

# 3D Imaging Market - Forecasts from 2021 to 2026

<https://marketpublishers.com/r/3B96DE4B1A5EN.html>

Date: February 2021

Pages: 127

Price: US\$ 4,250.00 (Single User License)

ID: 3B96DE4B1A5EN

## Abstracts

The 3D imaging market is expected to grow at a compound annual growth rate of 30.47% over the forecast period to reach a market size of US\$32.156 billion in 2026 from US\$6.518 billion in 2020.

3D imaging is a technology that enables the development of the illusion of depth in an image. The global market for 3D imaging is witnessing a promising growth over the forecast period which may be attributed to the burgeoning usage of this technology across various industrial applications primarily to assist in the quality control process. The demand for 3D imaging technology in the media and entertainment industry has been gaining a strong traction since the demand for high-end video games and theatrical films has escalated exponentially over the years, thereby acting as one of the prominent factors for the market growth over the forecast period. On the other hand, the technology has been witnessing increased applications in 3D medical imaging and the rising use of the technology in machine vision applications of industrial automation have also played a significant role in shaping up the market growth in the coming five years. Similarly, the participation by the market in the launch and development of new and advanced imaging solutions to cater to the growing end-user requirements also shows the growth potential of the market in the near future. The booming penetration of 3D imaging technologies in civil engineering applications by way of using 3D scanners to create building models further propels the business growth opportunities for the market players over the course of the next five years.

Moreover, the availability of low-cost and portable 3D scanners along with the growing adoption of 3D scanning in animation and virtual reality applications are positively impacting the growth of the global 3D imaging market. Rising 3D content is forcing smartphone manufacturers to introduce 3D cameras, thereby is providing lucrative opportunities to the market players to invest in the market as well as to capture a greater share over other players during the given time frame.

The advent of COVID-19 will have a moderate impact on the market growth in the year 2020 since the government restrictions and trade restrictions led to a supply chain disruption globally causing a slump in the manufacturing activities across several industries. Also, the outbreak further led to a slump in the demand for new medical imaging systems since the outbreak of the novel coronavirus disease is expected to restrain the demand for new devices as it has led to the conversion of the medical facilities to COVID-19 facilities thereby causing a slight decline in the market growth during the short run.

The rising burden of chronic diseases is supplementing the market growth

One of the factors complementing the demand for 3D imaging solutions is the constantly growing prevalence of chronic diseases globally. The burden of chronic diseases is significantly increasing in both developed and developing economies around the globe. As per the data from the World Health Organization, the burden of non-communicable diseases is anticipated to reach 57% by the year 2020 from 41% in the year 2001. Out of all the chronic diseases, cardiovascular diseases contribute almost half of the chronic disease burden, also obesity, and diabetes are showing worrying trends because of the fact these have started occurring in the earlier stages of life. This is due to the adoption of unhealthy living conditions which include unhealthy dietary conditions, and physical inactivity affecting a considerably large proportion of the population worldwide. Therefore, an increase in the prevalence of chronic diseases is further driving the various imaging procedures due to the increased demand for early detection of diseases. This, in turn, is also propelling the frequency of diagnostic imaging procedures, which is playing a significant role in shaping up the market growth. Also, there is a significant increase in the geriatric population throughout the globe, which is also anticipated to positively impact the market growth as aged people are more susceptible to chronic diseases.

## Segmentation

The segmentation of the global 3D imaging market has been done into sensor type, application, industry vertical, and geography. On the basis of sensor type, the segmentation of the market has been done on the basis of CMOS (Complementary Metal-Oxide Semiconductor) and CDD (Charge-Coupled Device). By application, the segmentation has been done on the basis of layout and animation, 3D scanning, 3D modeling, 3D rendering, and image reconstruction. On the basis of industry vertical, the market has been segmented into media and entertainment, healthcare, aerospace and

defense, construction, security and surveillance, and others. Geo-graphically, the distribution of the global market has been done into North America, South America, Europe, Middle East and Africa, and the Asia pacific.

North America to hold a prominent market share

Geographically, the North American region is anticipated to hold a significant share in the 3D imaging market with early adoption of technology as the primary factor for this share. On the other hand, the presence of well-established industries along with the presence of major market players in the region are some of the additional factors supporting the significant share of the North American region during the next five years. Furthermore, the Asia Pacific region is anticipated to witness promising growth over the next five years.

### Competitive Insights

Prominent/major key market players in the 3D imaging market include HP, General Electric Company, and Infineon Technologies AG among others. The players in the 3D imaging market are implementing various growth strategies to gain a competitive advantage over their competitors in this market. Major market players in the market have been covered along with their relative competitive strategies and the report also mentions recent deals and investments of different market players over the last few years. The company profiles section details the business overview, financial performance (public companies) for the past few years, key products and services being offered along with the recent deals and investments of these important players in the 3D imaging market.

### Segmentation:

By Sensor Type

CMOS (Complementary Metal-Oxide Semiconductor)

CCD (Charge-Coupled Device)

By Application

Layout and Animation

3D Scanning

3D Modelling

3D Rendering

Image Reconstruction

By Industry Vertical

Media and Entertainment

Healthcare

Aerospace and Defense

Construction

Security and Surveillance

Others

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

Spain

United Kingdom

France

Others

Middle East and Africa

Saudi Arabia

Israel

Others

Asia Pacific

China

Japan

South Korea

India

Others

Note: The report will be dispatched in 3 business days.

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