



EIZO Introduces a 2K × 2K Capable 30-inch Monitor for Non-Critical ATC Environments

Hakusan, Japan, February 1, 2010 – Eizo Nanao Corporation (TSE: 6737) today introduced the Raptor WS3001, a 30-inch LCD monitor designed to serve as an ideal alternative to a 2K × 2K primary control monitor in non-critical ATC environments such as training & simulation centers and technical labs.



The Raptor WS3001 downscales 2K × 2K signals (2048 × 2048) to a 1600 × 1600 resolution. For non-critical ATC environments the Raptor WS3001 presents an economical alternative to purchasing a 2K × 2K monitor. In addition, the Raptor WS3001 can also downscale a signal from a 2.5K × 2K (2560 × 2048) primary control monitor to a resolution of 2000 × 1600.

Downscaling is done inside the Raptor WS3001 itself. This ensures that system integrators can use the plug and play monitor without having to invest time and money in adding downscaling capabilities to their existing ATC applications. Furthermore, hardware downscaling ensures that grayscale gradations are displayed smoothly and the screen updating speed is maintained.

The Raptor WS3001 has a native resolution of 2560 × 1600 (16:10 aspect ratio). The maximum brightness is 270 cd/m², contrast ratio is 900:1, and horizontal and vertical viewing angles are 178°. A 6 ms gray-to-gray response time minimizes blurring and ghosting for smooth playback of moving images, such as weather patterns, tracks, and rubber-banding.

The square-scaled 2K × 2K image can be moved to the right or left side of the screen. This image positioning flexibility is particularly convenient when using the Raptor WS3001 next to an auxiliary monitor since the amount of eye movement between screens will be minimized.

The Raptor WS3001 uses just 82 watts in normal operation and less than 2 watts in standby mode whereas a 2K × 2K monitor can require up to 160 watts during normal operation and 15 watts in standby mode.

The Raptor WS3001 comes with an EIZO-designed ASIC (application specific integrated circuit) built into the monitor. The ASIC features a 12-bit look-up table with a total color palette of 68 billion colors from which the most appropriate 16.7 million are selected. The ASIC also has 16-bit internal processing for smooth display of grayscale tones. This brings out details, especially in dark areas of an image, which are essential for ATC applications to reduce eye fatigue and improve image clarity.

A picture-by-picture function divides the screen into two equal halves of 1200 × 1600 and displays input from two independent computers simultaneously. This is practical if using two units of the Raptor WS3001 in the same setup to ensure aesthetic and performance consistency ; the first for downsampling a 2K × 2K signal and the second for displaying content for auxiliary monitors with this picture-by-picture function.



Additional Features

- 118 mm height adjustment, 40° tilt and 70° swivel.
- USB 2.0 hub with one upstream and two downstream ports.
- Brightness can be lowered to 3 cd/m² to help reduce eye fatigue in training centers with little or no ambient lighting.
- Three preset modes with user-defined settings for brightness, gamma, and color temperature.
- Brightness, gamma, saturation, hue, gain and color temperature adjustments in OSD menu.
- Manufacturer's five-year limited warranty¹.

Availability

The Raptor WS3001 is now shipping. For information about availability and pricing please contact the EIZO subsidiary or distributor in your country for details.

About EIZO

Eizo Nanao Corporation is a leading global manufacturer of high-end visual display products with a wide range of LCD monitors. The image quality, long-term reliability, and innovative features of EIZO monitors make them the products of choice in many financial trading rooms, hospitals, back offices, and design studios throughout the world. EIZO is based in Japan and represented in over fifty countries by a network of exclusive distributors.

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¹ The usage time is limited to 30,000 hours or less, and the warranty period of the LCD panel and backlight is limited to three years from the date of purchase

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