

# Global Thermal Imaging Smartphone Market Growth 2025-2031

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## Abstracts

The global Thermal Imaging Smartphone market size is predicted to grow from US\$ 75.2 million in 2025 to US\$ 111 million in 2031; it is expected to grow at a CAGR of 6.6% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Thermal Imaging Smartphone is a device that integrates infrared thermal imaging technology into a smartphone. It can detect the infrared radiation emitted by objects and convert it into a visualized thermal image, allowing users to view the temperature distribution of the object in real time on the phone screen. Such a phone is usually equipped with an infrared thermal imaging module, including key components such as an infrared detector, optical lens, and signal processing unit, and can achieve various functions, such as temperature measurement, thermal imaging photography, and thermal video recording. It is widely used in industrial inspection, building inspection, medical assistance, outdoor exploration, and car fault diagnosis, providing users with multiple temperature detection and analysis methods in various scenarios.

United States market for Thermal Imaging Smartphone is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Thermal Imaging Smartphone is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Thermal Imaging Smartphone is estimated to increase from US\$

million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Thermal Imaging Smartphone players cover Teledyne FLIR, Ulefone Global., DOOGEE, Caterpillar, Raytron Technology, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Thermal Imaging Smartphone Industry Forecast" looks at past sales and reviews total world Thermal Imaging Smartphone sales in 2024, providing a comprehensive analysis by region and market sector of projected Thermal Imaging Smartphone sales for 2025 through 2031. With Thermal Imaging Smartphone sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Thermal Imaging Smartphone industry.

This Insight Report provides a comprehensive analysis of the global Thermal Imaging Smartphone landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Thermal Imaging Smartphone portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Thermal Imaging Smartphone market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Thermal Imaging Smartphone and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Thermal Imaging Smartphone.

This report presents a comprehensive overview, market shares, and growth opportunities of Thermal Imaging Smartphone market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Consumer level

Industrial level

Segmentation by Application:

Industrial Inspection

Building Inspection

Security Monitoring

Outdoor Exploration

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Teledyne FLIR

Ulefone Global.

DOOGEE

Caterpillar

Raytron Technology

OXO Technology

Shenzhen Aoro Communication Equipment

Sait Infrared Technology

AGM

Shenzhen Conquest Technology

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Thermal Imaging Smartphone market?

What factors are driving Thermal Imaging Smartphone market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Thermal Imaging Smartphone market opportunities vary by end market size?

How does Thermal Imaging Smartphone break out by Type, by Application?

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