

# **Global Volumetric display Market Size study, by Display Type Outlook (Static-volume display, Swept-volume display) by End-use Outlook (Medical, Aerospace & Defence, Automotive, Media, Communication & Entertainment, Education & Training, Other) and Regional Forecasts 2021-2027**

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## **Abstracts**

Global Volumetric display Market is valued approximately USD 0.22 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 34.8 % over the forecast period 2021-2027. A volumetric display device is a graphical interface device that creates a three-dimensional visual representation of an object, as opposed to general screens' planar images, which replicate depth through with a variety of visual impact. Because of its broad use in vocational training and warfare surveillance applications, need for this technology has surged in the military industry in affluent economies such as the United Kingdom, Japan and United States. These nations' governments are investing heavily in technological advancements in strengthening their defence potential. The US administration, for instance, has estimated a military budget of about USD 738.0 billion for 2020, representing a 3.0% increase over 2019. As a response, considerable increases in defence expenditure are predicted in major nations expected to drive market growth during the forecast. Furthermore, during marketing strategy and online advertising, volumetric displays can provide a powerful visual effect. As a result, the size of the volumetric display market is anticipated to increase. When it comes to medical diagnosis, Images from x-rays, MRIs, and CAT scans are displayed on volumetric displays. Rather than viewing the imagery slice by slice as a sequence of 2D images, the clinicians interact with it in its original 3D form. The surgeons can see these structures in genuine 3D space owing to the volumetric display. It could also be used as a 3D model viewer in the classroom for instructional reasons. Thousands of models are

stored on the display, and students can peruse them. Furthermore, these screens are employed in social places as a sort of public terminal, facilitating quick and informal contacts are factors that contribute to growth of the market. However, the necessity for a large bandwidth complicates manufacturing and increase the price of production processes, stifling market growth. The complexity and cost of volumetric displays are significant challenges. Also, without even any gadget on the gamer's body, volumetric displays provide a 360° view of 3D gaming. Furthermore, prominent market players such as Voxon Photonics are actively promoting the introduction of novel 3D displays for gaming applications in a number of nations. As a result, rising consumer demand and significant manufacturing investments by leading market competitors are expected to drive market expansion.

The rapid adoption of 3D volumetric displays in the oil and gas industry for real-time visualization of 3D fluid flow is a major factor driving market expansion. The demand for volumetric display for medical imaging applications is growing as new technologies such as autostereoscopic display become more widely adopted in healthcare. Furthermore, the North American market is expected to benefit from a rapid increase in US defense spending to deploy innovative technology for military simulation and training applications throughout the projected period. During the projected timeframe, the Asia Pacific market is expected to increase significantly. This is due to changing customer preferences in nations like Japan, China, and Australia toward high-tech gaming. Furthermore, despite significant foreign direct investment (FDI) in the region, the quickly rising consumer electronics manufacturing is expected to boost production and usage of volumetric displays.

Major market player included in this report are:

Lightspace Technologies Inc.

Voxon Photonics Pty Ltd.

The Coretec Group Inc.

3DIcon Corporation

Burton Inc.

Holoxica Ltd.

Soscho GmbH

Actuality Systems, Inc.

Zebra Imaging

Alioscopy

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 Display Type Outlook:

Static-volume display

Swept-volume display

By End-use Outlook:

Medical

Aerospace & Defence

Automotive

Media, Communication & Entertainment

Education & Training

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 – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Volumetric display 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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