

# The 12-inch screen can stretch like a piece of LG rubber

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LG calls this a 'free-form' screen because it can be bent easily to fit complex shapes and stretch to make it more comfortable to carry. According to LG, display technology can be applied in many different industries from wearables, mobile devices, gaming, fashion and furniture. to the automobile and aircraft industries.



This stretchable screen is quite high quality with a pixel density of 100ppi, similar to a 40-inch 4K TV and can display full RGB color.

LG's stretchable display is created on a special silicon substrate commonly used for contact lenses, the smaller 40µm LEDs are connected via S-shaped springs instead of straight wires allowing it to stretch 20% without breaking.



LG is not the first company to develop and introduce stretchable screens. Last year, a little-known manufacturer, Royole, introduced a screen that could be stretched by 30% and could reach a pixel density of 120ppi. But, the company's demo screen version is only 2.7 inches in size with a resolution of 96 x 60px.

In 2017, Samsung also introduced a stretchable display, which can survive deformation and can stretch about half an inch.

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