

## **AI's Next Leap, Why Displays Matter More Than Ever**

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Artificial intelligence (AI) is driving more than a technological leap—it's fundamentally reshaping paradigms across industries and society at large. AI has now moved beyond the boundaries of personal devices like smartphones, rapidly expanding into cars, robotics, smart factories, and smart cities, redefining the very way humans and technology interact. Amid this sweeping shift, displays have emerged as far more than screens that simply show information—they've become the critical interface that bridges AI intelligence with the real world. With that in mind, this presentation explores the role of display technology and its future vision as a key driving force behind AI's next jump forward.

First, displays serve as the primary channel through which users consume AI data, with high-performance self-emissive technology enabling immersive interaction that ultimately determines the quality of the AI experience. Second, generative AI is driving manufacturing innovation through material and structural optimization and automated inspection, boosting both productivity and quality at once.

In short, displays have evolved beyond simple and one-directional “displaying” devices into intelligent platforms for bi-directional communication, and their convergence with AI will be the key that unlocks the future of industry.