

US IR (Infrared) Camera Market Size study, by Detector (Cooled, Uncooled), By Type (Near and Short-wavelength IR, Medium-wavelength IR, Long-wavelength IR), By Material (Germanium, Silicon, Sapphire, Other Materials), By End Use (Military and Defense, Automotive, Industrial, Commercial and Public, Residential, Other) Forecasts 2022-2032

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Abstracts

US IR (Infrared) Camera Market is valued approximately USD 1.73 Billion in 2023 and is anticipated to grow with a healthy growth rate of more than 7.88% over the forecast period 2024-2032. Infrared (IR) cameras create images using temperature differences, capturing heat radiation rather than visible light from objects. They are in growing demand for environmental monitoring, medical diagnostics, security surveillance, and firefighting. Their significance involves in their ability to detect heat signatures, identify abnormalities, and improve vision in low-light situations. They function at wavelengths that are outside of the visible spectrum. The rise in innovations in IR camera technology is a key trend for the US IR (Infrared) Camera Market. The US market is witnessing continuous advancements in IR camera technology, such as higher resolution sensors, improved thermal sensitivity, and integration with artificial intelligence (AI) algorithms. These advancements enhance the performance, accuracy, and functionality of IR cameras, propelling their adoption across various sectors.

Increased concerns about public safety and security are driving the adoption of IR cameras in surveillance systems for urban security, critical infrastructure protection, and border control. Also, the U.S. government's significant investments in national security and defense drive the demand for advanced IR cameras. These cameras are crucial for surveillance, night vision, target acquisition, and reconnaissance in various defense

applications. Additionally, the use of IR cameras in environmental monitoring, agriculture, and supportive government regulations further fuel market growth across diverse sectors. Furthermore, a strong manufacturing base in the US leads to a demand for IR cameras for quality control, monitoring production lines, and preventive maintenance. IR cameras aid in early detection of equipment issues and ensure smooth operation, which is leveraging growth opportunities for the demand of IR Cameras. However, it is anticipated that the Asia Pacific IR (Infrared) Camera Market is hindered due to strict import/export laws and a lack of precision in camera functions between 2024 and 2032.

Major market player included in this report are:

Teledyne FLIR LLC

Raytheon Company

Seek Thermal, Inc.

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Detector

Cooled

Uncooled

By Type

Near and Short-wavelength IR

Medium-wavelength IR

Long-wavelength IR

By Material

Germanium

Silicon

Sapphire

Other Materials

By End Use

Military and Defense

Automotive

Industrial

Commercial and Public

Residential

Other

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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