

Global AI-based Fever Detection Camera Market Size study, by Type (Turret/Bullet Cameras, Handheld Cameras), by End-user (Airports, Hospitals, Public Places, Enterprises/Factories, Banks, Others) and Regional Forecasts 2022-2032

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Abstracts

Global AI-based Fever Detection Camera Market is valued at approximately USD 1.61 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.2% over the forecast period 2024-2032. The AI-based fever detection camera market involves the development and deployment of thermal imaging cameras integrated with artificial intelligence algorithms to detect and monitor elevated body temperatures in individuals. These systems are used across various industries and settings, particularly in situations where rapid screening for fever is necessary, such as during pandemics or in high-traffic areas. The worldwide surge in the growth of corona-infected people has led to the emergence of advanced artificial intelligence-based fever detection cameras to monitor and detect human body temperature. As the vaccine for coronavirus is still in its development stage, isolating the infected person from the crowd remains crucial. These cameras are being considered efficient and effective devices to identify individuals with high temperatures, a symptom of coronavirus. Most airports, hospitals, factories, and other public places have deployed these cameras to scan crowds and protect the health of employees and the public.

The market is experiencing growth driven by the rapid spread of coronavirus and the subsequent unavailability of vaccines, which puts immense stress on the global health system. AI-powered fever cameras can detect individuals within crowds with high accuracy in temperature screening, sending immediate alerts to officials. For instance, in April 2020, Agrex.ai, an Indian startup, developed a fever detection solution that can screen almost 100 people per minute using AI, thermal camera processing, and face

recognition technology. Such innovations have significantly increased the demand for these cameras. Moreover, the proliferation of temperature detection cameras in crowded places and the development of advanced AI technologies present various lucrative opportunities over the forecast years. However, there are challenges regarding temperature variance and accuracy issues that may obstruct market growth. Although some manufacturers claim camera detection accuracy to be as precise as 0.3°C, practical use may reveal overinflated accuracy levels. Environmental factors and the positioning of the cameras can affect the readings, leading to potential inaccuracies. Additionally, the high cost associated with AI-based fever detection cameras may hinder some companies from shifting from conventional to advanced cameras.

The key regions considered for the Global AI-based Fever Detection Camera Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. Europe is a dominating region in the Global AI-based Fever Detection Camera Market in terms of revenue. The market growth in the region is being attributed to factors including the spread of disease, tech companies have developed AI-based fever detection cameras that can identify individuals with elevated temperatures in crowded areas. These companies are also exploring other advanced technologies to further reduce the transmission of illnesses. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by the pandemic, prompting local companies to innovate and create fever detection solutions for deployment in public spaces, hospitals, and airports.

Major market players included in this report are:

Altoros (California, United States)
AnyConnect Private Limited (Singapore)
Athena Security, Inc. (Austin, United States)
Australia PTY LTD. (Australia)
FLIR Systems, Inc. (Oregon, United States)
Hangzhou Hikvision Digital Technology Co., Ltd. (Hangzhou, China)
Honeywell International Inc. (North Carolina, United States)
Johnson Controls (Cork, Ireland)
Kogniz, Inc. (California, United States)
Mantra Softech (India) Pvt. Ltd. (India)
Nippon Avionics Co., Ltd. (Osaka, Japan)
Platinum CCTV (United States)
Scylla (California, United States)
Vantage Security (West Midlands, United Kingdom)
Zhejiang Dahua Technology Co., Ltd.

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

By Type:

Turret/Bullet Cameras

Handheld Cameras

By End-user:

Airports

Hospitals

Public Places

Enterprises/Factories

Banks

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

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 regional 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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