

Volumetric Display Market by Component (Projector, Motor & Position Sensor), Technology (DLP and LCOS), Display Type (Swept and Static), Application (Medical, Aerospace & Defense and Oil & Gas), Geography - Global Trend & Forecast to 2015 - 2020

<https://marketpublishers.com/r/V3CD2B2E3C8EN.html>

Date: June 2015

Pages: 142

Price: US\$ 5,650.00 (Single User License)

ID: V3CD2B2E3C8EN

Abstracts

Volumetric displays generate a true 3D image by illuminating points in a 3D space. These displays typically have a 360° field of view, and a user does not have to wear shutter glasses or head-trackers to view an image; this is one of the advantages of volumetric displays over other 3D displays. Volumetric displays are incorporated with different components such as projectors, motor & position sensors, and mirrors. These displays don't require much computation for data processing. Volumetric displays can be incorporated into a future computer system as a second monitor; 3D monitors could have applications in data visualization, clinical diagnosis, military training, movies, and games. This report covers the volumetric display market and provides an in-depth analysis of each sub-segment of the market. The market statistics are given from 2014 and have been further projected till 2020, thereby offering crucial insights about the market.

The report segments the volumetric display components into projectors, motor & position sensors, mirrors, rendering software, and rendering electronics. These components form a volumetric ecosystem, creating a real 3D image.

Volumetric displays are developed based on two technologies- digital light processing (DLP) and liquid crystal on silicon (LCoS). The digital light processing technology is used more widely than liquid crystal on silicon because the cost of LCoS is high compared to DLP.

The report covers the market for volumetric displays based on technologies, display types, applications, and geography. Volumetric displays have applications in various sectors such as medical, aerospace & defense, automotive, industrial, education, and entertainment. The medical sector has large application compared to the other sectors.

3DIcon Corporation (U.S.), Voxon (U.S.), LightSpace Technologies Inc. (U.S.), Holografika Kft. (Hungary), Zebra Imaging (U.S.), Holoxica (U.K.), Burton Inc. (Japan), LEIA Inc. (U.S.), Seekway Technologies (China), and Alioscopy (France) are some of the key companies in the volumetric display market. This report covers the competitive landscape of these players, which includes the key growth strategies and recent developments.

The volumetric display market has been segmented based on region into North America, Europe, Asia-Pacific, and Rest of the World (RoW).

This report describes the value chain for the volumetric display market by considering the major stakeholders in the market and their subsequent roles in the analysis. The report also provides a detailed analysis of Porter's Five Forces. The five major factors pertaining to this framework have been quantified for this market by using the internal key parameters governing the same.

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