

Quantum Dots Make CES 2013 Appearance

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An advanced LCD technology makes a quiet CE appearance in Sony TVs at CES 2013-- quantum dots, a nanoscale technology producing what Sony claims is "the best colour ever."



Sony calls it "Triluminos," and while staff manning the company's CES booth could not tell what it actually is an explanation comes through the MIT Technology Review.

A development from startup QD Vision, quantum dot technology is similar to OLED-- nanoscale particles (the titular quantum dots) form the display's pixels, which turn on and off through electrical current applied via transistor.

A pure blue LED stimulates the quantum dots, which emit either pure green or pure red light. Since quantum dots emit very specific wavelengths of light (in blue, red and green), the technology results in a larger colour gamut and more saturated colours similar to those seen in OLED panels.

The technology will appear in Bravia TVs carrying the "Triluminos" brand, including the KD-65X900A announced at CES 2013.

Go [Quantum Dots Get Commercial Debut \(MIT Technology Review\)](#)