

Global AI Camera Market

Market Research Report | 2024-01-09 | 89 pages | BCC Research

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Report description:

Description

Report Scope:

Digital cameras are available in two modes: an AI camera and a simple camera. This report focuses specifically on AI cameras, which comprise more than 75% of the camera market. In this report, the global market of AI cameras has been segmented based on offerings, product type, technology, end users, and geographical region. Based on offerings, the AI camera market has been categorized into hardware and software. Based on product type, the AI camera market has been categorized into compact cameras, closed-circuit television (CCTV) cameras, digital single-lens reflex (DSLR) cameras, 360-degree cameras, and others. Based on technology, the AI camera market has been categorized into image/face recognition, voice/speech recognition, and optical character recognition. Based on end users, the AI camera market has been categorized into consumer electronics, security and surveillance, retail/e-commerce, healthcare, automotive, manufacturing, and others. By geography, the market has been segmented into North America, Europe, Asia-Pacific, and the Rest of the World (RoW). Asia-Pacific currently is the most dominant market for AI cameras.

Report Includes:

- An overview of the global market for AI cameras
- Analysis of global market trends, featuring historical revenue data for 2022, estimated figures for 2023, as well as forecasts for 2024, and 2026. This analysis includes projections of compound annual growth rates (CAGRs) through 2028
- Evaluation of the current market size and revenue growth prospects, accompanied by a market share analysis by offering, product type, technology, end user and geographic region
- Discussion on the advantages of AI cameras, such as discerning patterns, identifying objects, and predicting potential security threats

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- Coverage of emerging technologies, the current and future market potential, and the regulatory framework
- Review of patents and ESG trends related to AI cameras
- Market share analysis of the key companies in the industry and coverage of mergers & acquisitions, joint ventures, collaborations, partnerships, and other market strategies
- Profiles of the leading market participants

Executive Summary

Summary:

An AI camera is a device that utilizes advanced technology to ensure that users remain in the frame, and it even enables users to manipulate it using gestures. Depending on the model, some cameras require an app or extra software download, while others employ a USB connection or alternative connection types.

The key advantage of AI cameras is their ability to implement video alarms. This feature lets business owners promptly detect suspicious activity or incidents. By using artificial intelligence (AI) algorithms, these cameras can differentiate between normal and abnormal behavior, triggering an alarm when necessary. This helps prevent potential threats and enables business owners to verify alarms remotely, reducing false alarms and unnecessary disruptions. Moreover, AI cameras can swiftly share real-time footage with emergency responders, providing them with crucial information to respond effectively and efficiently.

Another significant advantage of AI cameras is their capability to facilitate people- and traffic-counting. By utilizing advanced computer vision algorithms, these cameras can count the number of people entering. This information is valuable for businesses, as it helps users track customer footfall, measure conversion rates, and optimize staffing levels. Similarly, businesses can monitor the flow of vehicles, identify peak hours, and make informed decisions regarding traffic management and parking facilities.

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