

# Global Near IR Camera Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

According to our (Global Info Research) latest study, the global Near IR Camera market size was valued at USD 940.8 million in 2023 and is forecast to a readjusted size of USD 1509.3 million by 2030 with a CAGR of 7.0% during review period.

Near-infrared light is one kind of electromagnetic waves in the range of visible and infrared light which cannot be perceived by human eyes. Near IR Cameras were developed on the basis of this, they refer to cameras with NIR sensors. Compared with DSC, Near Infrared Industry Camera has stable and reliable performance, is easy to install. Because of its Compact, rugged structural features, Near NIR Camera is difficult to damage. Thus, it can be used in poor environment and continue working for a long time. Near Infrared Cameras shutter time is very short, it can capture high-speed moving objects. Industrial camera can shoot ten to hundreds of pictures per second, while an ordinary camera can only take 2-3 images, there is a large difference between them. Output of Near-Infrared Camera is raw data, which has relatively wide spectral range, and is more suitable for high-quality image processing algorithms, such as machine vision applications, while ordinary camera image, which is only suitable for the spectral range of human vision, and after jpeg compression, image quality is poor, is not conducive to analysis and processing. Owing to the excellent performance of NIR Camera, it has been widely used in many fields, such as detection, transportation, and scientific medical.

Global Near IR Camera key players include JAI, FLIR Systems, Allied Vision Technologies, IDS Imaging Development Systems, Basler, etc. Global top five manufacturers hold a share over 55%.

The United States is the largest market, with a share over 35%, followed by Europe and



Japan, both have a share over 35% percent. In terms of product, CCD is the largest segment, with a share over 50%. And in terms of application, the largest application is Measurement &Detection, followed by Industry.

The Global Info Research report includes an overview of the development of the Near IR Camera industry chain, the market status of Industry (CCD, CMOS), Measurement &Detection (CCD, CMOS), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Near IR Camera.

Regionally, the report analyzes the Near IR Camera markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Near IR Camera market, with robust domestic demand, supportive policies, and a strong manufacturing base.

## Key Features:

The report presents comprehensive understanding of the Near IR Camera market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Near IR Camera industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., CCD, CMOS).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Near IR Camera market.

Regional Analysis: The report involves examining the Near IR Camera market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.



Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Near IR Camera market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Near IR Camera:

Company Analysis: Report covers individual Near IR Camera manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Near IR Camera This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industry, Measurement &Detection).

Technology Analysis: Report covers specific technologies relevant to Near IR Camera. It assesses the current state, advancements, and potential future developments in Near IR Camera areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Near IR Camera market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Near IR Camera market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

CCD

**CMOS** 



Others Market segment by Application Industry Measurement & Detection Others Major players covered JAI **FLIR Systems** Allied Vision Technologies **IDS Imaging Development Systems** Basler **HORIBA Scientific** Lumenera **QImaging** Xenics **Photonfocus Infrared Cameras** 

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 Near IR Camera product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Near IR Camera, with price, sales, revenue and global market share of Near IR Camera from 2019 to 2024.

Chapter 3, the Near IR Camera competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Near IR Camera breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023.and Near IR Camera market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Near IR Camera.



Chapter 14 and 15, to describe Near IR Camera sales channel, distributors, customers, research findings and conclusion.



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