

Middle East Thermal Imaging Systems Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The Middle East Thermal Imaging Systems market is expected to grow at a CAGR of 8.76% from 2022-to 2027. The market is expected to have a steady growth due to the increased thermal camera usage across various industries, including Aerospace and Defense, Automotive, Healthcare and Life Sciences, Oil and Gas, Food and Beverages, and others.

Key Highlights

In the Middle East, there is a lot of conflict between ISIS, Al-Qaeda, Al-Shabaab, Boko Haram, and other terrorist groups. In both Africa and the Middle East, there is always geopolitical upheaval. The Middle East is a significant buyer of military hardware. Thermal imaging technology aids the military forces in the region in their war against rebels and terrorists in the region's rough terrains.

Thermal imaging is an example of a technology that began in military applications and is now employed in various industries. With uses spanning from military to personal portable cameras and cellphones, thermal imaging transforms the world. Though it has a wide range of applications, some connected to saving lives have proven to be game-changers. These devices have grown more compact, user-friendly, and capable of producing high-resolution pictures.

Increased demand for IR cameras is driven by factors such as the growing need for surveillance across a wide range of industries, the continual reduction of thermal camera costs, and the rapid development of high-speed infrared cameras. Inaccurate measurements and picture color problems associated with cameras, on the other hand, are posing a threat to the industry's growth. The military and defense industries, as well as vehicles, rely heavily on infrared cameras.

COVID-19's breakout and spread have caused a halt in the region's economic development. It has harmed several sectors, including thermal imaging. Companies are preparing and trying to keep their operations running. The primary obstacles that businesses encounter are product manufacturing and distribution. To restrict the spread of the epidemic, some nations worldwide have implemented or extended lockdowns, causing interruptions in the thermal imaging market's supply chain.

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MEA Thermal Imaging Systems Market Trends

Military and defense sector is expected to drive the market

The military and defense industries were among the first to use infrared and thermal imaging devices. With the defense sector's increased investment in surveillance, the use of infrared and thermal imaging equipment is projected to grow in the future. Governments all across the region are investing in next-generation technology by giving better and more accurate information to military troops. As the use of IR thermography equipment in the military industry has grown, this has had an influence on the rise of infrared cameras, particularly short-wavelength IR cameras.

There is a significant trend of increasing crime and violence in the region. As a result of this element, the budgets of the homeland security forces have increased in order to purchase advanced protection systems and devices. With an expanding number of non-lethal and deadly weapons, modern combat has grown increasingly asymmetric. According to the Global Firepower, Algeria has the greatest defense expenditure budget in Africa as of 2021, reaching USD 13.9 billion and ranking 21st globally. Egypt and Angola came in second and third, with around USD 10 billion and USD 7.7 billion dollars, respectively.

Thermal imaging is also being more widely used in the Automotive Sector

The automobile industry is now gaining traction with high-tech autonomous cars, also known as Advanced Driver-Assistance Systems (ADAS) or driverless vehicles. Multiple sensors, including thermal cameras, Radio Detection and Ranging (RADAR), Light Detection and Ranging (LIDAR) sensor, and proximity sensor, substitute drivers in these cars to enable automated driving, navigation, and better situational awareness.

To increase night vision and identify people or animals in foggy, crowded areas and foggy situations, thermal imaging cameras are integrated into driverless cars, which instantly stop the vehicle to avoid any casualties.

Thermal imaging cameras are used in the automobile industry to allow drivers to see in harsh lighting and weather situations to avoid accidents and assure safety. Automotive manufacturers and thermal imaging solution suppliers are working together to develop innovative thermal solutions for the automotive industry.

Moreover, thermal imaging technology is also utilized for non-destructive inspection of automotive parts and micro-components to assure vehicle safety while saving time and money.

MEA Thermal Imaging Systems Market Competitor Analysis

The Middle East Thermal Imaging Systems market is partially fragmented and consists of several major players. Some of the major players like Flir, Bae Systems, Elbit Systems Ltd., Raytheon Co., L-3 Communications are already present in the thermal imaging systems market. However, with innovative solutions, many of the companies are increasing their market presence by securing new contracts and by tapping new markets.

November 2021: Teledyne FLIR Launches Online Developer Support Tools for Lepton Thermal Camera Module Integration. Working with developers, Teledyne FLIR has created a new set of extensive online support tools to enable the next generation of designers, developers, and engineers to create new devices and applications using the Lepton.

May 2021: Xenics has launched the Dione S 640, a new SWaP high-performance uncooled long-wave infrared (LWIR) camera. With

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this new product, the Dione family expands to include extremely demanding applications in the safety and security industries, as well as industrial applications.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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