

Flat Panel Display Market Report by Technology (OLED, Quantum Dot, LED, LCD, and Others), Application (Smartphone and Tablet, Smart Wearable, Television and Digital Signage, PC and Laptop, Vehicle Display, and Others), Industry Vertical (Healthcare, Retail, BFSI, Military and Defense, Automotive, and Others), and Region 2024-2032

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Abstracts

The global flat panel display market size reached US\$ 138.3 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 213.6 Billion by 2032, exhibiting a growth rate (CAGR) of 4.8% during 2024-2032.

A flat panel display (FPD) is an electronic view device that projects various information, such as images, videos and texts, that allows individuals to experience enhanced visual content. Non-brittle, extremely thin, lightweight, and rough, these displays are usually less than ten centimeters in thickness. When compared to conventional cathode ray tubes (CRT), FPDs offer improved display quality and portability and are powered by a low power flow. A number of display technologies are used in these screens, including Light-Emitting Diode (LED), Liquid Crystal Display (LCD), and Organic Light-Emitting Diode (OLED). Displays using these technologies can be emissive or non-emissive and offer some major advantages, such as high pixel resolution and enhanced contrast. As a result, they are majorly utilized in TV monitors, laptop computers, portable electronics, platform doors of subways, commercial freezer doors, e-boards, and medical equipment.

Flat Panel Display Market Trends:

The market is majorly driven by the growing adoption of FPD in mobile devices due to

the escalating demand for smartphones with augmented features. This can be attributed to the escalating adoption of FPD technology in smartphone manufacturing with an enhanced focus on high-quality image and clarity. In addition, the emergence of advanced technologies, such as flexible flat panel display and OLED, and continual developments in interactive touch-based wearable devices are acting as significant growth-inducing factors. In addition to the popularity of e-learning, the development of interactive flat panels as a means of delivering interactive content are creating a positive market outlook. The market is further driven by increasing investments in flat panel display manufacturing plants due to low manufacturing costs and mass production facilities. Some of the other factors contributing to the market include the augmenting demand for LCD and PDP technologies, the rising trend of automated manufacturing, a considerable rise in the installation of digital signage in retail stores and quick service restaurants (QSRs), inflating disposable income levels and extensive research and development (R&D).

Key Market Segmentation:

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

Breakup by Technology:

- OLED
- Quantum Dot
- LED
- LCD
- Others

Breakup by Application:

- Smartphone and Tablet
- Smart Wearable
- Television and Digital Signage
- PC and Laptop
- Vehicle Display
- Others

Breakup by Industry Vertical:

Healthcare
Retail
BFSI
Military and Defense
Automotive
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 AU Optronics, Crystal Display Systems Ltd, Emerging Display Technologies, Innolux Corporation, LG Display Co. Ltd. (LG Corporation), NEC

Corporation (AT&T Corporation), Panasonic Holdings Corporation, Samsung Electronics Co., Ltd., Sharp Corporation, Sony Group Corporation, Toshiba Corporation and Universal Display Corporation.

Key Questions Answered in This Report

1. What was the size of the global flat panel display market in 2023?
2. What is the expected growth rate of the global flat panel display market during 2024-2032?
3. What are the key factors driving the global flat panel display market?
4. What has been the impact of COVID-19 on the global flat panel display market?
5. What is the breakup of the global flat panel display market based on the technology?
6. What is the breakup of the global flat panel display market based on application?
7. What are the key regions in the global flat panel display market?
8. Who are the key players/companies in the global flat panel display market?

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