

Digital Holography Market Size, Share & Trends Analysis Report By Offering (Hardware, Software), By Dimensions, By Application (Holographic Microscopy, Holographic Imaging), By End Use, By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/D0B0184E28E1EN.html>

Date: December 2024

Pages: 150

Price: US\$ 4,950.00 (Single User License)

ID: D0B0184E28E1EN

Abstracts

This report can be delivered to the clients within 5 Business Days

Digital Holography Market Growth & Trends

The global digital holography market size is expected to reach USD 12.3 billion by 2030, growing at a CAGR of 20.3% from 2025 to 2030, according to a new report by Grand View Research, Inc. The market has experienced remarkable growth owing to the growing demand for digital holography in the medical industry. The components of digital holography, including hardware, sensors, and software solutions, are instrumental in driving the market's growth. These components enhance image quality, increase efficiency and accuracy, and enable diverse applications across various industries. Furthermore, continuous technological advancements and innovation in these components further propel the expansion of the digital holography industry by unlocking new possibilities and attracting more industry adoption.

Digital holography offers healthcare professionals various benefits, such as improved diagnostic accuracy, enhanced patient communication, and precise treatment interventions. Moreover, professionals use this technology to obtain detailed and realistic representations of anatomical structures. Therefore, the growing demand for digital holography is expected to continue in the medical industry over the forecast period. Digital holography is widely used in industries such as manufacturing and research, which require accurate measurement and analysis of microscopic objects.

Digital holography technology provides high-resolution 3D images as well as precise measurements of size, shape, and surface characteristics. Various organizations are involved in precise measurements. It also plays a significant role in fields such as nanotechnology, material science, and biological research, where accurate measurements are crucial for scientific advancements and process optimization. Moreover, firms in advertising and events are leveraging digital holography to grab the attention of their audiences in a unique and immersive way, thereby increasing brand awareness. As such, the growing adoption of digital holography in numerous industries is expected to bode well for market growth.

The digital holography industry is expected to experience significant growth in response to the increasing threats of illicit trade and counterfeiting. The International Hologram Manufacturers Association (IHMA) predicted increased demand for holographic authentication and track-and-trace systems, driving the adoption of security devices like holograms. This growth is particularly significant in the pharmaceutical and cosmetics sectors, where authentication devices are projected to experience continued expansion. In addition, the use of anti-counterfeiting solutions in the packaging industry, including holograms, will play a vital role in verifying authenticity, ensuring quality, and combating the distribution of counterfeit products. Digital holography is being extensively adopted in the healthcare industry post-COVID-19 pandemic. For instance, in June 2023, National Taiwan University Hospital implemented Microsoft HoloLens 2 to enhance medical diagnoses, training, and consultations. Augmented reality techno

logy provides doctors with interactive and immersive experiences, enabling them to visualize and manipulate medical data in real-time, leading to improved accuracy and efficiency in healthcare practices.

The market is fragmented and characterized by the presence of several key players. These players are adopting strategies such as partnerships and collaborations to gain a competitive edge. For instance, in July 2023, EON Reality, an augmented reality and virtual reality software developer, announced an extended partnership with the Centre of Technical Excellence (CENTEXS) in Sarawak to improve immersive training and learning experiences through EON Reality's upgraded infrastructure.

Digital Holography Market Report Highlights

Based on offering, the market is classified into hardware and software. The hardware segment led the market with the largest

revenue share of 60.53% in 2024 and is expected to grow at the fastest CAGR during the forecast period.

Based on dimensions, the market is classified into two-dimensional (2D) and three-dimensional (3D). The two-dimensional (2D) segment led the market with the largest revenue share of 54.23% in 2024.

Based on application, the market is classified into holographic microscopy, holographic imaging, holographic telepresence, and others. The holographic microscopy segment led the market with the largest revenue share of 34.59% in 2024.

Based on end use, the market is classified into healthcare, automotive, aerospace & defense, education, consumer electronics, entertainment, and others.

North America dominated the digital holography market with the largest revenue share of 33.5% in 2024.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation and Scope
- 1.2. Research Methodology
 - 1.2.1. Information Procurement
- 1.3. Information or Data Analysis
- 1.4. Methodology
- 1.5. Research Scope and Assumptions
- 1.6. Market Formulation & Validation
- 1.7. Country Based Segment Share Calculation
- 1.8. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
- 2.3. Competitive Insights

CHAPTER 3. MARKET VARIABLES, TRENDS, & SCOPE OUTLOOK

- 3.1. Market Lineage Outlook
- 3.2. Market Dynamics
 - 3.2.1. Market Driver Analysis
 - 3.2.2. Market Restraint Analysis
 - 3.2.3. Industry Challenge
- 3.3. Digital Holography Market Analysis Tools
 - 3.3.1. Industry Analysis - Porter's
 - 3.3.1.1. Bargaining power of the suppliers
 - 3.3.1.2. Bargaining power of the buyers
 - 3.3.1.3. Threats of substitution
 - 3.3.1.4. Threats from new entrants
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political landscape
 - 3.3.2.2. Economic and social landscape
 - 3.3.2.3. Technological landscape

CHAPTER 4. DIGITAL HOLOGRAPHY MARKET OFFERING OUTLOOK

4.1. Digital Holography Market, By Offering Analysis & Market Share, 2024 & 2030

4.2. Hardware

4.2.1. Hardware Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

4.3. Software

4.3.1. Software Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

CHAPTER 5. DIGITAL HOLOGRAPHY MARKET DIMENSIONS OUTLOOK

5.1. Digital Holography Market, By Dimensions Analysis & Market Share, 2024 & 2030

5.2. Two Dimensional (2D)

5.2.1. Two Dimensional (2D) Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

5.3. Three Dimensional (3D)

5.3.1. Three Dimensional (3D) Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

CHAPTER 6. DIGITAL HOLOGRAPHY MARKET APPLICATION OUTLOOK

6.1. Digital Holography Market, By Application Analysis & Market Share, 2024 & 2030

6.2. Holographic Microscopy

6.2.1. Holographic Microscopy Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

6.3. Holographic Imaging

6.3.1. Holographic Imaging Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

6.4. Holographic Telepresence

6.4.1. Holographic Telepresence Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

6.5. Others

6.5.1. Others Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

CHAPTER 7. DIGITAL HOLOGRAPHY MARKET END USE OUTLOOK

7.1. Digital Holography Market, By End Use Analysis & Market Share, 2024 & 2030

7.2. Healthcare

7.2.1. Healthcare Digital Holography Market estimates and forecasts, 2017 - 2030
(USD Million)

7.3. Automotive

7.3.1. Automotive Digital Holography Market estimates and forecasts, 2017 - 2030
(USD Million)

7.4. Aerospace & Defense

7.4.1. Aerospace & Defense Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

7.5. Education

7.5.1. Education Digital Holography Market estimates and forecasts, 2017 - 2030
(USD Million)

7.6. Consumer Electronics

7.6.1. Consumer Electronics Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

7.7. Entertainment

7.7.1. Entertainment Digital Holography Market estimates and forecasts, 2017 - 2030
(USD Million)

7.8. Others

7.8.1. Others Digital Holography Market estimates and forecasts, 2017 - 2030 (USD Million)

CHAPTER 8. DIGITAL HOLOGRAPHY MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

8.1. Digital Holography Market Share, By Region, 2024 & 2030, USD Million

8.2. North America

8.2.1. North America Digital Holography Market Estimates and Forecasts, 2017 - 2030
(USD Million)

8.2.2. U.S.

8.2.2.1. U.S. Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.2.3. Canada

8.2.3.1. Canada Digital Holography Market Estimates and Forecasts, 2017 - 2030
(USD Million)

8.2.4. Mexico

8.2.4.1. Mexico Digital Holography Market Estimates and Forecasts, 2017 - 2030
(USD Million)

8.3. Europe

8.3.1. Europe Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.3.2. UK

8.3.2.1. UK Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.3.3. Germany

8.3.3.1. Germany Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.3.4. France

8.3.4.1. France Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.4. Asia Pacific

8.4.1. Asia Pacific Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.4.2. China

8.4.2.1. China Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.4.3. Japan

8.4.3.1. Japan Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.4.4. Australia

8.4.4.1. Australia Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.4.5. South Korea

8.4.5.1. South Korea Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.4.6. India

8.4.6.1. India Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.5. Latin America

8.5.1. Latin America Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.5.2. Brazil

8.5.2.1. Brazil Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.6. Middle East and Africa

8.6.1. Middle East and Africa Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.6.2. UAE

8.6.2.1. UAE Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.6.3. Saudi Arabia

8.6.3.1. Saudi Arabia Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

8.6.4. South Africa

8.6.4.1. South Africa Digital Holography Market Estimates and Forecasts, 2017 - 2030 (USD Million)

CHAPTER 9. DIGITAL HOLOGRAPHY MARKET COMPETITIVE LANDSCAPE

9.1. Company Categorization

9.2. Company Market Positioning

9.3. Company Heat Map Analysis

9.4. Company Profiles/Listing

9.4.1. Lync?e Tec SA

9.4.1.1. Participant's Overview

9.4.1.2. Financial Performance

9.4.1.3. Product Benchmarking

9.4.1.4. Strategic Initiatives

9.4.2. RealView Imaging Ltd.

9.4.2.1. Participant's Overview

9.4.2.2. Financial Performance

9.4.2.3. Product Benchmarking

9.4.2.4. Strategic Initiatives

9.4.3. EON Reality

9.4.3.1. Participant's Overview

9.4.3.2. Financial Performance

9.4.3.3. Product Benchmarking

9.4.3.4. Strategic Initiatives

9.4.4. Phase Holographic Imaging PHI AB

9.4.4.1. Participant's Overview

9.4.4.2. Financial Performance

9.4.4.3. Product Benchmarking

9.4.4.4. Strategic Initiatives

9.4.5. Holotech

9.4.5.1. Participant's Overview

9.4.5.2. Financial Performance

9.4.5.3. Product Benchmarking

- 9.4.5.4. Strategic Initiatives
- 9.4.6. Holmarc Opto-Mechatronics Ltd.
 - 9.4.6.1. Participant's Overview
 - 9.4.6.2. Financial Performance
 - 9.4.6.3. Product Benchmarking
 - 9.4.6.4. Strategic Initiatives
- 9.4.7. Geola
 - 9.4.7.1. Participant's Overview
 - 9.4.7.2. Financial Performance
 - 9.4.7.3. Product Benchmarking
 - 9.4.7.4. Strategic Initiatives
- 9.4.8. Leia Inc.
 - 9.4.8.1. Participant's Overview
 - 9.4.8.2. Financial Performance
 - 9.4.8.3. Product Benchmarking
 - 9.4.8.4. Strategic Initiatives
- 9.4.9. Ovizio
 - 9.4.9.1. Participant's Overview
 - 9.4.9.2. Financial Performance
 - 9.4.9.3. Product Benchmarking
 - 9.4.9.4. Strategic Initiatives
- 9.4.10. REALFICTION
 - 9.4.10.1. Participant's Overview
 - 9.4.10.2. Financial Performance
 - 9.4.10.3. Product Benchmarking
 - 9.4.10.4. Strategic Initiatives
- 9.4.11. Himax Technologies, Inc.
 - 9.4.11.1. Participant's Overview
 - 9.4.11.2. Financial Performance
 - 9.4.11.3. Product Benchmarking
 - 9.4.11.4. Strategic Initiatives
- 9.4.12. MetroLaser
 - 9.4.12.1. Participant's Overview
 - 9.4.12.2. Financial Performance
 - 9.4.12.3. Product Benchmarking
 - 9.4.12.4. Strategic Initiatives
- 9.4.13. HYPERVSN
 - 9.4.13.1. Participant's Overview
 - 9.4.13.2. Financial Performance

9.4.13.3. Product Benchmarking

9.4.13.4. Strategic Initiatives

9.4.14. SAMSUNG

9.4.14.1. Participant's Overview

9.4.14.2. Financial Performance

9.4.14.3. Product Benchmarking

9.4.14.4. Strategic Initiatives

9.4.15. Meta

9.4.15.1. Participant's Overview

9.4.15.2. Financial Performance

9.4.15.3. Product Benchmarking

9.4.15.4. Strategic Initiatives

I would like to order

Product name: Digital Holography Market Size, Share & Trends Analysis Report By Offering (Hardware, Software), By Dimensions, By Application (Holographic Microscopy, Holographic Imaging), By End Use, By Region, And Segment Forecasts, 2025 - 2030

Product link: <https://marketpublishers.com/r/D0B0184E28E1EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/D0B0184E28E1EN.html>