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# Global Automatic Human Posture Recognition Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Automatic Human Posture Recognition market size was valued at US$ 768 million in 2025 and is forecast to a readjusted size of US$ 1174 million by 2032 with a CAGR of 6.3% during review period.

Automatic human pose recognition refers to the core technology that uses computer vision and deep learning algorithms to automatically detect and analyze the positions of key human joints (such as head, shoulders, elbows, wrists, hips, knees, and ankles) from images or videos captured by cameras, constructing a human 'skeleton' model to determine the current posture or movement pattern of a person, such as standing, sitting, walking, bending over, raising hands, or falling. The system typically includes several steps: human detection, keypoint localization, skeleton modeling, and pose classification. It can run on ordinary cameras or even mobile phone cameras and is widely used in motion and rehabilitation training action evaluation, intelligent fitness/dance scoring, human-computer interaction, abnormal posture (such as falls and climbing over railings) recognition in security scenarios, and intelligent monitoring of dangerous postures and violations by workers in industrial settings.

From the demand side, automatic human pose recognition has quietly become a 'fundamental capability,' although most end-users are unaware of this term. On one hand, there are To C scenarios: home fitness apps, smart TVs/motion-sensing games, online rehabilitation training, and 'AI motion scoring' in mini-programs are all using pose recognition to replace expensive motion capture equipment, allowing a mobile phone or camera to perform functions such as posture assessment, yoga/dance movement correction, and monitoring of adolescent hunchback; on the other hand, there are To

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B/To G scenarios: nursing homes and home care use it for fall/prolonged bed rest monitoring, factories, warehouses, and construction sites use it to identify violations such as bending over to carry objects, climbing to high places, and entering dangerous areas, and subways/shopping malls/scenic spots are beginning to experiment with 'pose + behavior' recognition to detect abnormal gatherings, fights, and fence jumping. As the advantages of 'non-intrusive, non-wearable, and low-cost' are recognized, this technology is expanding from single-point pilot projects to become a 'video surveillance upgrade package' and a 'standard capability for smart terminals.'

From the supply and competitive landscape perspective, automatic human pose recognition has entered a stage where 'general algorithms are reaching their limits, and scenarios and closed loops determine value': the underlying 2D/3D pose models have basically been leveled by large companies and open-source frameworks, and simply selling SDKs or model interfaces has high prices and high substitutability; the real bargaining power lies with players who integrate pose recognition with a complete business closed loop?for example, providing 'action scoring + training prescriptions + risk warnings' in the rehabilitation/sports field, directly linking to alarms, assessments, and team management in industrial safety, and integrating with nursing systems, bedside alarms, and family apps in elderly care. Looking further ahead, as edge computing capabilities are deployed to cameras, NVRs, and other devices, whoever can develop sufficiently lightweight models that perform stably under complex lighting, occlusion, and multi-person scenarios, and who can leverage long-term data to build an 'industry action library' and risk control models, will have the opportunity to upgrade from being 'an algorithm provider' to a 'service provider for safety, health, and efficiency improvement in a specific vertical scenario,' securing recurring subscription and project-based revenue, rather than simply selling a technology solution once.

This report is a detailed and comprehensive analysis for global Automatic Human Posture Recognition market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

**Key Features:**

Global Automatic Human Posture Recognition market size and forecasts, in consumption value ($ Million), 2021-2032

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Global Automatic Human Posture Recognition market size and forecasts by region and country, in consumption value ($ Million), 2021-2032

Global Automatic Human Posture Recognition market size and forecasts, by Type and by Application, in consumption value ($ Million), 2021-2032

Global Automatic Human Posture Recognition market shares of main players, in revenue ($ Million), 2021-2026

**The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automatic Human Posture Recognition

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automatic Human Posture Recognition market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include OpenPose, MoveNet, PoseNet, ChivaCare, Sensor Medica, APECS, DCpose, Yugamiru Cloud, Egoscue, ErgoMaster - NexGen Ergonomics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

**Market segmentation**

Automatic Human Posture Recognition market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

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Market segment by Type

2D

3D

Market segment by Model

Real-time Human Pose Estimation

Offline / High-precision Pose Estimation

Market segment by Quantity

Single-person Pose Estimation

Multi-person Pose Estimation

Market segment by Application

Personal

Commercial

Market segment by players, this report covers

OpenPose

MoveNet

PoseNet

ChivaCare

Sensor Medica

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APECS

DCpose

Yugamiru Cloud

Egoscue

ErgoMaster - NexGen Ergonomics

ProtoKinetics

PhysicalTech

Bodiometer Home

PostureRay

Tracy Dixon-Maynard

DensePose

HighHRNet

AiphaPose

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

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Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Automatic Human Posture Recognition product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Automatic Human Posture Recognition, with revenue, gross margin, and global market share of Automatic Human Posture Recognition from 2021 to 2026.

Chapter 3, the Automatic Human Posture Recognition competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026.and Automatic Human Posture Recognition market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Automatic Human Posture Recognition.

Chapter 13, to describe Automatic Human Posture Recognition research findings and conclusion.

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## 3 MARKET COMPETITION, BY PLAYERS

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