

Screenless Display Market Report by Type (Visual Image, Retinal Display, Synaptic Interface), Application (Holographic Projection, Head-Mounted Display, Head-Up Display, and Others), Industry Vertical (Aerospace and Defense, Automotive, Healthcare, Consumer Electronics, and Others), and Region 2024-2032

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Abstracts

The global screenless display market size reached US\$ 3.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 37.5 Billion by 2032, exhibiting a growth rate (CAGR) of 27.9% during 2024-2032.

Screenless display refers to a technology that enables the transmission of information using interactive projection technology without the help of a projector or display screen. It provides many advantages, including saving costs, presenting distant point images at high resolution, and providing low power consumption, compared to technologies like touch screen displays. Some of the screenless displays widely available in the market include holographic displays, virtual reality (VR) goggles, heads-up displays, virtual retinal displays, and synaptic interfaces.

Screenless Display Market Trends:

The rising demand for miniaturized solutions in various industry verticals represents one of the key factors driving the need for screenless displays worldwide. Apart from this, screenless display technology is gaining immense traction in the medical field as it allows healthcare professionals to view a virtual X-ray of infected areas or gather information concerning a patient. Moreover, the technology can be utilized in industrial

processes to view virtual blueprints and identify parts placement and operation. Furthermore, as screenless displays help drivers to access data in real-time conveniently without taking their eyes off the road, rising consumer preferences for luxury and premium cars are contributing to the market growth. In addition, stringent government regulations for improving passenger and driver safety are compelling automotive manufacturers to incorporate screenless displays in passenger vehicles. Besides this, key market players are investing in research and development (R&D) activities to launch screenless consumer electronics, such as smartphones, computers, laptops, and cameras. These devices are lightweight and provide greater portability and high functionalities like map navigation. This, coupled with rapid urbanization and improving purchasing power of individuals, is anticipated to provide lucrative growth opportunities to industry investors.

Key Market Segmentation:

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

Breakup by Type:

Visual Image

Retinal Display

Synaptic Interface

Breakup by Application:

Holographic Projection

Head-Mounted Display

Head-Up Display

Others

Breakup by Industry Vertical:

Aerospace and Defense

Automotive

Healthcare

Consumer Electronics

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BAE Systems plc, Eon Reality, Garmin Ltd., Holoxica Ltd., Microsoft Corporation, Microvision Inc., RealView Imaging Ltd., Sony Group Corporation, Synaptics Incorporated and Zebra Technologies Corporation.

Key Questions Answered in This Report:

How has the global screenless display market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global screenless display market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the industry vertical?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global screenless display market and who are the key players?

What is the degree of competition in the industry?

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