared Detector Sales Quantity by Application (2021-2032)
9.3 Asia-Pacific Long Wave Infrared Detector Market Size by Region
  9.3.1 Asia-Pacific Long Wave Infrared Detector Sales Quantity by Region (2021-2032)
  9.3.2 Asia-Pacific Long Wave Infrared Detector Consumption Value by Region (2021-2032)
  9.3.3 China Market Size and Forecast (2021-2032)
  9.3.4 Japan Market Size and Forecast (2021-2032)
  9.3.5 South Korea Market Size and Forecast (2021-2032)
  9.3.6 India Market Size and Forecast (2021-2032)
  9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
  9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2032)
10.2 South America Long Wave Infrared Detector Sales Quantity by Application (2021-2032)

+357 96 030922
info@marketpublishers.com

10.3 South America Long Wave Infrared Detector Market Size by Country
10.3.1 South America Long Wave Infrared Detector Sales Quantity by Country (2021-2032)
10.3.2 South America Long Wave Infrared Detector Consumption Value by Country (2021-2032)
10.3.3 Brazil Market Size and Forecast (2021-2032)
10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2032)
11.2 Middle East & Africa Long Wave Infrared Detector Sales Quantity by Application (2021-2032)
11.3 Middle East & Africa Long Wave Infrared Detector Market Size by Country
11.3.1 Middle East & Africa Long Wave Infrared Detector Sales Quantity by Country (2021-2032)
11.3.2 Middle East & Africa Long Wave Infrared Detector Consumption Value by Country (2021-2032)
11.3.3 Turkey Market Size and Forecast (2021-2032)
11.3.4 Egypt Market Size and Forecast (2021-2032)
11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Long Wave Infrared Detector Market Drivers
12.2 Long Wave Infrared Detector Market Restraints
12.3 Long Wave Infrared Detector Trends Analysis
12.4 Porters Five Forces Analysis
12.4.1 Threat of New Entrants
12.4.2 Bargaining Power of Suppliers
12.4.3 Bargaining Power of Buyers
12.4.4 Threat of Substitutes
12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Long Wave Infrared Detector and Key Manufacturers

+357 96 030922
info@marketpublishers.com

13.2 Manufacturing Costs Percentage of Long Wave Infrared Detector
13.3 Long Wave Infrared Detector Production Process
13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel
  14.1.1 Direct to End-User
  14.1.2 Distributors
14.2 Long Wave Infrared Detector Typical Distributors
14.3 Long Wave Infrared Detector Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology
16.2 Research Process and Data Source
16.3 Disclaimer

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Global Long Wave Infrared Detector Consumption Value by Array Resolution, (USD Million), 2021 & 2025 & 2032
Table 2. Global Long Wave Infrared Detector Consumption Value by Pixel Pitch, (USD Million), 2021 & 2025 & 2032
Table 3. Global Long Wave Infrared Detector Consumption Value by Packaging Type, (USD Million), 2021 & 2025 & 2032
Table 4. Global Long Wave Infrared Detector Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Table 5. Teledyne FLIR Basic Information, Manufacturing Base and Competitors
Table 6. Teledyne FLIR Major Business
Table 7. Teledyne FLIR Long Wave Infrared Detector Product and Services
Table 8. Teledyne FLIR Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 9. Teledyne FLIR Recent Developments/Updates
Table 10. Lynred Basic Information, Manufacturing Base and Competitors
Table 11. Lynred Major Business
Table 12. Lynred Long Wave Infrared Detector Product and Services
Table 13. Lynred Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 14. Lynred Recent Developments/Updates
Table 15. Raytron Technology Basic Information, Manufacturing Base and Competitors
Table 16. Raytron Technology Major Business
Table 17. Raytron Technology Long Wave Infrared Detector Product and Services
Table 18. Raytron Technology Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 19. Raytron Technology Recent Developments/Updates
Table 20. Leonardo DRS Basic Information, Manufacturing Base and Competitors
Table 21. Leonardo DRS Major Business
Table 22. Leonardo DRS Long Wave Infrared Detector Product and Services
Table 23. Leonardo DRS Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 24. Leonardo DRS Recent Developments/Updates
Table 25. Wuhan Guide Sensmart Basic Information, Manufacturing Base and

+357 96 030922
info@marketpublishers.com

Competitors
Table 26. Wuhan Guide Sensmart Major Business
Table 27. Wuhan Guide Sensmart Long Wave Infrared Detector Product and Services
Table 28. Wuhan Guide Sensmart Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 29. Wuhan Guide Sensmart Recent Developments/Updates
Table 30. Dali Technology Basic Information, Manufacturing Base and Competitors
Table 31. Dali Technology Major Business
Table 32. Dali Technology Long Wave Infrared Detector Product and Services
Table 33. Dali Technology Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 34. Dali Technology Recent Developments/Updates
Table 35. SCD – SemiConductor Devices Basic Information, Manufacturing Base and Competitors
Table 36. SCD – SemiConductor Devices Major Business
Table 37. SCD – SemiConductor Devices Long Wave Infrared Detector Product and Services
Table 38. SCD – SemiConductor Devices Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 39. SCD – SemiConductor Devices Recent Developments/Updates
Table 40. BAE Systems Basic Information, Manufacturing Base and Competitors
Table 41. BAE Systems Major Business
Table 42. BAE Systems Long Wave Infrared Detector Product and Services
Table 43. BAE Systems Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 44. BAE Systems Recent Developments/Updates
Table 45. Hamamatsu Photonics Basic Information, Manufacturing Base and Competitors
Table 46. Hamamatsu Photonics Major Business
Table 47. Hamamatsu Photonics Long Wave Infrared Detector Product and Services
Table 48. Hamamatsu Photonics Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 49. Hamamatsu Photonics Recent Developments/Updates
Table 50. Excelitas Technologies Basic Information, Manufacturing Base and Competitors

+357 96 030922
info@marketpublishers.com

Table 51. Excelitas Technologies Major Business
Table 52. Excelitas Technologies Long Wave Infrared Detector Product and Services
Table 53. Excelitas Technologies Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 54. Excelitas Technologies Recent Developments/Updates
Table 55. InfraTec GmbH Basic Information, Manufacturing Base and Competitors
Table 56. InfraTec GmbH Major Business
Table 57. InfraTec GmbH Long Wave Infrared Detector Product and Services
Table 58. InfraTec GmbH Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 59. InfraTec GmbH Recent Developments/Updates
Table 60. Heimann Sensor Basic Information, Manufacturing Base and Competitors
Table 61. Heimann Sensor Major Business
Table 62. Heimann Sensor Long Wave Infrared Detector Product and Services
Table 63. Heimann Sensor Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 64. Heimann Sensor Recent Developments/Updates
Table 65. VIGO Photonics Basic Information, Manufacturing Base and Competitors
Table 66. VIGO Photonics Major Business
Table 67. VIGO Photonics Long Wave Infrared Detector Product and Services
Table 68. VIGO Photonics Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 69. VIGO Photonics Recent Developments/Updates
Table 70. Melexis Basic Information, Manufacturing Base and Competitors
Table 71. Melexis Major Business
Table 72. Melexis Long Wave Infrared Detector Product and Services
Table 73. Melexis Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 74. Melexis Recent Developments/Updates
Table 75. Murata Manufacturing Basic Information, Manufacturing Base and Competitors
Table 76. Murata Manufacturing Major Business
Table 77. Murata Manufacturing Long Wave Infrared Detector Product and Services
Table 78. Murata Manufacturing Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share

+357 96 030922
info@marketpublishers.com

(2021-2026)
Table 79. Murata Manufacturing Recent Developments/Updates
Table 80. Nippon Ceramic Basic Information, Manufacturing Base and Competitors
Table 81. Nippon Ceramic Major Business
Table 82. Nippon Ceramic Long Wave Infrared Detector Product and Services
Table 83. Nippon Ceramic Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 84. Nippon Ceramic Recent Developments/Updates
Table 85. HIKMICRO Basic Information, Manufacturing Base and Competitors
Table 86. HIKMICRO Major Business
Table 87. HIKMICRO Long Wave Infrared Detector Product and Services
Table 88. HIKMICRO Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 89. HIKMICRO Recent Developments/Updates
Table 90. Raytheon Basic Information, Manufacturing Base and Competitors
Table 91. Raytheon Major Business
Table 92. Raytheon Long Wave Infrared Detector Product and Services
Table 93. Raytheon Long Wave Infrared Detector Sales Quantity (K Units), Average Price (US$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
Table 94. Raytheon Recent Developments/Updates
Table 95. Global Long Wave Infrared Detector Sales Quantity by Manufacturer (2021-2026) & (K Units)
Table 96. Global Long Wave Infrared Detector Revenue by Manufacturer (2021-2026) & (USD Million)
Table 97. Global Long Wave Infrared Detector Average Price by Manufacturer (2021-2026) & (US$/Unit)
Table 98. Market Position of Manufacturers in Long Wave Infrared Detector, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
Table 99. Head Office and Long Wave Infrared Detector Production Site of Key Manufacturer
Table 100. Long Wave Infrared Detector Market: Company Product Type Footprint
Table 101. Long Wave Infrared Detector Market: Company Product Application Footprint
Table 102. Long Wave Infrared Detector New Market Entrants and Barriers to Market Entry
Table 103. Long Wave Infrared Detector Mergers, Acquisition, Agreements, and Collaborations
Table 104. Global Long Wave Infrared Detector Consumption Value by Region

+357 96 030922
info@marketpublishers.com

(2021-2025-2032) & (USD Million) & CAGR
Table 105. Global Long Wave Infrared Detector Sales Quantity by Region (2021-2026) & (K Units)
Table 106. Global Long Wave Infrared Detector Sales Quantity by Region (2027-2032) & (K Units)
Table 107. Global Long Wave Infrared Detector Consumption Value by Region (2021-2026) & (USD Million)
Table 108. Global Long Wave Infrared Detector Consumption Value by Region (2027-2032) & (USD Million)
Table 109. Global Long Wave Infrared Detector Average Price by Region (2021-2026) & (US$/Unit)
Table 110. Global Long Wave Infrared Detector Average Price by Region (2027-2032) & (US$/Unit)
Table 111. Global Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2026) & (K Units)
Table 112. Global Long Wave Infrared Detector Sales Quantity by Array Resolution (2027-2032) & (K Units)
Table 113. Global Long Wave Infrared Detector Consumption Value by Array Resolution (2021-2026) & (USD Million)
Table 114. Global Long Wave Infrared Detector Consumption Value by Array Resolution (2027-2032) & (USD Million)
Table 115. Global Long Wave Infrared Detector Average Price by Array Resolution (2021-2026) & (US$/Unit)
Table 116. Global Long Wave Infrared Detector Average Price by Array Resolution (2027-2032) & (US$/Unit)
Table 117. Global Long Wave Infrared Detector Sales Quantity by Application (2021-2026) & (K Units)
Table 118. Global Long Wave Infrared Detector Sales Quantity by Application (2027-2032) & (K Units)
Table 119. Global Long Wave Infrared Detector Consumption Value by Application (2021-2026) & (USD Million)
Table 120. Global Long Wave Infrared Detector Consumption Value by Application (2027-2032) & (USD Million)
Table 121. Global Long Wave Infrared Detector Average Price by Application (2021-2026) & (US$/Unit)
Table 122. Global Long Wave Infrared Detector Average Price by Application (2027-2032) & (US$/Unit)
Table 123. North America Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2026) & (K Units)

+357 96 030922
info@marketpublishers.com

Table 124. North America Long Wave Infrared Detector Sales Quantity by Array Resolution (2027-2032) & (K Units)
Table 125. North America Long Wave Infrared Detector Sales Quantity by Application (2021-2026) & (K Units)
Table 126. North America Long Wave Infrared Detector Sales Quantity by Application (2027-2032) & (K Units)
Table 127. North America Long Wave Infrared Detector Sales Quantity by Country (2021-2026) & (K Units)
Table 128. North America Long Wave Infrared Detector Sales Quantity by Country (2027-2032) & (K Units)
Table 129. North America Long Wave Infrared Detector Consumption Value by Country (2021-2026) & (USD Million)
Table 130. North America Long Wave Infrared Detector Consumption Value by Country (2027-2032) & (USD Million)
Table 131. Europe Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2026) & (K Units)
Table 132. Europe Long Wave Infrared Detector Sales Quantity by Array Resolution (2027-2032) & (K Units)
Table 133. Europe Long Wave Infrared Detector Sales Quantity by Application (2021-2026) & (K Units)
Table 134. Europe Long Wave Infrared Detector Sales Quantity by Application (2027-2032) & (K Units)
Table 135. Europe Long Wave Infrared Detector Sales Quantity by Country (2021-2026) & (K Units)
Table 136. Europe Long Wave Infrared Detector Sales Quantity by Country (2027-2032) & (K Units)
Table 137. Europe Long Wave Infrared Detector Consumption Value by Country (2021-2026) & (USD Million)
Table 138. Europe Long Wave Infrared Detector Consumption Value by Country (2027-2032) & (USD Million)
Table 139. Asia-Pacific Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2026) & (K Units)
Table 140. Asia-Pacific Long Wave Infrared Detector Sales Quantity by Array Resolution (2027-2032) & (K Units)
Table 141. Asia-Pacific Long Wave Infrared Detector Sales Quantity by Application (2021-2026) & (K Units)
Table 142. Asia-Pacific Long Wave Infrared Detector Sales Quantity by Application (2027-2032) & (K Units)
Table 143. Asia-Pacific Long Wave Infrared Detector Sales Quantity by Region

+357 96 030922
info@marketpublishers.com

(2021-2026) & (K Units)
Table 144. Asia-Pacific Long Wave Infrared Detector Sales Quantity by Region (2027-2032) & (K Units)
Table 145. Asia-Pacific Long Wave Infrared Detector Consumption Value by Region (2021-2026) & (USD Million)
Table 146. Asia-Pacific Long Wave Infrared Detector Consumption Value by Region (2027-2032) & (USD Million)
Table 147. South America Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2026) & (K Units)
Table 148. South America Long Wave Infrared Detector Sales Quantity by Array Resolution (2027-2032) & (K Units)
Table 149. South America Long Wave Infrared Detector Sales Quantity by Application (2021-2026) & (K Units)
Table 150. South America Long Wave Infrared Detector Sales Quantity by Application (2027-2032) & (K Units)
Table 151. South America Long Wave Infrared Detector Sales Quantity by Country (2021-2026) & (K Units)
Table 152. South America Long Wave Infrared Detector Sales Quantity by Country (2027-2032) & (K Units)
Table 153. South America Long Wave Infrared Detector Consumption Value by Country (2021-2026) & (USD Million)
Table 154. South America Long Wave Infrared Detector Consumption Value by Country (2027-2032) & (USD Million)
Table 155. Middle East & Africa Long Wave Infrared Detector Sales Quantity by Array Resolution (2021-2026) & (K Units)
Table 156. Middle East & Africa Long Wave Infrared Detector Sales Quantity by Array Resolution (2027-2032) & (K Units)
Table 157. Middle East & Africa Long Wave Infrared Detector Sales Quantity by Application (2021-2026) & (K Units)
Table 158. Middle East & Africa Long Wave Infrared Detector Sales Quantity by Application (2027-2032) & (K Units)
Table 159. Middle East & Africa Long Wave Infrared Detector Sales Quantity by Country (2021-2026) & (K Units)
Table 160. Middle East & Africa Long Wave Infrared Detector Sales Quantity by Country (2027-2032) & (K Units)
Table 161. Middle East & Africa Long Wave Infrared Detector Consumption Value by Country (2021-2026) & (USD Million)
Table 162. Middle East & Africa Long Wave Infrared Detector Consumption Value by Country (2027-2032) & (USD Million)

+357 96 030922
info@marketpublishers.com

Table 163. Long Wave Infrared Detector Raw Material
Table 164. Key Manufacturers of Long Wave Infrared Detector Raw Materials
Table 165. Long Wave Infrared Detector Typical Distributors
Table 166. Long Wave Infrared Detector Typical Customers

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Long Wave Infrared Detector Picture
Figure 2. Global Long Wave Infrared Detector Revenue by Array Resolution, (USD Million), 2021 & 2025 & 2032
Figure 3. Global Long Wave Infrared Detector Revenue Market Share by Array Resolution in 2025
Figure 4. Single-point and Low-pixel Array Examples
Figure 5. ?256×192 Examples
Figure 6. 256×192 to 384×288 Examples
Figure 7. 640×480 / 640×512 Class Examples
Figure 8. 1280×1024 Class Examples
Figure 9. ?1920×1080 / HD LWIR Examples
Figure 10. Global Long Wave Infrared Detector Revenue by Pixel Pitch, (USD Million), 2021 & 2025 & 2032
Figure 11. Global Long Wave Infrared Detector Revenue Market Share by Pixel Pitch in 2025
Figure 12. ?25?m Legacy Pixel Examples
Figure 13. 17?m Class Examples
Figure 14. 12?m Class Examples
Figure 15. 10?m Class Examples
Figure 16. 8?m Class Examples
Figure 17. ?6?m Emerging Pixel Examples
Figure 18. Global Long Wave Infrared Detector Revenue by Packaging Type, (USD Million), 2021 & 2025 & 2032
Figure 19. Global Long Wave Infrared Detector Revenue Market Share by Packaging Type in 2025
Figure 20. Wafer-level Vacuum Package Examples
Figure 21. Ceramic / Metal Vacuum Package Examples
Figure 22. Dewar Package for Cooled Detector Examples
Figure 23. TO / Ceramic Package for Single Sensor Examples
Figure 24. Module-level Integrated Package Examples
Figure 25. Global Long Wave Infrared Detector Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
Figure 26. Global Long Wave Infrared Detector Revenue Market Share by Application in 2025
Figure 27. Industrial Thermography and Inspection Examples

+357 96 030922
info@marketpublishers.com

Figure 28. Security, Surveillance and Firefighting Examples
Figure 29. Defense, Aerospace and Space Examples
Figure 30. Automotive and Mobility Examples
Figure 31. Consumer, IoT and Smart Building Examples
Figure 32. Medical and Life Science Examples
Figure 33. Global Long Wave Infrared Detector Consumption Value, (USD Million): 2021 & 2025 & 2032
Figure 34. Global Long Wave Infrared Detector Consumption Value and Forecast (2021-2032) & (USD Million)
Figure 35. Global Long Wave Infrared Detector Sales Quantity (2021-2032) & (K Units)
Figure 36. Global Long Wave Infrared Detector Price (2021-2032) & (US$/Unit)
Figure 37. Global Long Wave Infrared Detector Sales Quantity Market Share by Manufacturer in 2025
Figure 38. Global Long Wave Infrared Detector Revenue Market Share by Manufacturer in 2025
Figure 39. Producer Shipments of Long Wave Infrared Detector by Manufacturer Sales ($MM) and Market Share (%): 2025
Figure 40. Top 3 Long Wave Infrared Detector Manufacturer (Revenue) Market Share in 2025
Figure 41. Top 6 Long Wave Infrared Detector Manufacturer (Revenue) Market Share in 2025
Figure 42. Global Long Wave Infrared Detector Sales Quantity Market Share by Region (2021-2032)
Figure 43. Global Long Wave Infrared Detector Consumption Value Market Share by Region (2021-2032)
Figure 44. North America Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 45. Europe Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 46. Asia-Pacific Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 47. South America Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 48. Middle East & Africa Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 49. Global Long Wave Infrared Detector Sales Quantity Market Share by Array Resolution (2021-2032)
Figure 50. Global Long Wave Infrared Detector Consumption Value Market Share by Array Resolution (2021-2032)

+357 96 030922
info@marketpublishers.com

Figure 51. Global Long Wave Infrared Detector Average Price by Array Resolution (2021-2032) & (US$/Unit)
Figure 52. Global Long Wave Infrared Detector Sales Quantity Market Share by Application (2021-2032)
Figure 53. Global Long Wave Infrared Detector Revenue Market Share by Application (2021-2032)
Figure 54. Global Long Wave Infrared Detector Average Price by Application (2021-2032) & (US$/Unit)
Figure 55. North America Long Wave Infrared Detector Sales Quantity Market Share by Array Resolution (2021-2032)
Figure 56. North America Long Wave Infrared Detector Sales Quantity Market Share by Application (2021-2032)
Figure 57. North America Long Wave Infrared Detector Sales Quantity Market Share by Country (2021-2032)
Figure 58. North America Long Wave Infrared Detector Consumption Value Market Share by Country (2021-2032)
Figure 59. United States Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 60. Canada Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 61. Mexico Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 62. Europe Long Wave Infrared Detector Sales Quantity Market Share by Array Resolution (2021-2032)
Figure 63. Europe Long Wave Infrared Detector Sales Quantity Market Share by Application (2021-2032)
Figure 64. Europe Long Wave Infrared Detector Sales Quantity Market Share by Country (2021-2032)
Figure 65. Europe Long Wave Infrared Detector Consumption Value Market Share by Country (2021-2032)
Figure 66. Germany Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 67. France Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 68. United Kingdom Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 69. Russia Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 70. Italy Long Wave Infrared Detector Consumption Value (2021-2032) & (USD

+357 96 030922
info@marketpublishers.com

Million)
Figure 71. Asia-Pacific Long Wave Infrared Detector Sales Quantity Market Share by Array Resolution (2021-2032)
Figure 72. Asia-Pacific Long Wave Infrared Detector Sales Quantity Market Share by Application (2021-2032)
Figure 73. Asia-Pacific Long Wave Infrared Detector Sales Quantity Market Share by Region (2021-2032)
Figure 74. Asia-Pacific Long Wave Infrared Detector Consumption Value Market Share by Region (2021-2032)
Figure 75. China Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 76. Japan Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 77. South Korea Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 78. India Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 79. Southeast Asia Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 80. Australia Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 81. South America Long Wave Infrared Detector Sales Quantity Market Share by Array Resolution (2021-2032)
Figure 82. South America Long Wave Infrared Detector Sales Quantity Market Share by Application (2021-2032)
Figure 83. South America Long Wave Infrared Detector Sales Quantity Market Share by Country (2021-2032)
Figure 84. South America Long Wave Infrared Detector Consumption Value Market Share by Country (2021-2032)
Figure 85. Brazil Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 86. Argentina Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 87. Middle East & Africa Long Wave Infrared Detector Sales Quantity Market Share by Array Resolution (2021-2032)
Figure 88. Middle East & Africa Long Wave Infrared Detector Sales Quantity Market Share by Application (2021-2032)
Figure 89. Middle East & Africa Long Wave Infrared Detector Sales Quantity Market Share by Country (2021-2032)

+357 96 030922
info@marketpublishers.com

Figure 90. Middle East & Africa Long Wave Infrared Detector Consumption Value Market Share by Country (2021-2032)
Figure 91. Turkey Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 92. Egypt Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 93. Saudi Arabia Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 94. South Africa Long Wave Infrared Detector Consumption Value (2021-2032) & (USD Million)
Figure 95. Long Wave Infrared Detector Market Drivers
Figure 96. Long Wave Infrared Detector Market Restraints
Figure 97. Long Wave Infrared Detector Market Trends
Figure 98. Porters Five Forces Analysis
Figure 99. Manufacturing Cost Structure Analysis of Long Wave Infrared Detector in 2025
Figure 100. Manufacturing Process Analysis of Long Wave Infrared Detector
Figure 101. Long Wave Infrared Detector Industrial Chain
Figure 102. Sales Channel: Direct to End-User vs Distributors
Figure 103. Direct Channel Pros & Cons
Figure 104. Indirect Channel Pros & Cons
Figure 105. Methodology
Figure 106. Research Process and Data Source

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Long Wave Infrared Detector Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: https://marketpublishers.com/r/GAF8076D6B73EN.html

Price: US$ 3,480.00 (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/GAF8076D6B73EN.html