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Automotive Digital Cockpit Market Size, Share & Trends Analysis Report By Equipment (Digital Instrument Cluster, Driving Monitoring System), By Display Technology, By Vehicle Type, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Automotive Digital Cockpit Market Growth & Trends

The global automotive digital cockpit market size is estimated treach USD 43.24 billion by 2030, expanding at a CAGR of 10.1% from 2025 t2030, according ta new report by Grand View Research, Inc. The rising demand for automotive cockpit electronics, autonomous vehicle technology, and advanced safety features such as advanced driver assistance systems is expected tdrive market growth. The changing consumer buying behavior and increasing demand for enhanced in-vehicle experience, coupled with the global growth of the high-end, premium, and luxury car segments, are alsexpected tfuel the growth of the market.

The surge in demand for vehicle connectivity and navigation system in the automotive sector has led tthe increasing usage of visualization technology. Modern-day cars are highly influenced by unique consumer demands and advancements in digital technologies. The automotive industry is focused on offering more personalized experiences tdrivers and vehicle occupants. Moreover, companies are developing innovative solutions tensure seamless connectivity between the vehicle and external devices. The integration of vehicle systems can be considered as the most significant development. The digital cockpit architecture has become more capable and robust owing tthe integration of the Advanced Driver Assistance Systems (ADAS) functionality

for enhanced safety and security and cloud-based services.

The automotive digital cockpit technology is expected tgain significant demand as major automotive component and solution providers are engaging in the development of complete automotive cockpit solutions. For instance, in January 2021, Qualcomm Technologies, Inc. announced the launch of the 4th Generation Qualcomm Snapdragon Automotive Cockpit Platforms. The new digital cockpit platforms offer software scalability and flexibility tsupport several real-time and high-level operating systems. The platforms alssupport multiple ECUs and domain integration, including digital instrument clusters, digital monitoring systems, Augmented Reality Heads-Up-Display (AR-HUD), e-Mirror, and rear-seat displays.

In the wake of the coronavirus pandemic, lockdowns and social distancing norms have been implemented globally. The overall automotive production volumes have declined globally on a year-on-year basis, mainly due tdecreased production volumes in North America and Europe, among other regions. According tOrganisation Internationale des Constructeurs d'Automobiles (OICA), automobile production globally dropped by more than 15%, i.e., 77.6 million units in 2020 compared t91.7 million units in 2019. However, as restrictions ease in various economies, the market can expect a period of respite for the short-term owing tthe increased demand for passenger cars from the middle-class population, in turn, is increasing the demand for automotive digital cockpit over the forecast period.

Automotive Digital Cockpit Market Report Highlights

The head-up display (HUD) segment is anticipated tadvance at the fastest CAGR from 2025 t2030 owing tthe integration of augmented reality for enhanced safety and driving experience

The TFT-LCD segment accounted for the largest revenue share in the global market in 2024, owing tthe extensive usage of this display type in digital cockpits due ttheir versatility and performance.

The passenger cars segment accounted for a dominant revenue share in the global market in 2024, on account of the increasing sales of these vehicles and a steadily rising demand for digital cockpit systems by consumers. The increasing demand for connected car features in

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passenger vehicles and the onset of autonomous vehicles is expected tdrive the segment

In Asia Pacific, the market is accounted for the largest revenue share in 2024. This growth can be attributed tthe increased production and sales of passenger vehicles in the region

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