

Global 3D Motion Capture System Market Size study, By technology (Optical Systems and Non- Optical Systems), By Component (Hardware, Software and Services), by Application (Media and Entertainment, Biomechanical Research and Medical, Engineering & Design and Industrial Applications, Education and Others) and Regional Forecasts 2020-2027

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Abstracts

Global 3D Motion Capture System Market is valued approximately USD 134.10 million in 2019 and is anticipated to grow with a healthy growth rate of more than 12.10 % over the forecast period 2020-2027. 3D Motion Capture System is referred as a process of recording movements of people or objects. It is widely used in sports, medical, entertainment, military applications and for the validation of robotics and computer visions. Generation of realistic and complex physical movements, real time data availability and good quality animation in less time are anticipated to drive the growth of the market during the forecast period. In addition, the advent of 3D gaming consoles and increase in the usage of cloud-based platforms are the few factors responsible for growth of the market over the forecast period. Furthermore, the introduction of new products and other strategic alliance by the market players will create a lucrative demand for the market. For instance: as per the Max Planck Institute in June 2020, a team of scientists at the Max Planck Institute Systems in Germany has introduced a new algorithm model named VIBE that enables more accurate and detailed estimates of 3D human motion from video than was previously possible. Also, VIBE works on a large-scale motion capture database developed at the institute that can be used for visualization, animation and generating training data for deep learning. Such advancements would drive the growth of the market over the forecast period of 2020-2027. However, specific hardware and software required for data processing and

need for high-end processors are the major factors restraining the growth of global 3D Motion Capture System market during the forecast period.

The regional analysis of global 3D Motion Capture System market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share as the region is one of the most significant markets for 3D motion capture, due to the increasing adoption of advanced technologies in the entertainment, advertising, and medical industries. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027.

Major market player included in this report are:

Noitom

Northern Digital (Ndi)

Optitrack

Vicon Motion System

Xsens Technologies

Motion Analysis

Motus Digital

Phasespace

Qualiysis

Simi Reality Motion Systems

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Optical Systems

Non- Optical Systems

By Component:

Hardware

Software

Services

By Application:

Media and Entertainment

Biomechanical Research and Medical

Engineering & Design and Industrial Applications

Education

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 the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018

Base year – 2019

Forecast period – 2020 to 2027

Target Audience of the Global 3D Motion Capture System Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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COMPANIES MENTIONED

Noitom
Northern Digital (NDI)
Optitrack
Vicon Motion System
Xsens Technologies
Motion Analysis
Motus Digital
Phasespace
Qualiysis
Simi Reality Motion Systems

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