

Global Thermal Camera Market Outlook 2025-2034: Growth Drivers, Share, And Trends

The Business Research Company's Global Thermal Camera Market Outlook 2025-2034: Growth Drivers, Share, And Trends

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Thermal Camera Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

Is The Thermal Camera Market Set To Witness Substantial Growth?

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Company*

The robust growth in the thermal camera market is projected to continue well into 2025, backed by factors such as technological advancements, artificial intelligence, sensor technology, the rise of IoT devices, and portable designs. According to the newly released "Thermal Camera Global Market Report 2025," the market stands to grow from \$4.22 billion in 2024 to \$4.63 billion in 2025, reflecting a compound annual growth rate CAGR of 9.6%.

The recently observed growth in the thermal camera market size can be mainly attributed to the increasing demand for advanced security and surveillance systems and the rising use of thermal imaging in firefighting and agriculture. Other crucial drivers include the expansion in smart building technologies and the growing popularity of handheld thermal imaging devices.

Wondering What The Future Has In Store For The Thermal Camera Market?

Not only has the thermal camera market been growing robustly in recent years, but the growth is also expected to continue unabated into the next decade. The market size will grow to \$6.59 billion in 2029, displaying a compound annual growth rate CAGR of 9.3%. Among the numerous growth drivers in the forecast period are a rise in automotive applications, burgeoning adoption

in healthcare diagnostics, increasing demand for predictive maintenance in industries, increased concerns about safety and fire prevention, and a surge in theft and vandalism instances.

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What Is Fueling The Thermal Camera Market's Growth?

The expansion of the automotive sector is a major factor driving the thermal camera market forward. The automotive sector, comprising the industry involved in designing, manufacturing, marketing, and maintaining motor vehicles, is broadening its scope due to several factors. These factors include increased demand for personal and commercial vehicles, technological advancements in electric and autonomous vehicles, growth in emerging markets, and innovations in connectivity and automation. Thermal cameras are an integral part of this process, improving safety by identifying overheating components, enhancing night vision, and supporting autonomous driving and driver assistance systems.

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Who Are The Key Industry Players Setting The Pace In The Thermal Camera Market?

Major companies operating in the thermal camera market include Mobotix AG, Raytheon Technologies Corporation, Northrop Grumman Corporation, BAE Systems plc, Hikvision Digital Technology Co. Ltd., Ametek Inc., Fluke Corporation, Kongsberg Gruppen ASA, SICK AG, Axis Communications AB, Jenoptik AG, Testo SE & Co. KGaA, Teledyne FLIR LLC, CTC Global Corporation, Seek Thermal Inc., LumaSense Technologies Inc., Optris GmbH, Thermoteknix Systems Ltd., Opgal Optronic Industries Ltd., PCE Instruments, Aerialtronics BV, Extech Instruments LLC, Raptor Photonics Ltd., and Varioterm Eurosensor Ltd.

What Trends Are Emerging In The Thermal Camera Market?

Leading companies in the thermal camera market are concentrating on developing technologically advanced products like IoT thermal cameras. These products allow for real-time, remote monitoring and analytics, contributing to enhanced operational safety and efficiency.

How Is The Thermal Camera Market Categorized?

The thermal camera market can be segmented by type, mobility, application, and end-user. Subsegments further divide the cooled infrared detector and uncooled infrared detector segments.

Furthermore, regional trends reveal that North America was the largest region in the thermal

camera market in 2024. However, moving forward, Asia-Pacific is anticipated to manifest the fastest growth in the thermal camera market.

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