

# Thermal Imaging Camera Market Present Scenario and Growth Prospects 2021 - 2030

*Thermal Imaging Camera Market  
Expected to Reach \$7.49 Billion by 2030*

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/EINPresswire.com/ -- The global [thermal imaging camera market](#) share is expected to witness exponential growth, owing to an increase in awareness about the advantages offered by these cameras in different industry verticals. Moreover, the surge in investments from governments of various countries to adopt this technology is expected to augment the market growth during the forecast period. Allied Market Research, titled, "Thermal Imaging Camera Market Type, Application, Industry Vertical, and Sales Channel: Global Opportunity Analysis and Industry Forecast, 2021-2030," The global thermal imaging camera industry size was valued at \$3.16 billion in 2020, and is projected to reach \$7.49 billion by 2030, registering a CAGR of 10.0% from 2021 to 2030.



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A thermal imaging camera works by detecting and measuring the infrared radiation emanating from the objects, which is then converted into electrical signals that further form an image. This image created is interpreted to find the hot spots. These hot spots indicate high-temperature zones that may fail the machine or object. Thermal imaging cameras work flawlessly in both daytime and nighttime. These cameras have a wide range of applications, including drones, wildlife, fire detection, marine, surveillance, and industrial.

Increase in the use of thermal imaging cameras for security & surveillance, the benefit of cost-effective preventive maintenance using thermal cameras, the substantial rate of adoption of thermal cameras in the manufacturing sector to ensure quality, and the rise in investments for the deployment of thermal imaging cameras by the government of different countries are some

of the factors that drive the thermal imaging camera market growth. However, high capital and maintenance costs are acting as restraints and hamper early adoption in developing countries. Furthermore, thermal imaging cameras are gaining high traction in the commercial sector, which is expected to provide lucrative opportunities for the global thermal imaging camera industry during the forecast period.

The camera segment dominated the thermal imaging camera market share in 2020, owing surge in demand for thermal cameras with the outbreak of the COVID-19 pandemic. The uncooled segment garnered significant market share in 2020, owing to its lower cost and wide range of product offerings. Security & surveillance had a prominent market share in 2020, due to greater demand for high-end security devices across various sectors. The aerospace & defense segment was the highest contributor to the market in 2020. The industrial and commercial sectors collectively accounted for around 40.0% thermal imaging camera market share in 2020, owing to the surge in cloud-based solutions that fuel the growth of the smart camera segment. By sales channel, the direct segment dominated the market, as customers directly placed their orders for thermal cameras according to their requirements, thereby allowing customization of the customers.

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The Thermal Imaging Camera industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Key players in the Thermal Imaging Camera market include:

- Bullard
- Cox
- Fluke Corporation
- InfraTec GmbH Infrarotsensorik und Messtechnik
- Opgal
- SATIR
- Seek Thermal
- Synectics plc
- Teledyne FLIR LLC

The sudden outbreak of the COVID-19 pandemic has forced industries to adopt advanced safety and health protection measures. Thermal imaging has been a preferred potent, cost-effective

measure to safeguard workplace safety and inhibit further spreading of the virus. Thermal imaging cameras have now become an indispensable part of a surveillance equipment system for any business. Consequently, the emergence of the COVID-19 pandemic has fueled the thermal imaging camera market growth during the forecast period.

Region-wise, North America is a key contributor to the global thermal imaging camera market revenue. This is attributed to amplified spending on armed forces in the U.S. This increased spending is aimed at equipping the armed forces with advanced military gear, including these cameras, to efficiently conduct surveillance and security operations. Moreover, the region has major players offering advanced solutions.

This is attributed to the extensive adoption of advanced technology by the region, which is expected to propel the market growth.

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- In 2020, the uncooled segment accounted for the maximum revenue and is projected to grow at a notable CAGR of 8.1% during the forecast period.
- Industrial and aerospace & defense together accounted for around 50.0% of the global thermal imaging camera market share in 2020.
- The monitoring & inspection of the global market is projected to grow at a CAGR of 9.9% during the forecast period.
- Asia-Pacific contributed a major share of the global thermal imaging camera market, accounting for more than 45.0% share in 2020.

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