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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.

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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

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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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Contents

CHAPTER 1. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET EXECUTIVE SUMMARY

1.1. Global AI-based Fever Detection Camera Market Size & Forecast (2022-2032)
1.2. Regional Summary
1.3. Segmental Summary
  1.3.1. By Type
  1.3.2. By End-user
1.4. Key Trends
1.5. Recession Impact
1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET DEFINITION AND RESEARCH ASSUMPTIONS

2.1. Research Objective
2.2. Market Definition
2.3. Research Assumptions
  2.3.1. Inclusion & Exclusion
  2.3.2. Limitations
  2.3.3. Supply Side Analysis
    2.3.3.1. Availability
    2.3.3.2. Infrastructure
    2.3.3.3. Regulatory Environment
    2.3.3.4. Market Competition
    2.3.3.5. Economic Viability (Consumer’s Perspective)
  2.3.4. Demand Side Analysis
    2.3.4.1. Regulatory frameworks
    2.3.4.2. Technological Advancements
    2.3.4.3. Environmental Considerations
    2.3.4.4. Consumer Awareness & Acceptance
2.4. Estimation Methodology
2.5. Years Considered for the Study
2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET DYNAMICS

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3.1. Market Drivers
3.1.1. Rapid Spread of Coronavirus Across the World
3.1.2. Increasing Demand for AI-based Detection Solutions
3.2. Market Challenges
3.2.1. Temperature Variance and Accuracy Issues
3.2.2. High Cost of AI-based Fever Detection Cameras
3.3. Market Opportunities
3.3.1. Proliferation of Temperature Detection Cameras at Crowded Places
3.3.2. Development of Advanced AI Technologies

CHAPTER 4. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET INDUSTRY ANALYSIS

4.1. Porter’s 5 Force Model
4.1.1. Bargaining Power of Suppliers
4.1.2. Bargaining Power of Buyers
4.1.3. Threat of New Entrants
4.1.4. Threat of Substitutes
4.1.5. Competitive Rivalry
4.1.6. Futuristic Approach to Porter’s 5 Force Model
4.1.7. Porter’s 5 Force Impact Analysis
4.2. PESTEL Analysis
4.2.1. Political
4.2.2. Economical
4.2.3. Social
4.2.4. Technological
4.2.5. Environmental
4.2.6. Legal
4.3. Top investment opportunity
4.4. Top winning strategies
4.5. Disruptive Trends
4.6. Industry Expert Perspective
4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1. Segment Dashboard

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5.2. Global AI-based Fever Detection Camera Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)
5.2.1. Turret/Bullet Cameras
5.2.2. Handheld Cameras

CHAPTER 6. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET SIZE & FORECASTS BY END-USER 2022-2032

6.1. Segment Dashboard
6.2. Global AI-based Fever Detection Camera Market: End-user Revenue Trend Analysis, 2022 & 2032 (USD Billion)
6.2.1. Airports
6.2.2. Hospitals
6.2.3. Public Places
6.2.4. Enterprises/Factories
6.2.5. Banks
6.2.6. Others

CHAPTER 7. GLOBAL AI-BASED FEVER DETECTION CAMERA MARKET SIZE & FORECASTS BY REGION 2022-2032

7.1. North America AI-based Fever Detection Camera Market
7.1.1. U.S. AI-based Fever Detection Camera Market
7.1.1.1. Type breakdown size & forecasts, 2022-2032
7.1.1.2. End-user breakdown size & forecasts, 2022-2032
7.1.2. Canada AI-based Fever Detection Camera Market
7.2. Europe AI-based Fever Detection Camera Market
7.2.1. U.K. AI-based Fever Detection Camera Market
7.2.2. Germany AI-based Fever Detection Camera Market
7.2.3. France AI-based Fever Detection Camera Market
7.2.4. Spain AI-based Fever Detection Camera Market
7.2.5. Italy AI-based Fever Detection Camera Market
7.2.6. Rest of Europe AI-based Fever Detection Camera Market
7.3. Asia-Pacific AI-based Fever Detection Camera Market
7.3.1. China AI-based Fever Detection Camera Market
7.3.2. India AI-based Fever Detection Camera Market
7.3.3. Japan AI-based Fever Detection Camera Market
7.3.4. Australia AI-based Fever Detection Camera Market
7.3.5. South Korea AI-based Fever Detection Camera Market

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7.3.6. Rest of Asia Pacific AI-based Fever Detection Camera Market
7.4. Latin America AI-based Fever Detection Camera Market
7.4.1. Brazil AI-based Fever Detection Camera Market
7.4.2. Mexico AI-based Fever Detection Camera Market
7.4.3. Rest of Latin America AI-based Fever Detection Camera Market
7.5. Middle East & Africa AI-based Fever Detection Camera Market
7.5.1. Saudi Arabia AI-based Fever Detection Camera Market
7.5.2. South Africa AI-based Fever Detection Camera Market
7.5.3. Rest of Middle East & Africa AI-based Fever Detection Camera Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis
8.1.1. Company
8.1.2. Company
8.1.3. Company
8.2. Top Market Strategies
8.3. Company Profiles
8.3.1. Altoros (California, United States)
8.3.1.1. Key Information
8.3.1.2. Overview
8.3.1.3. Financial (Subject to Data Availability)
8.3.1.4. Product Summary
8.3.1.5. Market Strategies
8.3.2. AnyConnect Private Limited (Singapore)
8.3.3. Athena Security, Inc. (Austin, United States)
8.3.4. Australia PTY LTD. (Australia)
8.3.5. FLIR Systems, Inc. (Oregon, United States)
8.3.6. Hangzhou Hikvision Digital Technology Co., Ltd. (Hangzhou, China)
8.3.7. Honeywell International Inc. (North Carolina, United States)
8.3.8. Johnson Controls (Cork, Ireland)
8.3.9. Kogniz, Inc. (California, United States)
8.3.10. Mantra Softech (India) Pvt. Ltd. (India)
8.3.11. Nippon Avionics Co., Ltd. (Osaka, Japan)
8.3.12. Platinum CCTV (United States)
8.3.13. Scylla (California, United States)
8.3.14. Vantage Security (West Midlands, United Kingdom)
8.3.15. Zhejiang Dahua Technology Co., Ltd.

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CHAPTER 9. RESEARCH PROCESS

9.1. Research Process
  9.1.1. Data Mining
  9.1.2. Analysis
  9.1.3. Market Estimation
  9.1.4. Validation
  9.1.5. Publishing
9.2. Research Attributes

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List Of Tables

LIST OF TABLES

TABLE 1. Global AI-based Fever Detection Camera market, report scope
TABLE 2. Global AI-based Fever Detection Camera market estimates & forecasts by Region 2022-2032 (USD Billion)
TABLE 3. Global AI-based Fever Detection Camera market estimates & forecasts by Type 2022-2032 (USD Billion)
TABLE 4. Global AI-based Fever Detection Camera market estimates & forecasts by End-user 2022-2032 (USD Billion)
TABLE 5. Global AI-based Fever Detection Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 6. Global AI-based Fever Detection Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 7. Global AI-based Fever Detection Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 8. Global AI-based Fever Detection Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 9. Global AI-based Fever Detection Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 10. Global AI-based Fever Detection Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 11. Global AI-based Fever Detection Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 12. Global AI-based Fever Detection Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 13. Global AI-based Fever Detection Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 14. Global AI-based Fever Detection Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)
TABLE 15. U.S. AI-based Fever Detection Camera market estimates & forecasts, 2022-2032 (USD Billion)
TABLE 16. U.S. AI-based Fever Detection Camera market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 17. U.S. AI-based Fever Detection Camera market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 18. Canada AI-based Fever Detection Camera market estimates & forecasts, 2022-2032 (USD Billion)

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TABLE 19. Canada AI-based Fever Detection Camera market estimates & forecasts by segment 2022-2032 (USD Billion)
TABLE 20. Canada AI-based Fever Detection Camera market estimates & forecasts by segment 2022-2032 (USD Billion)
.....
This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

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List Of Figures

LIST OF FIGURES

FIG 1. Global AI-based Fever Detection Camera market, research methodology
FIG 2. Global AI-based Fever Detection Camera market, market estimation techniques
FIG 3. Global market size estimates & forecast methods.
FIG 4. Global AI-based Fever Detection Camera market, key trends 2023
FIG 5. Global AI-based Fever Detection Camera market, growth prospects 2022-2032
FIG 6. Global AI-based Fever Detection Camera market, porters 5 force model
FIG 7. Global AI-based Fever Detection Camera market, PESTEL analysis
FIG 8. Global AI-based Fever Detection Camera market, value chain analysis
FIG 9. Global AI-based Fever Detection Camera market by segment, 2022 & 2032 (USD Billion)
FIG 10. Global AI-based Fever Detection Camera market by segment, 2022 & 2032 (USD Billion)
FIG 11. Global AI-based Fever Detection Camera market by segment, 2022 & 2032 (USD Billion)
FIG 12. Global AI-based Fever Detection Camera market by segment, 2022 & 2032 (USD Billion)
FIG 13. Global AI-based Fever Detection Camera market by segment, 2022 & 2032 (USD Billion)
FIG 14. Global AI-based Fever Detection Camera market, regional snapshot 2022 & 2032
FIG 15. North America AI-based Fever Detection Camera market 2022 & 2032 (USD Billion)
FIG 16. Europe AI-based Fever Detection Camera market 2022 & 2032 (USD Billion)
FIG 17. Asia pacific AI-based Fever Detection Camera market 2022 & 2032 (USD Billion)
FIG 18. Latin America AI-based Fever Detection Camera market 2022 & 2032 (USD Billion)
FIG 19. Middle East & Africa AI-based Fever Detection Camera market 2022 & 2032 (USD Billion)
FIG 20. Global AI-based Fever Detection Camera market, company market share analysis (2023)
.....
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