The combination of Paper Mode and the Auto EcoView brightness adjustment function reduces blue light even more. In a monitor with an LED backlight where Paper Mode and Auto EcoView were used, the blue light was reduced to 1/6th (when shipped) of the initial measurement of sample unit: 350 cd/m², 6,500 - 7,000 K. With EIZO’s Fine Contrast function you can choose from several preset modes for the various applications you work with. Toggling between modes can be done manually in the OSD menu or automatically by assigning a mode to a particular application with the bundled ScreenManager Pro for LCD software.

Prevent Eye Fatigue in Dimly-Lit Offices
Fine Contrast includes an EyeCare mode that reduces the screen’s brightness to just 3 cd/m². This ultra-low brightness helps prevent eye fatigue and increase productivity when working in an environment with very dim ambient lighting such as a CAD studio.

Closely Simulates Documents and Books
With office and home spending increasing amounts of time viewing documents and books on their monitors rather than in printed form, Paper mode simulates the look of paper. Paper mode makes reading documents and ebooks more comfortable and thereby reduces eyestrain. (See page 4 for more information about Paper mode.)
Improved Work Efficiency, Reduced Visual Fatigue

EIZO conducted a survey in 2008 to establish the relationship between eye fatigue and monitor use. The survey found that when you properly adjust your monitor’s brightness, the reduction in your ability to focus drops by half (Graph 1). In addition, maintaining correct working posture and taking regular breaks further reduced fatigue levels and increased work efficiency by 12.5% (Graph 2).

Quantity of VDT work per unit of time

<table>
<thead>
<tr>
<th>Standard</th>
<th>Ideal</th>
<th>Ideal brightness, correct posture, regular breaks</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>100%</td>
<td>90%</td>
</tr>
<tr>
<td>0.4%</td>
<td>6.65%</td>
<td>7.96%</td>
</tr>
</tbody>
</table>

VESA Mount Version

For customers that will provide their own VESA-compatible mounting solutions, the FlexScan S1703 is available without a stand.

10-Bit Gamma Correction

This technology helps achieve accurate color by converting the 8-bit PC data to 10-bit, and assigning the ideal gamma values with a 10-bit look-up table (LUT) then returning the data to a 8-bit format for display.

High Contrast Ratio

This outstanding contrast ratio makes for rich, deep blacks and brings out the subtle differences in similar shades of color.

Built-In Speakers

0.5-watt speakers are tucked away at the back of the monitor and out of view so you can enjoy sound while bezel size is kept to a minimum. A headphone jack is also built into the monitor.
Optimized Brightness with Auto EcoView

The Auto EcoView function is a sensor on the front of the monitor that measures ambient light and optimizes the screen’s brightness to a level akin to viewing a sheet of paper. This is cut by up to 50% compared to operating the monitor without Auto EcoView activated and with the screen set at a brightness of 100%.

Auto Image Adjustment

The monitor discerns the input signal from the PC and automatically adjusts the clock, phase, image location, size, etc. In addition, the signal cables that are bundled were developed by EIZO to reduce noise.

Anti-Glare Treatment

A non-glare screen reduces eye fatigue by dissipating reflective light that otherwise makes the screen difficult to view. Furthermore, the surface of the bezels is treated to prevent light reflection.

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EIZO Monitor Features

EIZO monitor features like Auto EcoView, ergonomic stands, and the EyeCare utility help reduce eye fatigue and increase work efficiency.

LED Backlight

With an energy-saving LED backlight, the FlexScan S1703 uses only 8 watts during typical operation. The LED backlight does not contain any mercury for minimal environmental impact when the monitor is eventually disposed of.

Auto Image Adjustment

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Eye Care Utility

The EyeCare utility is EIZO-developed software that helps promote better work habits. It consists of an “EyeCare Reminder” function that reminds you to take scheduled breaks.

Energy Savings across the Network

EIZO’s EcoView NET power management software provides centralized control over the power settings of monitors on a network. With EcoView NET, a systems administrator can confirm the settings for each monitor on the network, turn the power on or off, and if necessary, take measures to combat eye fatigue such as adjust the brightness or activate Auto EcoView, EcoView NET is available from EIZO distributors.

EIZO’s five-year warranty is two years or 67% longer than the standard three-year warranty of most brands. Even if the initial purchase price of the FlexScan S1703 is higher than another 17-inch monitor, the TCO (total cost of ownership) will likely be lower due to the significantly longer buying cycle and less need for repair.
## What is Paper Mode?

Simply put, it is a mode which adjusts the brightness, contrast ratio, and color temperature of a monitor to simulate those of printed paper. Over the course of a workday, PC users must constantly adjust to the differences between how monitors and paper appear. This overworks the muscles of the eyes and is thought to be a source of eye fatigue and stress. Paper Mode was developed to alleviate the eye fatigue and stress that PC users feel.

### Comparison between paper, EIZO square monitors, and Paper Mode

<table>
<thead>
<tr>
<th>Method</th>
<th>Brightness</th>
<th>Contrast Ratio</th>
<th>Color Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper</td>
<td>104 cd/m²</td>
<td>m - 50%</td>
<td>6500 K</td>
</tr>
<tr>
<td>EIZO square monitors</td>
<td>326 cd/m²</td>
<td>m - 50%</td>
<td>6500 K</td>
</tr>
<tr>
<td>Paper Mode</td>
<td>104 cd/m²</td>
<td>m - 50%</td>
<td>6500 K</td>
</tr>
</tbody>
</table>

### Effect of Lowering Brightness and Color Temperature

In the visible light spectrum, blue light has wavelengths adjacent to ultraviolet light. Compared to the factory preset setting of 6,500 K of typical LCD monitors, Paper Mode is closer to the spectral distribution with long reddish wavelengths so it reduces the amount of blue light, a cause of eye fatigue.

### Prevents Eye Fatigue in Dimly-Lit Offices

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### Closely Simulates Documents and Books

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