

## **Latin America Thermal Imaging Systems Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 110 pages | Mordor Intelligence

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### **Report description:**

The Latin American thermal imaging systems market is expected to witness a CAGR of 7.95% 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, and Food and Beverage.

#### Key Highlights

The Latin American area is aggressively investing in its military for various reasons. Various nations in the area are expanding their military budgets, including border control, anti-piracy operations, and combat organized crime and drug cartels. Thermal imaging aids armies in various ways, including tracing minor movements near borders, whether on land or at sea.

Clinical Thermography (CT), often known as thermal imaging, is a non-invasive screening and diagnostic approach that can be used in conjunction with mammography or another scanning or diagnostic instrument. Thermal cameras are used in clinical thermography to identify cancer, infections, traumas, and vascular disease at an early stage. Thermal cameras create pictures depending on the amount of heat radiated by the human body, making it one of the greatest preventative health screening approaches. As a result, the thermal imaging market is likely to grow in the future as prospects for thermal imaging in healthcare applications expand.

Due to technological improvements, companies have also downsized IR and thermal imaging sensors, making them very efficient and thereby enhancing their simplicity of use. Handheld infrared and thermal imaging systems are gaining popularity due to their mobility. They are finding uses in various industries, including hospitals, to save maintenance times and heating costs.

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 pandemic, some nations worldwide have implemented or extended lockdowns, causing interruptions in the thermal imaging market's supply chain.

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## Latin America Thermal Imaging Systems Market Trends

### Thermal Imaging is More Prevalent 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.

### Increasing Defense Spending 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 Latin America 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 homeland security forces' budgets have increased to purchase advanced protection systems and devices. Modern combat has grown increasingly asymmetric with an expanding number of non-lethal and deadly weapons.

### Latin America Thermal Imaging Systems Market Competitor Analysis

The Latin American Thermal Imaging Systems market is partially fragmented and consists of several major players. Some of the major players like Axis Communications, Flir, Fluke Corporation, Bae Systems, Elbit Systems Ltd, Raytheon Co., and Lockheed Martin 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.

January 2022: Xenics has launched the Ceres T 1280, a new high-performance, high-resolution thermographic long-wave infrared (LWIR) camera. Xenics is expanding its high-performance thermographic camera line with the Ceres T 1280.

November 2021: Teledyne FLIR launched 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.

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Additional Benefits:

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

## **Table of Contents:**

### 1 INTRODUCTION

1.1 Study Assumptions and Market Definition

1.2 Scope of the Study

### 2 RESEARCH METHODOLOGY

### 3 EXECUTIVE SUMMARY

### 4 MARKET INSIGHTS

4.1 Market Overview

4.2 Value Chain / Supply Chain Analysis

4.3 Industry Attractiveness - Porter's Five Forces Analysis

4.3.1 Threat of New Entrants

4.3.2 Bargaining Power of Buyers

4.3.3 Bargaining Power of Suppliers

4.3.4 Threat of Substitute Products

4.3.5 Intensity of Competitive Rivalry

4.4 Assessment of COVID-19 Impact on the Industry

### 5 MARKET DYNAMICS

5.1 Market Drivers

5.1.1 Thermal Imaging Increasingly Used in Various Applications

5.1.2 Technological Upgradations in Thermal Imaging Systems

5.2 Market Restraints

5.2.1 Lack of Regular Support and Services

### 6 MARKET SEGMENTATION

6.1 By Solutions

6.1.1 Hardware

6.1.2 Software

6.1.3 Services

6.2 By Product Type

6.2.1 Fixed Thermal Cameras

6.2.2 Handheld Thermal Cameras

6.3 By Application

6.3.1 Security and Surveillance

6.3.2 Monitoring and Inspection

6.3.3 Detection and Measurement

6.4 By End User

6.4.1 Aerospace and Defense

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- 6.4.2 Automotive
- 6.4.3 Healthcare and Life Sciences
- 6.4.4 Oil and Gas
- 6.4.5 Food and Beverage
- 6.4.6 Other End Users
- 6.5 By Country
  - 6.5.1 Brazil
  - 6.5.2 Argentina
  - 6.5.3 Rest of Latin America

## 7 COMPETITIVE LANDSCAPE

- 7.1 Company Profiles
  - 7.1.1 Flir Systems Inc.
  - 7.1.2 L-3 Communications Holdings
  - 7.1.3 Lockheed Martin
  - 7.1.4 BAE Systems PLC
  - 7.1.5 Fluke Corporation
  - 7.1.6 Elbit Systems Ltd
  - 7.1.7 Raytheon Co.
  - 7.1.8 Axis Communications
  - 7.1.9 Leonardo SpA

## 8 INVESTMENT ANALYSIS

## 9 FUTURE OF THE MARKET

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