Digital Holography Market Research Report - Global Forecast 2023

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Description:

Digital Holography Market, By Component (Hardware, Software), By Application (Digital Holographic Microscopy, Digital Holographic Display), By Vertical (Consumer Electronics, Automotive) - Global Forecast 2023

Market Synopsis of Global Digital Holography Market:

Market Scenario:
The key players in the global digital holography market include- Lyncee Tec SA (Switzerland), Eon Reality, Inc. (U.S.), Holoxica Ltd. (U.K.), LEIA Inc. (U.S.), Jasper Display Corporation (Taiwan), Ovizio Imaging Systems NV/SA (Belgium), Light Logics Holography and Optics Pvt Ltd.(India), RealView Imaging Ltd. (Israel), Geola Digital uab. (Lithuania) and Zebra Imaging Inc. (U.S.) among others.

Regionally, North America accounted for the largest market share from countries such U.S. and Canada among others. The reason is attributed to growing demand for high-end technology solutions, increasing R&D happening in this region and increasing usage of holographic technologies in the retail and healthcare sector. However, Asia Pacific is expected to grow over the forecast period, 2017-2023. The reason is attributed to presence of large number of manufacturers and the increasing growth of consumer electronics & automotive industries.

The factors contributing to the growth of the digital holography market are increasing demand for digital holography for medical imaging in the medical industry for effective diagnosis, increasing use of digital holography in the financial sector for security purposes and increased demand for holographic displays in events and advertisements. The revolution in various holographic technologies with the introduction of digital holography is helping the market to grow. However, factors such as computational cost and low resolution of CCD cameras are hindering the growth of the digital holography market. Furthermore, increasing investments in the digital holography market and increasing opportunities for the penetration in the retail industry is expected to boost the growth of the digital holography market over the forecast period, 2017-2023.

The acquisition and processing of holograms with a digital sensor such as camera can be termed as digital holography. It also helps to measure optical phase data and delivers three-dimensional surface or optical thickness of the images. A hologram is basically a recorded interference pattern between a wave field which is been scattered from the object and a coherent background.

The global digital holography market is highly competitive. Various established international brands, domestic brands and as well as new entrants form a competitive landscape. The key players are nonstop increasingly seeking market expansion through various strategic mergers and acquisitions, innovation, increasing investments in research and development and cost-effective product portfolio. The digital holography market is highly competitive due to the presence of several large vendors.

Global Digital Holography Market
The global digital holography market is expected to reach approximately USD 7.5 billion by the end of 2023 with 37% CAGR during forecast period 2017-2023.

Segments
For the purpose of this study, Market Research Future has segmented the market of digital holography into component, application, end-users and region.

Component-
- Hardware
- Software

Application-
- Microscopy
- Holographic Display
- Holographic Television
- Holographic Tele presence
- Others

End-users-
- Medical
- Automobile
- Consumer
- Datacenter
- Aerospace
- Defense
- Commercial
- Others

Region
- North-America
- Europe
- Asia-Pacific
- RoW

Intended Audience
- Device manufacturers
- Network Operators
- Distributors
- Suppliers
- Research firms
- Software Developers
- Commercial Banks
- Vendors
- Government Agencies
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