

# Holographic Imaging Market - Global Outlook and Forecast 2019-2024

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# Abstracts

The holographic imaging market is likely o reach around \$4.50 billion by 2024, growing at a CAGR of approximately 39% during 2018–2024.

The holographic imaging market is undergoing an enormous transformation. Opportunities such as the increasing use of holographic imaging in the healthcare industry, high demand from the fashion industry, growing investment in holographic technology, growing innovations in consumer electronics, and the increasing popularity of touchable holographic displays are expected o fuel the holographic imaging market in the coming years.

With constant research, hologram technology is witnessing massive demand from several domains. Advancements in digital cameras, display technology, high-speed internet connectivity, and the convergence of AI (artificial intelligence) technologies, reconstructing digital signals o furnish holographic images in real-time have opened new business prospects for holographic imaging applications, which is further expected o propel the holographic imaging market during the forecast period. Also, developers and researchers are trying o introduce user-friendly and economical technology by enhancing features. Hence, the increasing smart devices penetration, high disposable incomes, and the demand for new technologies will drive the market in the coming years.

The market has given new dimensions o the travel and hospitality industry. The technology is widely used at hotels and airports for multiple purposes such as check-in counters, security checkpoints, concourses, baggage claim, gate hold, and at commercial places. For instance, in 2017, the Wellington developed a giant hologram Point Zero at Auckland International Airport. The airport authorities used the hologram



for disseminating the useful message in public interest such as warning international travelers about the dangers of inadvertently bringing fruit flies ino the country. Similarly, in China 2017, Guangzhou Baiyun International Airport introduced three holographic display solution as customer executives, guiding them o check their belongings.

The research report on the holographic imaging market covers market sizing and forecast, market share, industry trends, growth drivers, and vendor analysis. The study includes insights on market segmentation by technology (reflection, transmission, and hybrid), end-users (healthcare, commercial, defense and aerospace, education, corporates, tourism, and others), applications (image production, 3D replication, information storage, scanning and detection of scattered lights, real-time non-destructive testing and inspection), display (laser plasma, micromagnetic piston, touchable, and holographic TV display), and geography (North America, APAC, Europe, MEA, and Latin America).

The study considers the present scenario of the holographic imaging market and its market dynamics for the period 2019?2024. The report covers a detailed overview of several market growth enablers, restraints, and trends. It covers both the demand and supply aspect of the market. It profiles and examines leading and prominent companies operating in the holographic imaging market.

Holographic Imaging Market: Segmentation

The market research report includes detailed market segmentation by technology, enduser, application, display type, and geography. The holographic imaging market by technology can be segmented ino reflection, transmission, and hybrid. The hybrid segment was is expected o grow at a CAGR of around 42% during the forecast period. Hybrid technology is one of the most adopted techniques of the holographic imaging market. Vendors are constantly looking o improve the product quality by investing capital in R&D activities. However, many startups are also coming up with new simpler and cheaper technologies. It is expected that hybrid technology will be extensively used for holographic image solution by 2024. The transmission segment captured around onethird of the global holographic imaging market in 2018. The reflection segment is expected o grow at a CAGR of around 34% during the forecast period.

The holographic imaging market by end-user can be segmented ino healthcare, commercial, defense and aerospace, education, corporates, tourism, and others. The healthcare segment has captured more than half of the market and is expected o grow



at a CAGR of around 37% during the forecast period. Some of the major innovations in the healthcare industry includes Next-generation sequencing (NGS), 3D-printing, Immunotherapy, Artificial Intelligence (AI), Point-of-care diagnostics (POC), Virtual Reality (VR) and Augmented Reality (AR), biosensors and trackers, convenient care, telehealth, and the use of social media for enhanced consumer experience. Hence, holographic technology will help o make treatment and diagnosis easier, more accurate, and efficient, which is likely o benefit the holographic imaging market significantly. Tourism is the fastest growing end-user and is expected o grow at a CAGR of around 45%. The commercial segment is one of the major end-users, which is expected o add significant revenue o the holographic imaging market by 2024.

The holographic imaging market by the application can be segmented ino image production, 3D replication, information storage, scanning and detection of scattered lights, real-time non-destructive testing, and inspection. In 2018, the image production segment captured around one-third of the market and is expected o grow at a CAGR of around 34% during the forecast period. This technology is highly used in the healthcare industry and galleries. The information storage application is expected o overcome the data storage challenge. With the growing number tech-savvy population and unprecedented growth in data generation, the storage space is likely o be constrained and the threat of data loss is growing. Hence, holographic imaging provides data storage in an economical and effective way. Data can be stored in the form of optical holograms, which can be easily retrieved during contingencies. Other segments such as scanning and detection of scattered light, and real-time non-destructive testing and inspection are also growing rapidly.

The holographic imaging market by display type can be segmented ino laser plasma, micromagnetic piston, touchable, and holographic TV display. In 2018, laser plasma captured three-fourth of the market and is expected o grow at a CAGR of around 36%. Micromagnetic piston displays are likely o grow, however, market growth is likely o be throttled high cost and susceptibility o mechanical failures. Touchable and holographic TV displays will emerge a major trend in the holographic imaging market during the forecast period. These segments are expected o grow at significant CAGRs of 45% and 48%, respectively, during the forecast period.

Market Segmentation by Technology

Reflection

Transmission



#### Hybrid

Market Segmentation by End-users

Healthcare

Commercial

Defense and Aerospace

Education

Corporates

Tourism

others

#### Market Segmentation by Applications

**Image Production** 

**3D** Replication

Information Storage

Scanning and Detection of Scattered Lights

Real-time Non-destructive Testing and Inspection

Market Segmentation by Display Types

Laser Plasma

**Micromagnetic Piston** 



Touchable

Holographic TV Display

Holographic Imaging Market: Geography

APAC o emerge as a key market driving the growth of holographic technology

The holographic imaging market by geography can be segmented ino North America, APAC, Europe, MEA, and Latin America. North America is dominating the market and is expected o grow at a CAGR of around 36% during the forecast period. The growing demand for better medical equipment and accurate technology for diagnosis and surgery is driving the demand for hologram technology. The healthcare industry is one of the largest end-users and is witnessing an unprecedented demand for holographic technology due o its wide application in medical research and education, medical imaging, and healthcare research. EchoPixel, RealView Imaging, and NanoLive are expected o lead the holographic imaging market in North America during the forecast period. APAC captured around one-third of the holographic imaging market in 2018.

Market Segmentation by Geography

North America

US

Canada

APAC

China

Japan

South Korea

Europe



UK

Germany

France

MEA

UAE

South Africa

Latin America

Brazil

Mexico

#### Key Vendor Analysis

The holographic imaging market is witnessing the entry of new players as the market is niche commercially and offers high growth opportunities. Holographic display manufacturers are collaborating with major consumer electronics and healthcare manufacturers o enhance the sale of products. Meanwhile, online or traditional retail distribution channels are also playing a vital role in increasing the sale of technology. The holographic imaging market is growing at a significant rate with the demand for small holographic display is on the rise.

**Prominent Vendors** 

Holotech Switzerland

LyncéeTec

EchoPixel

**RealView Imaging** 



Nanolive SA

zSpace

LEIA INC

Jasper Display Corp.

Realfiction

Provision 3D Media

Holoxica

Musion 3D (MDH)

Trikona Technologies

Wayray

**AV Concepts** 

8i

**Ovizio Imaging** 

Virtual On

Shenzhen SMX Display Technology Co Ltd

Avegant Corp

Kino-Mo Ltd

Looking Glass Factory

Displair Inc.



Key Market Insights

Offers market sizing and growth prospects of the holographic imaging market for the forecast period 2019–2024

Provides comprehensive insights on the latest industry trends, market forecast, and growth drivers in the holographic imaging market

Includes a detailed analysis of market growth drivers, challenges, and investment opportunities

Delivers a complete overview of market segments and the regional outlook of the holographic imaging market

Offers an exhaustive summary of the vendor landscape, competitive analysis, and key market strategies o gain a competitive advantage in the holographic imaging market



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