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Smartphone innovation: the evolution of Xperia smartphones

The [Xperia 1](#), which was [unveiled for the first time at MWC](#) this year, launched with two smartphone world-firsts.

It's the [first smartphone with a 4K HDR OLED display¹](#), bringing true-to-life colour and crystal-clear content in 21:9 – the same aspect ratio as the modern blockbuster film. What's more, the Xperia 1 also boasts the [world's first Eye AutoFocus \(AF\) in a smartphone²](#), meaning that capturing stunning portrait photography is easier and more spontaneous.

Smartphone innovation has always been at the core of Sony Mobile engineers' design philosophy, but you probably don't realise just how many of the features that Xperia users take for granted were world-firsts that

changed the way we use our phones.

When the Xperia Z launched, it boasted the highest level of smartphone water resistance³, while the [Xperia XZ2](#) arrived on the market with the world's first 4K HDR Movie recording in a smartphone⁴. The [Xperia XZ2 Premium](#), meanwhile, offers users the chance to watch their films and videos with a 4K HDR display, as well as being the first smartphone with Gigabit-class download speeds⁵.

We've created this handy infographic telling you everything you need to know about Sony Mobile smartphone innovations. Take a look and let us know your favourite Xperia feature in the comments below.



¹ **Xperia 1 – Worlds First 4K HDR OLED display on a smartphone**

Xperia 1 features a 6.5 inch Ultra Wide 4K (1644 x 3840px) OLED High Dynamic Range (HDR) display. The 21:9 CinemaWide screen allows you to experience a cinematic aspect ratio and colour accuracy to bring you a

picture that's true to the creator's vision. Verified by Strategy Analytics' SpecTRAX Service against the published display specifications for over 14,000 smartphones. Correct as of 24th February 2019.

²Xperia 1 – Worlds First Eye AutoFocus in a smartphone

Inspired by Sony Alpha technologies used by professionals, Xperia 1's camera features Eye AF (autofocus) capable of identifying and keeping a human eye in focus. Verified by Strategy Analytics' SpecTRAX Service against the published camera specifications for over 14,000 smartphones. Correct as of 24th February 2019.

³Xperia Z – Highest level of water resistance in a smartphone

As of 4th February 2013 (outside of Japan). In compliance with IP55 and IP57, Xperia Z is protected against the ingress of dust and is water resistant. Provided that all ports and covers are firmly closed, the phone is (i) protected against low pressure jets of water from all practicable directions in compliance with IP 55; and/or (ii) can be kept under 1 meter of freshwater for up to 30 minutes in compliance with IP 57.

⁴Xperia XZ2 – first 4K HDR movie recording in a smartphone

Xperia XZ2 captures and stores 4K HDR video with a colour depth of 10-bit in HLG format. Verified against the published video specifications of over 11,800 smartphones by Strategy Analytics' SpecTRAX Service. Correct as of 25th February 2018. For more information on Strategy Analytics' results go to: <https://www.sonymobile.com/gb/legal/testresults/>

⁵Xperia XZ Premium – 4K HDR display / gigabit-class download speeds / Super slow motion in a smartphone

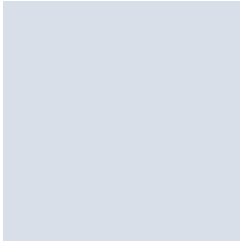
Xperia XZ Premium features a 4K (HDR) display, Qualcomm's Snapdragon 835 2.45GHz octa-core processor with downlink speeds of up to 1 Gbps, a memory -stacked image sensor for 5x faster image capture. Verified by Strategy Analytics' SpecTRAX Service against the published display, processor and camera specifications for over 11,000 smartphones. Correct as of 31st August 2017.

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