

Human Activity Recognition Market - Opportunities, Share, Growth and Competitive Analysis and Forecast 2029

*The Business Research Company's
Human Activity Recognition Global
Market Report 2025 – Market Size,
Trends, And Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, December 1, 2025

/EINPresswire.com/ -- What Is The
Forecast For The [Human Activity
Recognition Market](#) From 2024 To 2029?

In recent times, the market size of human activity recognition has seen swift expansion. The market, which was at \$6.53 billion in 2024, is projected to swell to \$7.74 billion in 2025, showing a compound annual growth rate (CAGR) of 18.5%. The significant growth witnessed in the past is

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due to factors such as the surge in the use of wearable devices for monitoring fitness and wellness, heightened consumer consciousness about health and safety, increased usage of smart home systems equipped with motion-oriented features, a rise in demand for human-computer interaction applications, widened scope of surveillance and security systems in public areas, and the growing requirement for behavioural analysis in the health and sports sectors.

It is anticipated that the market for human activity recognition will experience a significant surge in size over

the coming years. By the year 2029, it is projected to reach \$15.06 billion, showcasing an impressive compound annual growth rate (CAGR) of 18.1%. The forecasted growth can be associated with numerous factors such as the emerging integration of human activity recognition in car safety systems, escalating attention to remote monitoring of patients and elderly care, the growth of individualised fitness and rehabilitation programs, an intensifying focus on optimising safety and productivity in the workplace, the post-pandemic rise in demand for contactless interaction solutions, and the progressive adoption of smart infrastructure and

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urban mobility plans. The forecast period will be characterised by prominent trends like the technological progress in multimodal sensor fusion, advancements in algorithms for detecting activities in real time, pioneering recognition models aware of context and emotion, advances in edge-based data processing to reduce latency, research and improvement in systems that foster human-machine collaboration, and progress in preserving privacy during data collection and analytics.

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What Are The Core Growth Drivers Shaping The Future Of The Human Activity Recognition Market?

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Which Companies Are Currently Leading In The Human Activity Recognition Market?

Major players in the Human Activity Recognition Global Market Report 2025 include:

- Apple Inc.
- Google LLC
- Microsoft Corporation
- Samsung Electronics Co. Ltd.
- Huawei Technologies Co. Ltd.
- Robert Bosch GmbH
- Sony Corporation
- Intel Corporation
- Xiaomi Corporation
- Qualcomm Technologies Inc.

What Are The Key Trends And Market Opportunities In The Human Activity Recognition Sector?

The market for human activity recognition is seeing significant focus from major businesses on improving sensing technologies for refined real-time monitoring of activities, detection of

movements, and analysis of behavior. These advancements utilize a blend of motion, environmental, and physiological sensors such as accelerometers, temperature sensors, gyroscopes, and heart-rate monitors which help read and understand patterns in human mobility. These upgraded systems pave the way for automated recognition of activities, personalized health insights, and constant physiological tracking. For example, Oura Health Oy, a Finland-based company known for its specialty in wearable technology for health and activity monitoring, introduced the Oura Ring 4 in October 2024. This intelligent sensing device is engineered to identify and categorize user activities while keeping track of sleep, stress, and overall wellbeing. It showcases an improved 3D accelerometer and gyroscope for motion tracking, enhanced smart sensing algorithms for better signal precision, and automatic detection covering over 40 types of activities. The Oura Ring 4 is a testament to how modern sensing technologies are elevating accuracy in activity recognition, user convenience, and customization of health insights.

Comparative Analysis Of Leading [Human Activity Recognition Market Segments](#)

The human activity recognition market covered in this report is segmented –

- 1) By Component: Hardware, Software, Services
- 2) By Technology: Wearable Sensors, Vision-Based, Smartphone-Based, Other Technologies
- 3) By Application: Healthcare, Sports And Fitness, Smart Home, Security And Surveillance, Industrial, Other Applications

Subsegments:

- 1) By Hardware: Sensors, Cameras, Processor Units, Power Management Units, Memory Devices
- 2) By Software: Data Management Software, Signal Processing Software, Real-Time Monitoring Software, Machine Learning Software, Predictive Analytics Software
- 3) By Services: Consulting Services, Integration And Deployment Services, Support And Maintenance Services, Training And Education Services, Managed Services

View the full human activity recognition market report:

<https://www.thebusinessresearchcompany.com/report/human-activity-recognition-global-market-report>

Which Regions Are Dominating The Human Activity Recognition Market Landscape?

In 2024, North America dominated the human activity recognition market. However, Asia-Pacific is predicted to experience the highest growth rate in the coming years. The report examines several regions, including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

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Oliver Guirdham

The Business Research Company

+44 7882 955267

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