

US Thermal Scanners Market Size study, by Type (Handheld, Fixed), By Wavelength (Short-Wave Infrared (SWIR), Mid-Wave Infrared (MWIR), Long-Wave Infrared (LWIR)), By End Use (Industrial, Healthcare, Aerospace & Defense, Automotive, Oil & Gas, Commercial, Others) Forecasts 2022-2032

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Abstracts

US Thermal Scanners Market is valued at approximately USD 1.39 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 4.80% over the forecast period 2024-2032. Thermal scanners, or thermal imaging cameras, detect and measure infrared radiation (heat) emitted by objects, converting it into visual images that show temperature variations. These devices are widely used for fever screening in public health, building and electrical inspections, mechanical monitoring, law enforcement, wildlife observation, and more. They offer the advantage of non-contact, real-time temperature measurement, making them useful in hazardous or inaccessible areas. The rise in technological Advancements for enhancing imaging capabilities is a key trend for the US Thermal Scanners Market. Continuous improvements in sensor technology are leading to higher resolution and more accurate thermal imaging, enhancing the effectiveness of these devices.

US is poised to lead the thermal scanner market due to the rising collaboration with international partners and participation in global trade contribute to technology exchange, market expansion, and access to advanced thermal imaging solutions. For instance, in January 2024, Valeo, a key technology partner of mobility actors across the world, and Teledyne Flir, a part of Teledyne Technologies Incorporated, have launched a strategic partnership to provide thermal imaging technology to the automobile sector to improve the safety of road users. Together, the team obtained a significant contract in

late 2023 from a top worldwide automobile OEM. to supply their revolutionary thermal imaging cameras as part of a new generation of advanced driver-assistance systems (ADAS) driver-aide technologies to increase vehicle and road safety. Thus, such initiatives are expected to contribute to the growth of US Thermal Scanners Market. Furthermore, regulatory support, stringent standards, and government initiatives promoting advanced technologies and public safety measures contribute to the expansion of the thermal scanner market in the US. Additionally, the rising integration of thermal imaging capabilities into consumer electronics, such as smartphones and home security systems, driven by consumer demand and technological advancements, further boosts the growth of the thermal scanner market in the US. However, the expansion of the US Thermal Scanners Market is anticipated to be hindered by export limitations placed on thermal imaging goods, in addition to their inapplicability for glass and water between 2024 and 2032.

Major market player included in this report are:

Fluke Corporation

Leonardo S.p.A.

Optotherm, 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 Type

Handheld

Fixed

By Wavelength

Short-Wave Infrared (SWIR)

Mid-Wave Infrared (MWIR)

Long-Wave Infrared (LWIR)

By End Use

Industrial

Healthcare

Aerospace & Defense

Automotive

Oil & Gas

Commercial

Others

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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