Global 3D Motion Capture System Market Research Report- Global Forecast 2023

Description:

Global 3D Motion Capture System Market, By Type (Hardware, Software, Service), By System (Optical 3D Motion Capture System, Non-Optical 3D Motion Capture System) By End-User (Media and Entertainment, Biomechanical Research and Medical, Engineering & Design and Industrial, Education) - Forecast 2023

Market Synopsis of 3D Motion Capture System Market:

Market Scenario:
The 3D motion capture systems is a real-time motion capture technology. The 3D motion capture feature enables the recreation of complex and realistic physical movements by simplifying them ideal for use. The 3D motion capture system consist of hardware such as sensors, cameras, and other accessories. With the use of these optical cameras and other hardware reach to the highest growth of the 3D motion capture market during the forecast period.

The study indicates that the 3D motion capture market is method to digitally record and capture the movement data that is mapped on a digital model in 3D software. It is used for creating and animating new characters and models & has the largest market size in the media and entertainment application in the forecast period. It is widely used for the purpose of broadcast, live shows, film production, and gaming.

The global The 3D motion capture systems market is expected to grow at USD ~187 Billion by 2023, at ~9% of CAGR between 2017 and 2023.

Study Objectives of the 3D motion capture system Market:

- To provide detailed analysis of the market structure along with forecast of the various segments and sub-segments of the 3D motion capture systems market.
- To provide insights about factors affecting the market growth.
- To analyze the 3D motion capture system market based porter’s five force analysis etc.
- To provide historical and forecast revenue of the market segments and sub-segments with respect to four main geographies and their countries- North America, Europe, Asia Pacific (APAC), and Rest of the World (ROW).
- To provide country level analysis of the market with respect to the current market size and future prospective.
- To provide country level analysis of the market for segment on the basis of type, end-user and region.
- To provide strategic profiling of key players in the market, comprehensively analyzing their core competencies, and drawing a competitive landscape for the market.
- To track and analyze competitive developments such as joint ventures, strategic alliances, mergers and acquisitions, new product developments, and research and developments in the 3D motion capture system market.
3D Motion Capture System Market

Key Players:
The prominent players in the 3D motion capture system Market are – Motion Analysis Corporation (U.S), Codamotion (U.K), Microsoft Corporation (U.S), Noraxon (U.S), Inc., Northern Digital Inc. (NDI), Optitrack (U.S), Phasespace (U.S)Inc., Phoenix Technologies (U.S), Inc., Qualisys AB (Sweden), Synertial Labs Ltd (U.K), VICON Motion Systems Ltd. (U.K), Xsens Technologies B.V (Netherlands) among others.

Segments:
The global 3D motion capture system market has been segmented on the basis of type, system, end users and region.

3D motion capture system Market by Type:
Hardware
- Cameras
- Sensors/LEDs
- Accessories
- Communication Devices

Software
- Packaged Software
- Plug-in Software

Services
- Consulting and Planning
- Installation
- Training, Support and Maintenances

Others

3D motion capture system Market by System:
Optical 3D Motion Capture System
Active 3D Motion Capture System
- Passive 3D Motion Capture System
- 3D Depth Sensing
- Time to Flight
- Structured Light
- Market less 3D Motion Capture System
- Underwater Motion Capture System

Non-Optical 3D Motion Capture System
- Mechanical System
- Inertial System
- Electromagnetic System
3D Motion Capture system Market by End-User:
- Media and Entertainment
- Animation
- Movement Science
- Biomechanical Research and Medical
- Engineering and Design Industrial
- Education
- Others

3D Motion Capture system Market by Region:
- North America
- Europe
- Asia Pacific (APAC)
- Rest of the World (ROW)

Regional Analysis:
The regional analysis of 3D Motion Capture system market is being studied for region such as Asia pacific, North Americas, Europe and Rest of the World. Technological advancements in pixel motion and high definition clarity in X,Y,Z coordinate of angular momentum in all three directions of motion analysis has driven the market of 3D motion capture system in North America and has become the leading in 3D Motion Capture system market. The study reveals that Europe region is expected to show a positive growth in the 3D Motion Capture system market during the forecast period. Asia-Pacific countries like China, Japan and India have a fair share in the 3D Motion Capture system market.

Intended Audience
- Software investors
- 3D Motion Capture solution vendors
- Motion Capture Production
- Original Equipment Manufacturing(OEMs)
- Research Organizations
- Technology standards organizations, forums, and associations
- Governments and investment communities
- Analysts and strategic business planners
- Motion Tracking
- 3D Motion Capture system service providers
- Value-added Resellers
- Distributers
- Investors and Venture Capitalist
- Motion Capture Management Service Provider
- Motion Capture Equipment Providers
- Motion Capture Agencies
- Technology Integrators
- Research/Consultancy firms
2 RESEARCH METHODOLOGY
2.1 RESEARCH TYPE
2.2 PRIMARY RESEARCH
2.3 SECONDARY RESEARCH
2.4 FORECAST MODEL
3 MARKET DYNAMICS
3.1 INTRODUCTION
3.2 MARKET DRIVERS
3.3 MARKET CHALLENGES
3.4 MARKET OPPORTUNITIES
4 EXECUTIVE SUMMARY
5 MARKET FACTOR ANALYSIS
5.1 PORTER’S FIVE FORCES ANALYSIS
5.2 SUPPLY CHAIN ANALYSIS
6 3D MOTION CAPTURE SYSTEM MARKET
6.1 INTRODUCTION
6.2 MARKET STATISTICS
6.2.1 BY TYPE
6.2.1.1 HARDWARE
6.2.1.1.1 CAMERAS
6.2.1.1.2 SENSORS/LEDS
6.2.1.1.3 COMMUNICATION DEVICES
6.2.1.1.4 ACCESSORIES
6.2.1.1.5 OTHERS
6.2.1.2 SOFTWARE
6.2.1.2.1 PACKAGED SOFTWARE
6.2.1.2.2 PLUG IN SOFTWARE
6.2.1.3 SERVICES
6.2.1.3.1 CONSULTING AND PLANNING
6.2.1.3.2 INSTALLATIONS
6.2.1.3.3 TRAINING AND SUPPORTS
6.2.1.4 OTHERS
6.2.2 BY SYSTEMS
6.2.2.1 OPTICAL 3D MOTION CAPTURE SYSTEM
6.2.2.2 NON OPTICAL 3D MOTION CAPTURE SYSTEM
6.2.3 BY END-USER
6.2.3.1 MEDIA AND ENTERTAINMENT
6.2.3.2 ANIMATION
6.2.3.3 MOVEMENT SCIENCE
6.2.3.4 BIOMECHANICAL RESEARCH AND MEDICAL
6.2.3.5 ENGINEERING AND DESIGN INDUSTRIAL
6.2.3.6 EDUCATION
6.2.3.7 OTHERS
6.2.4 BY REGION
6.2.4.1 NORTH AMERICA
6.2.4.2 MEXICO
6.2.4.3 ASIA-PACIFIC
6.2.4.3 REST OF THE WORLD
7 COMPANY PROFILES
7.1 CODAMOTION
7.2 MICROSOFT CORPORATION
7.3 MOTION ANALYSIS CORPORATION
7.4 NORAXON USA, INC.
7.5 Northern DIGITAL,INC (NDI)
7.6 OPTITRACK
7.7 PHASESPACE INC.
7.8 PHOENIX TECHNOLOGIES, INC.
7.9 QUALISYS AB
7.10 SYNERTIAL
7.11 VICON MOTION SYSTEMS LTD.
7.12 XSENS TECHNOLOGIES B.V.
7.11 OTHERS

LIST OF TABLES
TABLE 1 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 2 3D MOTION CAPTURE SYSTEM MARKET, BY SYSTEM
TABLE 3 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 4 3D MOTION CAPTURE SYSTEM MARKET, BY REGIONS
TABLE 5 NORTH AMERICA 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 6 NORTH AMERICA 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 7 U.S. 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 8 U.S. 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 9 CANADA 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 10 CANADA 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 11 EUROPE 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 12 EUROPE 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 13 GERMANY 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 14 GERMANY 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 15 FRANCE 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 16 FRANCE 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 17 U.K. 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 18 U.K. 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 19 REST OF EUROPE 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 20 REST OF EUROPE 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 21 ASIA-PACIFIC 3D MOTION CAPTURE MARKET, BY TYPE
TABLE 22 ASIA-PACIFIC 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER
TABLE 23 REST OF WORLD 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE
TABLE 24 REST OF WORLD 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER

LIST OF FIGURES
FIGURE 1 RESEARCH METHODOLOGY
FIGURE 2 3D MOTION CAPTURE SYSTEM MARKET: BY TYPE (%)
FIGURE 3 3D MOTION CAPTURE SYSTEM MARKET: BY END-USER (%)
FIGURE 4 3D MOTION CAPTURE SYSTEM MARKET: BY REGION
FIGURE 5 NORTH AMERICA 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE (%)
FIGURE 6 NORTH AMERICA 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER (%)

FIGURE 7 EUROPE 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE (%)
FIGURE 8 EUROPE 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER (%)
FIGURE 9 ASIA-PACIFIC 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE (%)
FIGURE 10 ASIA-PACIFIC 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER (%)
FIGURE 11 ROW 3D MOTION CAPTURE SYSTEM MARKET, BY TYPE (%)
FIGURE 12 ROW 3D MOTION CAPTURE SYSTEM MARKET, BY END-USER (%)