

LG Shows Off Flexible, Transparent OLEDs

Written by Marco Attard
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LG Display claims it has "fundamental technologies" to lead the market to large flexible and transparent displays with a pair of 18-inch OLED panels, one flexible and rollable while the other is transparent.



The flexible OLED panel features 1200 x 810 resolution with a 30R curvature radius. Made using a "high molecular substance-based polyimide film" backplane to achieve both flexibility and thinness, one can roll the display to a radius of 3cm without affecting its functionality.

LG claims the future will see it scale the technology to over 50-inch in size.

Meanwhile the transparent OLED panel boasts 30% transmittance, achieved using transparent pixel design technology, achieved by lowering the haze generated in the use of circuit devices and film components to 2%.

In comparison the transmittance of existing transparent LCD panels is at around 10% according to the company.

If the future goes according to LG's plans it will launch a 60-inch UHD flexible and transparent OLED panel with over 40% transmittance and 100R curvature radius.

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