# EIZO Releases FlexScan® Widescreen Monitors with Proprietary Technology for Clearer and Sharper Moving Picture Playback

**Hakusan, Japan, January 16, 2007** – Eizo Nanao Corporation ("EIZO") today introduced two widescreen LCD monitors, the 21.1-inch FlexScan S2111W and the 24.1-inch FlexScan S2411W. Both models incorporate in-house technology developed for EIZO's TVs[1] to produce clearer and sharper moving images. This moving picture playback ability combined with abundant screen size and a widescreen format make these models ideal for video editing, DTP, 3D-CAD, and watching DVDs.

The wide format provides a 16:10 aspect ratio (1680 × 1050 and 1920 × 1200 native resolutions for the S2111W and S2411W respectively) for significantly more horizontal space than the 4:3 aspect ratios of monitors with the same screen size. Brightness is a very high 450 cd/m² and viewing angles are a wide 178° both horizontally and vertically.

These models offer several new features for improved motion picture playback. The first two features – ContrastEnhancer and OutlineEnhancer – are from an ASIC (application specific integrated circuit), originally developed for EIZO TVs. In dark images, the ContrastEnhancer decreases luminance of the backlight to eliminate oversaturated whites and then raises gain levels to restore brightness, while in bright images it corrects the gamma levels by decreasing luminance in low grayscale tones. It raises the LCD panels' contrast ratio from 1000:1 to 3000:1 to provide deeper blacks and more lifelike images. The OutlineEnhancer is a filter to sharpen blurred areas of images and comes with seven levels of user-controlled adjustments. Since sharpening is done by the monitor instead of by software on the PC side it works on not just still but also moving images.

Midtone response times of 8 ms for the FlexScan S2111W and 6 ms for the FlexScan S2411W also help to insure smooth moving picture playback. The S2411W also supports 1080p high definition digital signal so it can display a resolution of 1920 × 1080 (16:9 aspect ratio) without stretching the pixels horizontally. (Black borders are displayed on the top and bottom of the screen.)

Both models offer 14-bit color processing for accurate grayscale rendering, especially in the dark areas and shadows of an image. The OSD menu includes adjustment of gamma, saturation, hue, gain and color temperature. For fine-tuning of even a single color, the hue and saturation settings for red, green, blue, cyan, magenta, and yellow can be adjusted independently.

Users looking for appropriate settings for all types of content can choose from one of five imaging modes – Text, Picture, Movie, Custom, and sRGB. Toggling from one mode to another is done by touching a single switch on the front panel. For further convenience, any mode can be assigned to any application with the bundled ScreenManager® Pro for LCD utility software[2]. When the application is opened, the screen automatically changes to its assigned mode.

The design incorporates several features for convenience and ease of use. EIZO's ArcSwing 2 stand offers an arc-shaped range of movement to allow the screen to be positioned up high near eye level or lowered at an angle akin to reading a book for a more natural viewing posture. The base swivels 344° so the screen can be shown to anyone sitting nearby. The cabinet color is available in black,

white/silver, or titanium silver. Connectivity ports include dual DVI-I inputs which support both digital and analog signals from PCs, and a high speed USB 2.0 hub. The USB hub includes two downstream ports located on the left side of the panel for quick connection to peripherals.

Choosing color schemes that can be recognized by people with different types of color vision or "Color Universal Design" is of growing importance to designers. The FlexScan S2411W can simulate two types of color vision deficiency[3] – protanopia and deuteranopia – allowing designers to check how their colors appear to those with color blindness. With the S2411W, all simulation is done in real time for both still and moving images, making it a fast and therefore practical alternative to software-based tools. Toggling between normal viewing mode and color vision deficiency simulation modes is done with the bundled UniColor Pro software (supported by Windows XP/2000 only).

**Additional Features**
- Compliance with TCO'03 (both models) and TCO'06 media displays (S2111W only).
- Approved as a Color Universal Design product by the Color Universal Design Organization of Tokyo, Japan (FlexScan S2411W only).
- Both models come with an industry-leading five-year warranty[4].

**Availability**
The FlexScan S2111W and FlexScan S2411W are now shipping. Date of availability varies by country so 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 monitor systems. 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. EIZO is based in Japan and represented in more than fifty countries by a network of exclusive distributors.

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[1]EIZO TVs are currently only available in Japan.
[2]ScreenManager Pro for LCD can only be used with the Microsoft® Windows® 98SE, Me, 2000, and XP operating systems and requires a USB connection between the monitor and the PC.
[3]The FlexScan S2411W simulates but does not show colors exactly how they appear to a person with protanopia (shades of red are reduced or not distinguishable in depth and luminosity) or deuteranopia (differences between red and green are difficult to distinguish). People with color vision deficiency are more sensitive to differing levels of luminance and saturation than those with normal color vision; some differences in color perception will remain. What this product can do is make it easier to identify which color schemes will be difficult for protanopes and deuteranopes to distinguish.
[4]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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