

Digital Holography Market Report by Technology Type (Gabor's (In-Line) Holography, Off-Axis Holography, and Others), Component Type (Hardware, Software), Application (Digital Holographic Displays, Digital Holographic Microscopy, Holographic Television and Telepresence, and Others), Vertical (Automotive, Medical, Aerospace and Defense, and Others), and Region 2024-2032

<https://marketpublishers.com/r/DAF1D4AECACBEN.html>

Date: April 2024

Pages: 136

Price: US\$ 3,899.00 (Single User License)

ID: DAF1D4AECACBEN

Abstracts

The global digital holography market size reached US\$ 4.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 18.5 Billion by 2032, exhibiting a growth rate (CAGR) of 16.6% during 2024-2032.

Digital holography refers to a technique of interferometric imaging that can be used to perform simultaneous imaging of multidimensional objects or products. The process involves multiple light waves produced by scattering a laser beam (through a beam splitter) that are used to illuminate the object and to create its image by using the principle of diffraction. This image is achieved by combining or interference of the coherent reference waves with the waves received from the sample or object which needs to be imaged. The interference of these waves is recorded through a video camera and further transmitted to a computer for a 3D reconstruction. The technique finds extensive application in the fields of medical sciences, engineering, advertising, education, art, marketing, design studies, etc.

The growing demand for high-end technological solutions in the manufacturing and healthcare industries is the key factor driving the growth of the market. The awareness

about the utilization of digital holography for performing non-invasive and effective diagnosis of medical ailments and conducting biomedical research is continuously increasing across the globe. Furthermore, extensive use of digital holograms in ophthalmology, orthopedics and dentistry is also catalyzing the growth of the market. The holography process is also used in microwave and X-rays to detect objects through impenetrable barriers; in quality checks for identifying stress or abnormalities in a product; and for eliminating the need for dark rooms and chemicals to obtain analog holograms. Additionally, increasing investments in technological developments coupled with the product innovations are also contributing to the market growth. For instance, the introduction of 3D glasses is used to alter and enhance the perspective view for the user, thus providing them with more clarity and better satisfaction.

IMARC Group's latest report provides a deep insight into the global digital holography market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the digital holography industry in any manner.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global digital holography market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on technology type, component type, application and vertical.

Breakup by Technology Type:

- Gabor's (In-Line) Holography
- Off-Axis Holography
- Others

Breakup by Component Type:

- Hardware
- CCD Camera
- Laser
- Micro-display

Beam Splitter
Mirror
Others
Software

Breakup by Application:

Digital Holographic Displays
Digital Holographic Microscopy
Holographic Television and Telepresence
Others

Breakup by Vertical:

Automotive
Medical
Aerospace and Defense
Others

Breakup by Region:

Asia Pacific
Europe
North America
Middle East and Africa
Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Lync?e Tec, EON Reality, Inc., HoloTech Switzerland AG, RealView Imaging Ltd., Ovizio Imaging Systems NV/SA, Holoxica Ltd, Geola Digital UAB, zSpace, Inc., Jasper Display Corporation, and Leia Inc.

Key Questions Answered in This Report

1. What was the size of the global digital holography market in 2023?
2. What is the expected growth rate of the global digital holography market during 2024-2032?
3. What has been the impact of COVID-19 on the global digital holography market?

4. What are the key factors driving the global digital holography market?
5. What is the breakup of the global digital holography market based on the component type?
6. What is the breakup of the global digital holography market based on the application?
7. What is the breakup of the global digital holography market based on the vertical?
8. What are the key regions in the global digital holography market?
9. Who are the key players/companies in the global digital holography market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL DIGITAL HOLOGRAPHY MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Breakup by Technology Type
- 5.5 Market Breakup by Component Type
- 5.6 Market Breakup by Application
- 5.7 Market Breakup by Vertical
- 5.8 Market Breakup by Region
- 5.9 Market Forecast

6 SWOT ANALYSIS

- 6.1 Overview
- 6.2 Strengths

6.3 Weaknesses

6.4 Opportunities

6.5 Threats

7 VALUE CHAIN ANALYSIS

8 PORTER'S FIVE FORCES ANALYSIS

8.1 Overview

8.2 Bargaining Power of Buyers

8.3 Bargaining Power of Suppliers

8.4 Degree of Competition

8.5 Threat of New Entrants

8.6 Threat of Substitutes

9 MARKET BREAKUP BY TECHNOLOGY TYPE

9.1 Gabor's (In-Line) Holography

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Off-Axis Holography

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Others

9.3.1 Market Trends

9.3.2 Market Forecast

10 MARKET BREAKUP BY COMPONENT TYPE

10.1 Hardware

10.1.1 Market Trends

10.1.2 Major Types

10.1.2.1 CCD Camera

10.1.2.2 Laser

10.1.2.3 Micro-display

10.1.2.4 Beam Splitter

10.1.2.5 Mirror

10.1.2.6 Others

10.1.3 Market Forecast

10.2 Software

10.2.1 Market Trends

10.2.2 Market Forecast

11 MARKET BREAKUP BY APPLICATION

11.1 Digital Holographic Displays

11.1.1 Market Trends

11.1.2 Market Forecast

11.2 Digital Holographic Microscopy

11.2.1 Market Trends

11.2.2 Market Forecast

11.3 Holographic Television and Telepresence

11.3.1 Market Trends

11.3.2 Market Forecast

11.4 Others

11.4.1 Market Trends

11.4.2 Market Forecast

12 MARKET BREAKUP BY VERTICAL

12.1 Automotive

12.1.1 Market Trends

12.1.2 Market Forecast

12.2 Medical

12.2.1 Market Trends

12.2.2 Market Forecast

12.3 Aerospace and Defense

12.3.1 Market Trends

12.3.2 Market Forecast

12.4 Others

12.4.1 Market Trends

12.4.2 Market Forecast

13 MARKET BREAKUP BY REGION

13.1 Asia Pacific

13.1.1 Market Trends

13.1.2 Market Forecast

13.2 Europe

13.2.1 Market Trends

13.2.2 Market Forecast

13.3 North America

13.3.1 Market Trends

13.3.2 Market Forecast

13.4 Middle East and Africa

13.4.1 Market Trends

13.4.2 Market Forecast

13.5 Latin America

13.5.1 Market Trends

13.5.2 Market Forecast

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 Lync?e Tec

14.3.2 EON Reality, Inc.

14.3.3 HoloTech Switzerland AG

14.3.4 RealView Imaging Ltd

14.3.5 Ovizio Imaging Systems NV/SA

14.3.6 Holoxica Ltd

14.3.7 Geola Digital UAB

14.3.8 zSpace Inc

14.3.9 Jasper Display Corporation

14.3.10 LEIA Inc

List Of Tables

LIST OF TABLES

Table 1: Global: Digital Holography Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Digital Holography Market Forecast: Breakup by Technology Type (in Million US\$), 2024-2032

Table 3: Global: Digital Holography Market Forecast: Breakup by Component Type (in Million US\$), 2024-2032

Table 4: Global: Digital Holography Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: Digital Holography Market Forecast: Breakup by Vertical (in Million US\$), 2024-2032

Table 6: Global: Digital Holography Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Digital Holography Market Structure

Table 8: Global: Digital Holography Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Digital Holography Market: Major Drivers and Challenges
- Figure 2: Global: Digital Holography Market: Sales Value (in Billion US\$), 2018-2023
- Figure 3: Global: Digital Holography Market: Breakup by Technology Type (in %), 2023
- Figure 4: Global: Digital Holography Market: Breakup by Component Type (in %), 2023
- Figure 5: Global: Digital Holography Market: Breakup by Application (in %), 2023
- Figure 6: Global: Digital Holography Market: Breakup by Vertical (in %), 2023
- Figure 7: Global: Digital Holography Market: Breakup by Region (in %), 2023
- Figure 8: Global: Digital Holography Market Forecast: Sales Value (in Billion US\$), 2024-2032
- Figure 9: Global: Digital Holography Industry: SWOT Analysis
- Figure 10: Global: Digital Holography Industry: Value Chain Analysis
- Figure 11: Global: Digital Holography Industry: Porter's Five Forces Analysis
- Figure 12: Global: Digital Holography (Gabor's (In-Line) Holography) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 13: Global: Digital Holography (Gabor's (In-Line) Holography) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 14: Global: Digital Holography (Off-Axis Holography) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 15: Global: Digital Holography (Off-Axis Holography) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 16: Global: Digital Holography (Other Technology Types) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 17: Global: Digital Holography (Other Technology Types) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 18: Global: Digital Holography (Hardware) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 19: Global: Digital Holography (Hardware) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 20: Global: Digital Holography (Software) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 21: Global: Digital Holography (Software) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 22: Global: Digital Holography (Digital Holographic Displays) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 23: Global: Digital Holography (Digital Holographic Displays) Market Forecast:

Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Digital Holography (Digital Holographic Microscopy) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Digital Holography (Digital Holographic Microscopy) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Digital Holography (Holographic Television and Telepresence) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Digital Holography (Holographic Television and Telepresence) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Digital Holography (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Digital Holography (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Global: Digital Holography (Automotive) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Global: Digital Holography (Automotive) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Global: Digital Holography (Medical) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Global: Digital Holography (Medical) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Global: Digital Holography (Aerospace and Defense) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Global: Digital Holography (Aerospace and Defense) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Global: Digital Holography (Other Verticals) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Global: Digital Holography (Other Verticals) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Asia Pacific: Digital Holography Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Asia Pacific: Digital Holography Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: Europe: Digital Holography Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: Europe: Digital Holography Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: North America: Digital Holography Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: North America: Digital Holography Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Middle East and Africa: Digital Holography Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Middle East and Africa: Digital Holography Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Latin America: Digital Holography Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Latin America: Digital Holography Market Forecast: Sales Value (in Million US\$), 2024-2032

I would like to order

Product name: Digital Holography Market Report by Technology Type (Gabor's (In-Line) Holography, Off-Axis Holography, and Others), Component Type (Hardware, Software), Application (Digital Holographic Displays, Digital Holographic Microscopy, Holographic Television and Telepresence, and Others), Vertical (Automotive, Medical, Aerospace and Defense, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/DAF1D4AECACBEN.html>

Price: US\$ 3,899.00 (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/DAF1D4AECACBEN.html>