

# LG introduces world's slimmest full HD LCD panel for smartphones

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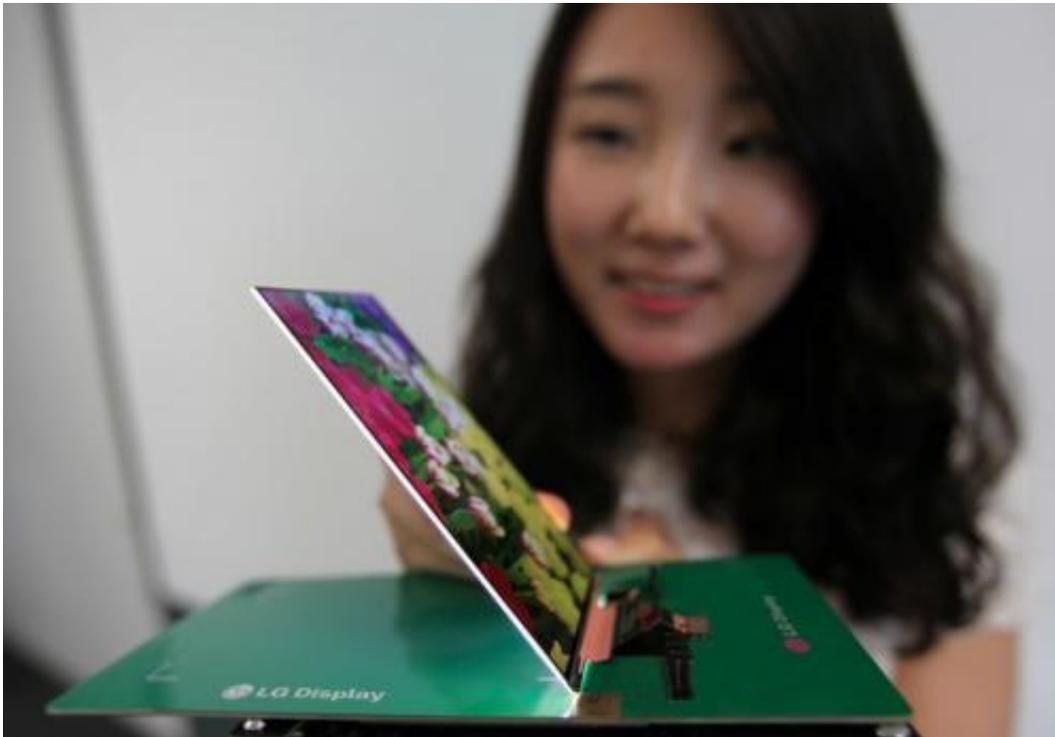


LG Display today announced that it will unveil the world's slimmest Full HD LCD panel for smartphones. The state-of-the-art 5.2-inch panel is an exciting advancement for the premium mobile device market enabling sleeker Full HD smartphones featuring better "grip-ability" and a superior viewing experience.

Only 2.2mm thin with a 2.3mm bezel, LG Display's new panel is both slimmest and narrowest among existing Full HD LCD panels designed for [mobile devices](#). This world's slimmest Full HD LCD panel will provide larger visible display space on smartphones, critical as mobile devices are used for multimedia viewing more than ever before. Additionally, the panel will make devices easier to grip as well as lighter in weight.

Key to realizing the world's slimmest panel is LG Display's Advanced One-Glass-Solution (OGS), the latest touch technology enabling an enhanced [touch screen](#) experience, developed and applied to the new panel for the first time ever. Dual Flexible Printed Circuits, superior to a single circuit, have been inserted between the panel and touch film, reducing the number of lines on the panel by more than 30 percent. Utilization of a direct bonding system has also resulted in Optical Clear Resin between the panel and touch film for greater brightness.

The new panel's superiority in displaying resolution, brightness, and [contrast ratio](#) results in enhanced outdoor [readability](#). By utilizing 1,080X1,920 pixels consisting of Red, Green, Blue (RGB) sub-pixels, the panel is a true Full HD display. And with a brightness of 535 nits at maximum, LG Display's panel outperforms all current mobile Full HD LCD panels. Finally, measuring contrast in real-life surroundings with Ambient Contrast Ratio results in a reading of 3.74:1 based on 10,000 lux, confirming the perfect performance of the panel even in strong outdoor sunlight conditions. Renowned testing firm Intertek has officially certified these results.



"Today's introduction of the world's slimmest Full HD LCD panel represents an exciting advancement for the high-end smartphone segment, and is possible due to our world-class expertise in IPS and touch technologies," said Dr. Byeong-Koo Kim, Vice President and Head of LG Display's IT and Mobile Development Group. "LG Display will continue its commitment to developing products that maximize consumer value as well as opening new doors for the mobile and tablet PC industry."

Provided by LG Display

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