

## **8K Market Report and Forecast 2025-2034**

Market Report | 2025-07-14 | 154 pages | EMR Inc.

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### **Report description:**

The global 8K market reached nearly USD 14.67 Billion in 2024. The market is projected to grow at a CAGR of 30.80% between 2025 and 2034 to reach a value of around USD 215.03 Billion by 2034.

8K refers to a type of resolution which offers sharper and more detailed picture quality. In 8K resolution, approximately 8,000 pixels are found on the horizontal edge. 8K technology is usually incorporated in high-end televisions.

It is also known as 4320p since it typically has a resolution of 7680 × 4320 pixels, which amounts to four times the pixel count of 4K resolution and sixteen times that of Full HD. Like 4K, 8K usually maintains the standard 16:9 aspect ratio, making it compatible with most modern content formats. 8K displays offer incredibly detailed and crisp images, making them ideal for large screens where viewers might be able to discern individual pixels at lower resolutions. This high resolution is particularly beneficial in applications such as professional video editing, large public displays, and high-end home theatres.

### **Key Trends in the Market**

Increasing demand for 8K resolution to enhance the viewing experience and growing technological advancements

Technological advancements in sectors such as broadcast and display have been escalating the demand for 8K resolution to enhance the viewing experience of the audience. Developments in areas like OLED and QLED technologies, HDR (High Dynamic Range), and improved colour accuracy enhance the overall appeal of 8K displays beyond just resolution. Advances in broadcasting technologies, including fibre optics and 5G networks, increase the ability to transmit 8K content, making it more feasible for widespread distribution.

As satellite and cable providers upgrade their infrastructure, they can support the bandwidth requirements of 8K, potentially increasing the availability of 8K content. Furthermore, the gaming industry's push towards higher resolutions and more immersive experiences can drive demand for 8K displays, especially as gaming consoles and PCs become capable of rendering games at 8K.

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This is expected to enhance the 8K market demand in the coming years.

Increasing use of devices with 8K resolution across diverse end use sectors, including medical industry

The level of detail available with 8K can aid in the early detection of diseases, such as spotting smaller tumours in cancer screenings. In laparoscopic or robotic surgeries, 8K technology provides surgeons with extremely clear and detailed images, enhancing their ability to perform precise and minimally invasive procedures.

Combined with 3D technology, 8K can create more immersive and realistic visualisations, aiding surgeons in complex procedures. Increasing applications of 8K in medical devices to support complex surgeries and treatments is guiding the 8K market growth. Over the forecast period, advancements in medical technology to observe fine details and enhance the safety of complex surgeries are likely to expand growth opportunities for the market in the coming years.

Moreover, with 8K resolution, telemedicine consultations can offer more detailed visual information, improving the quality of remote diagnoses and patient consultations. High-resolution images can be shared and analysed by specialists worldwide, facilitating collaborative diagnosis and treatment planning.

Increasing focus on integrating advanced features and new product launches by manufacturers

Increasing product launches, such as 8K QLED television models with large sizes, integrated with smart features, are some of the crucial 8K market trends. In the gaming sector, the first 8K ultrawide gaming monitors are set to launch in 2023, leveraging the capabilities of AMD's new GPUs with DisplayPort 2.1 ports. Samsung's Odyssey Neo G9, a standout product in this category, is scheduled for an October release.

Additionally, Samsung is focusing on increasing 8K content availability for their 8K TV owners through a partnership with Savage Stock. They have introduced three new product lines: the QN900, QN800, and QN700 ranges. Additionally, a 150" version of their 8K TV is expected to launch in the second half of 2023, featuring advanced technologies like auto-focus and auto-keystone correction.

## Market Segmentation

The EMR's report titled "8K Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

### Market Breakup by Product

- Camera
- Monitor
- Television
- Projector
- Other

### Market Breakup by End Use

- Consumer Electronics
- Medical Industry
- Sports and Entertainment Industry

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- Others

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Market Share by End Use

The consumer electronics sector accounts for a significant portion of the 8K market share. 8K is increasingly implemented in various consumer electronics such as laptops, digital cameras, monitors, and televisions, among others. Growing affordability of 8K consumer electronics, rapid urbanisation, and healthy economic growth in developing countries are heightening the segment's growth. Moreover, the rising demand for 8K content, coupled with the increasing accessibility to 5G network, is anticipated to further surge the demand for 8K consumer electronics in the coming years.

#### Market Share by Region

As per the 8K market analysis, the Asia Pacific is projected to rapidly grow in the forecast period. This can be attributed to the large population base with growing disposable incomes across economies such as India and China, which are escalating sales of consumer electronics.

The region is also home to pioneers in 8K technology, including Samsung, Sharp, and Panasonic, among others. Moreover, the increasing launch of 8K smartphones, along with the rising use of the technology in the healthcare sector in countries like Japan, is further adding to the market demand.

#### Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the key players in the global 8K market, covering their competitive landscape and latest developments like mergers, acquisitions, investments and expansion plans.

#### Samsung Electronics Co. Ltd.

Samsung Electronics Co. Ltd. is a leading company which manufactures high-quality consumer electronics such as refrigerators, dishwashers, televisions, wall ovens, and vacuums, among others. It was founded in 1969 and is headquartered in Suwon-Si, South Korea.

#### LG Electronics Inc.

LG Electronics Inc. is a multinational electronics company which was founded in 1958 and is headquartered in Seoul, South Korea. The company manufactures and sells commercial display devices, IT products, and compressors and motors, among other products.

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Sony Corporation is a multinational conglomerate which was established in 1946 and is headquartered in Tokyo, Japan. The product portfolio of this company includes televisions and home theatres, gaming gear, cameras, and car audio, among others.

Other 8K market players include Canon Inc., Dell Technologies Inc., Sharp Corporation, RED Digital Cinema, LLC, Hisense International Co., Ltd., Panasonic Holdings Corporation, and Digital Projection Ltd., among others.

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