Sony to release a professional grade OLED screen

February 17 2011, by Katie Gatto

(PhysOrg.com) -- Sony is set to begin selling a professional-grade monitor that will contain the largest number of commercial organic light-emitting diodes in a single screen produced to date. The monitor, which was designed for the TV and film production industries, is set to go on sale on May 1. They are expected to be used in locations such as editing bays, satellite trucks and broadcasting control rooms. The OLED screen will have a 25-inch screen. A second model, one that features a smaller 17-inch screen, is expected to go on sale on the first of July.

The OLED is a flat-panel screen technology made up of cells that

contain an organic material. The material used omits its own light. This allows the screens to be made thinner than the more well-known LCDs flat screens. The OLED screens are also more power efficient than LCD screens. OLED's are significantly more expensive to produce than LCD screens, which has hindered their wide-scale adoption, but they handle fast-moving images better. The colors also appear richer on the OLED screens when compared to images shown on the LCDs. Sony hosted a live demonstration of the new monitors at its Tokyo headquarters and played the same video footage on OLED and LCD monitors side-by-side to illustrate this point.

The new monitors will not be cheap. The 25-inch model is expected to cost $28,840. Despite how high that number seems when you compare it to the average home LCD monitor, it will only cost about 10 percent more than the LCD monitors that are currently in production for the film industry.

OLED screens are already common in smaller gadgets, such as cell phones and other handheld devices.

More information: Sony press release: pro.sony.com/bbsccms/assets/fi … _series-HPA_2011.pdf

Citation: Sony to release a professional grade OLED screen (2011, February 17) retrieved 10 April 2024 from https://phys.org/news/2011-02-sony-professional-grade-oled-screen.html