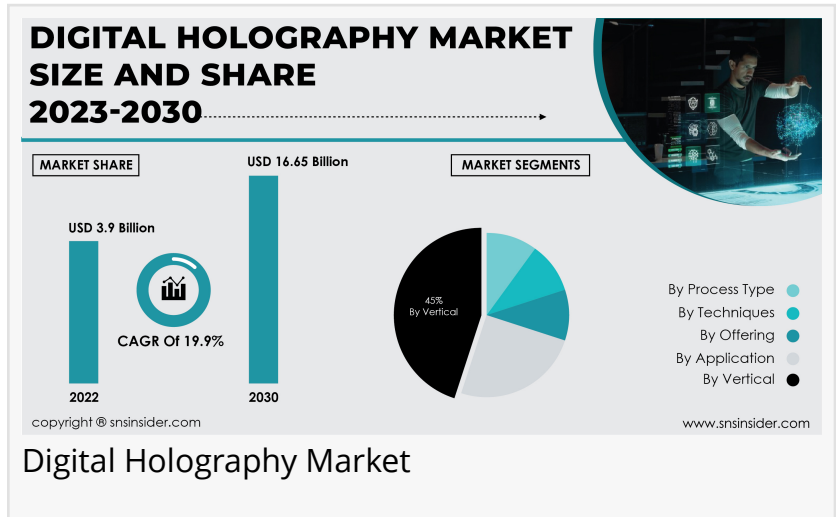


Digital Holography Market to Hit USD 16.65 Billion by 2030 owing to Rising Demand for 3D Holographic Displays

Digital Holography Market Size, Share, Growth, Trend, Global Industry Overview and Regional Analysis, Forecast 2023 - 2030

AUSTIN, TEXAS, UNITED STATES, January 23, 2024 /EINPresswire.com/ -- SNS Insider published an exclusive report, titled, "[Digital Holography Market](#) Size, Share, And Segmentation By Process Type, By Techniques, By Offering, By Application, By Vertical, By Region, And Segment Forecasts 2023 – 2030".



The digital holography market, as per the SNS Insider report, achieved a valuation of USD 3.9 billion in 2022, with projections indicating a surge to USD 16.65 billion by 2030. The anticipated growth is set to occur at a CAGR of 19.9% during the forecast period spanning from 2023 to 2030.

□□□□□□□ □□□□□□□□□□ □□□□□□ □□□□□□□□

Widely applicable in diverse fields, including medical imaging, scientific research, and industrial inspection, digital holography is gaining traction for its ability to provide non-invasive and high-resolution imaging. The digital holography market is experiencing robust growth, driven by factors such as advancements in holographic display technology, increasing demand for 3D imaging in medical diagnostics, and expanding applications in augmented reality and virtual reality. Ongoing research and development efforts are focusing on enhancing the resolution and speed of digital holography systems, opening new avenues for applications in real-time imaging and dynamic processes. The technology's global adoption is facilitated by the rising awareness of its benefits, coupled with a growing number of partnerships and collaborations among key industry players.

□□□ □□□□ □□□□□□ □□□ @ <https://www.snsinsider.com/sample-request/3191>

□□□ □□□□□□□ □□□□□□□ □□ □□□□□□□ □□□□□□□□□□ □□□□□□ □□□□□□ □□□:

- Geola Digital Uab
- Holoxica Limited
- Leia Inc.
- Lyncee TEC SA
- ovizio imaging systems
- Holmarc Opto-Mechatronics
- EON Reality Inc.
- RealView Imaging
- Phase Holographic Imaging AB (PHI)
- Holotech Switzerland AG.

Market Report Scope

Digital holography, a cutting-edge imaging technique, has emerged as a revolutionary technology in recent years, offering unprecedented capabilities in capturing and reconstructing three-dimensional images. This technique involves the recording of holograms digitally, providing a more versatile and accurate representation of the subject compared to traditional holography. The process typically utilizes laser light to capture both intensity and phase information, enabling the recreation of realistic holographic images.

KEY DRIVERS:

- Demand for holography displays for medical applications
- Increased usage of digital holography microscopy for precise measurement is the driving force.

Key Regional Development

The digital holography market exhibits dynamic regional trends, with distinct factors influencing growth in various areas. In North America, for example, a strong emphasis on technological innovation and a robust healthcare sector are key drivers. In Asia-Pacific, rapid industrialization and a growing consumer electronics market contribute to the market's expansion. Europe, with its focus on research and development, also plays a pivotal role in shaping the global landscape for digital holography. These regional dynamics underline the importance of a nuanced approach to market strategies, recognizing and adapting to the unique conditions in each geographical area.

□□□□□□□ □□□□□□□□□□ □□□□□□ □□□□□□□□□□□□□□ □□ □□□□□□□□:

By Process Type

- Digital Recording
- Reconstruction

By Techniques

- Off-axis Holography
- In-line (Gabor) Holography

By Offering

- Hardware
- Software

By Vertical

- Medical
- Commercial
- Aerospace & Defense
- Automotive
- Consumer
- Others (Industrial, Metrology, etc.)

By Application

- Digital Holography Microscopy
- Digital Holographic Displays
- Holographic Telepresence

Segmented by Region:

- North America
- Europe
- Asia-Pacific
- The Middle East & Africa
- Latin America

□□□□□□ □□□□□□□□ □□□□□□ □□□□□□□□ @ <https://www.snsinsider.com/reports/digital-holography-market-3191>

Impact of Recession

The ongoing economic downturn has posed challenges for various industries, but the digital holography market remains resilient. Despite the recession, the demand for digital holography solutions persists due to their indispensable role in critical sectors. In particular, the technology's applications in medical imaging, quality control, and scientific research contribute to its sustained growth. Companies are leveraging digital holography to enhance operational efficiency and reduce costs, making it a strategic investment even during challenging economic times.

Impact of Russia-Ukraine War

Geopolitical events, such as the Russia-Ukraine War, can have profound effects on global markets. In the case of the digital holography market, the impact is largely negative, as uncertainties and disruptions in the supply chain can impede the production and distribution of key components. Additionally, geopolitical tensions may lead to fluctuations in currency exchange rates, affecting the cost of imports and exports within the digital holography industry.

Key Takeaway from Digital Holography Market Study

- Within the digital holography market, the digital recording segment emerges as a dominant force. This can be attributed to the widespread adoption of digital holography in industrial applications, including quality control, testing, and inspection.
- On the other hand, the medical segment takes center stage, driven by the increasing use of digital holography in medical diagnostics, surgery planning, and biomedical research. The precision and non-invasiveness of digital holography make it a preferred choice in the medical field, contributing significantly to the overall market growth.

Recent Developments Related to Digital Holography Market

- AR gaming firm VividQ has joined forces with waveguide designer Dispelix to usher in a new era of 3D holographic imagery technology. This innovative partnership aims to push the boundaries of augmented reality, promising to revolutionize the way users interact with digital content.
- RealView has recently introduced interference-based volumetric holography, marking a significant milestone in the field of medical applications. This cutting-edge technology has the potential to revolutionize the way medical professionals visualize and interact with three-dimensional representations of anatomical structures.

□□□□□ □□ □□□□□□□□ – □□□□□□□□ □□ □□□ □□□□□□□

1. Introduction

2. Research Methodology

3. Market Dynamics

3.1 Drivers

3.2 Restraints

3.3 Opportunities

3.4 Challenges

4. Impact Analysis

4.1 Impact of Russia-Ukraine War

4.2 Impact of Ongoing Recession

4.2.1 Introduction

4.2.2 Impact on major economies

4.2.2.1 US

4.2.2.2 Canada

4.2.2.3 Germany

4.2.2.4 France

4.2.2.5 United Kingdom

4.2.2.6 China

4.2.2.7 Japan

4.2.2.8 South Korea

4.2.2.9 Rest of the World

5. Value Chain Analysis

6. Porter's 5 forces model

7. PEST Analysis

.....

14. Company Profile

14.1 Geola Digital Uab,

14.1.1 Market Overview

14.1.2 Financials

14.1.3 Product/Services/Offerings

14.1.4 SWOT Analysis

14.1.5 The SNS View

14.2 Holoxica Limited,

14.2.1 Market Overview

14.2.2 Financials

14.2.3 Product/Services/Offerings

14.2.4 SWOT Analysis

14.2.5 The SNS View

14.3 Leia Inc.,

14.3.1 Market Overview

14.3.2 Financials

14.3.3 Product/Services/Offerings

14.3.4 SWOT Analysis

14.3.5 The SNS View

14.4 Lyncee TEC SA,

14.4.1 Market Overview

14.4.2 Financials

14.4.3 Product/Services/Offerings

14.4.4 SWOT Analysis
14.4.5 The SNS View
14.5 ovizio imaging systems
14.5.1 Market Overview
14.5.2 Financials
14.5.3 Product/Services/Offerings
14.5.4 SWOT Analysis
14.5.5 The SNS View
14.6 Holmarc Opto-Mechatronics
14.6.1 Market Overview
14.6.2 Financials
14.6.3 Product/Services/Offerings
14.6.4 SWOT Analysis
14.6.5 The SNS View

Continued....

□□□ □□□□□□□□ □□□□□□ □□ □□□□□□□□□□ □□□□□ @ <https://www.snsinsider.com/checkout/3191>

About Us:

SNS Insider has been a leader in data and analytics globally with its authentic consumer and market insights. The trust of our clients and business partners has always been at the center of who we are as a company. We are a business that leads the industry in innovation, and to support the success of our clients, our highly skilled engineers, consultants, and data scientists have consistently pushed the limits of the industry with innovative methodology and measuring technologies.

Akash Anand

SNS Insider Pvt. Ltd

+1 415-230-0044

info@snsinsider.com

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

[Instagram](#)

[YouTube](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/683205847>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable

in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.