

Global Long Wave Infrared (LWIR) Thermal Imaging Camera Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Long Wave Infrared (LWIR) Thermal Imaging Camera market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

A LWIR thermal imaging camera is a device that uses long-wave infrared radiation (typically in the 8 to 14 micron wavelength range) for thermal imaging. It is a variant of infrared thermography that is designed to detect and display the heat distribution on the surface of an object. Compared with infrared thermal imaging cameras in other wavelength ranges (such as mid-wave infrared, short-wave infrared), long-wave infrared thermal imaging cameras have some characteristics and advantages. First, LWIR radiation is able to penetrate fog, smog and some gases in most cases, making thermal imaging effective in harsh environmental conditions. Second, long-wave infrared radiation can better penetrate non-metallic materials such as glass, plastic, and cloth, making observations without special handling or removal of obscuring objects. In addition, long-wave infrared thermal imaging cameras are more sensitive to the detection of low-temperature targets. Long-wave infrared thermal imaging cameras work similarly to other infrared thermal imaging cameras by sensing long-wave infrared radiation emitted by objects and converting it into a visible image. It can display the temperature distribution on the surface of the object, and represent the regions of different temperatures with different colors or brightness. Long-wave infrared thermal imaging cameras are widely used in military, security, fire protection, electric power, construction, medical and other fields. It can be used for various tasks such as personnel search and rescue, fire detection, electrical equipment fault diagnosis,

building thermal efficiency assessment, etc.

This report is a detailed and comprehensive analysis for global Long Wave Infrared (LWIR) Thermal Imaging Camera market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type 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 2023, are provided.

Key Features:

Global Long Wave Infrared (LWIR) Thermal Imaging Camera market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Long Wave Infrared (LWIR) Thermal Imaging Camera market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Long Wave Infrared (LWIR) Thermal Imaging Camera market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global Long Wave Infrared (LWIR) Thermal Imaging Camera market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

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 (LWIR) Thermal Imaging Camera

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global Long Wave Infrared (LWIR) Thermal Imaging Camera market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include AMETEK Land, New Infrared Technologies, S.L., Bertin Technologies, TEMPSENS and Workswell s.r.o., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Long Wave Infrared (LWIR) Thermal Imaging Camera market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Refrigerated

Non-Refrigerated

Market segment by Application

Security

Military

Automobile

Navigation

Medical

Other

Major players covered

AMETEK Land

New Infrared Technologies, S.L.

Bertin Technologies

TEMPSENS

Workswell s.r.o.

FLIR SYSTEMS

NEC Avio Infrared Technologies

PHOTONIS

HGH SYSTEMES INFRAROUGES

Specim

XENICS

Quanhom Technology Co., LTD

BOSCH

Telops

Zhejiang ULIRVISION Technology Co., LTD

Hubei Jiuzhiyang Infrared System Co., Ltd

VY Photonics

Excelitas Technologies

InfiRay

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)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Long Wave Infrared (LWIR) Thermal Imaging Camera product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Long Wave Infrared (LWIR) Thermal Imaging Camera, with price, sales, revenue and global market share of Long Wave Infrared (LWIR) Thermal Imaging Camera from 2018 to 2023.

Chapter 3, the Long Wave Infrared (LWIR) Thermal Imaging Camera competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Long Wave Infrared (LWIR) Thermal Imaging Camera breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Long Wave Infrared (LWIR) Thermal Imaging Camera market forecast, by

regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Long Wave Infrared (LWIR) Thermal Imaging Camera.

Chapter 14 and 15, to describe Long Wave Infrared (LWIR) Thermal Imaging Camera sales channel, distributors, customers, research findings and conclusion.

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