IGZO: LCD monitor featuring the industry's thinnest design in a high-resolution 4K2K display

November 28 2012

Sharp PN-K321 LCD Monitor
Note: Simulated on-screen image; differs from actual display.

Sharp Corporation will introduce into the Japanese market a new 32-inch-class LCD monitor, the PN-K321, a professional monitor featuring proprietary IGZO technology and delivering 4K × 2K resolution (3,840 × 2,160 pixels), four times that of full HD.

Demand for ultra-high-definition 4K2K displays is forecast to grow for numerous business and professional applications, including creating and editing graphics and video, financial-related operations requiring intensive use of graphs and small text, and CAD services for displaying detailed drawings.

The PN-K321 is Sharp's latest ultra-high-definition display and features smaller transistors (TFTs) in the LCD panel compared to conventional displays, thereby increasing the amount of transmitted light per pixel. Because 4K2K displays enable clear, crisp display of large amounts of information ranging from small text to detailed images on one screen, they boost operational efficiency by sparing users the need to scroll frequently.

In addition, Sharp's IGZO technology makes it possible to adopt a specially designed edge-lit LED backlight system that enables the depth of the main body to be reduced to a mere 35 mm to achieve the industry's thinnest design. Even though the PN-K321 features a large 32-inch-class screen, there is no sense of crowding when placed on an office desktop. In addition, this unit can also blend in when installed in public spaces. Further, input connectors are compatible with the latest DisplayPort and HDMI interface specifications, enabling the PN-K321 to be connected to a PC via a single cable for the display of large volumes of 4K2K data.

The introduction of this unit marks the beginning of Sharp's continuing commitment to strengthen its lineup of ultra-high-definition displays.

Major Features

- 4K2K resolution (3,840 × 2,160 pixels) enables high-definition image display with four times the resolution of full HD.

- The industry's thinnest profile design, with the main body approximately 35 mm deep.
- Connectivity with PCs via a single cable for displaying 4K2K data.

More information: www.sharp.co.jp/lcd-display/corporate/

Source: Sharp