

Samsung Preps 15.6-inch UHD OLED Notebook Display

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Samsung claims the development of a first UHD (3840 x 2160) display for the notebook/laptop market-- a 15.6-inch OLED panel able to handle the ultra-high resolution optimised for gaming, graphic design and video streaming.



Set to enter mass production in February 2019, the OLED panel promises a wide range of cutting-edge features, including "exceptional" contrast ratio, "extreme" colour accuracy, full HDR compatibility, wide colour gamut and high outdoor visibility, all considered essential for premium notebooks. Brightness levels clock from 0.0005 to 600 nits, while the dynamic contrast ratio reaches 120000:1.

The panel provides a spectrum of 3.4 million colours (nearly double of similarly-sized LCD panels), and meets the DCI-P3 standard while emitting less of the potentially harmful blue wavelengths. It also meets the DisplayHDR True Black specification, meaning the black colour is "a hundred times" richer compared to the previous HDR standard. Finally it features a slimmer and lighter design, making it more convenient for use in notebooks.

"Our 15.6-inch UHD OLED panel provides the most suitable display solutions for carry-on IT devices with outstanding HDR enhancements, unparalleled color reproduction and much-improved outdoor visibility," Samsung says. "We have no doubt that our new OLED display will offer a much superior visual experience to notebook users worldwide."

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