



**CNET EDITORS' RATING**  
3.0 stars REVIEW

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**SPECIFICATIONS**

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Display Type:LED display  
Diagonal Size:22 in  
Max Resolution:1920 x 1080

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Reviewed on: 06/28/2010  
Released on: 06/28/2010

DESIGN:**7.0**  
FEATURES:**7.0**  
PERFORMANCE:**6.0**  
SERVICE AND SUPPORT:**6.0**  
[Editors' rating explained](#)

CNET energy rating:



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**The good:** The AOC e2237Fwh's low price goes a long way toward making you forget it has only decent performance. Also, its robust On Screen Display gives you lots on configuring options. Its built-in speakers add to the value.

**The bad:** The AOC e2237Fwh has little ergonomic support and performance problems that are somewhat exacerbated by its always tilted panel.

**The bottom line:** The AOC e22337wh is a low-price monitor with decent performance.

**Review:**

The \$229 LED-based AOC e2237Fwh performs decently and has a striking and unique aesthetic style. The monitor has built-in speakers, a robust On Screen Display, and, unlike the similarly designed [Asus MS238H](#), the AOC includes both HDMI and DVI support. However, the panel is never at a full 90 degrees, giving the display a constant non-optimal viewing angle, which adversely affects performance. If a low-priced, decent-performing monitor with some aesthetic panache is what you're looking for, the AOC e2237Fwh will fit that requirement quite well.

### Design and Features

The 22-inch AOC e2237Fwh has a black bezel that contrasts nicely with its white back. At the center bottom of the bezel is a blue, glowing power button that also doubles as the On Screen Display (OSD) array menu button. Below the bezel is a blue LED "desk light" that stretches horizontally across the middle of the monitor, illuminating the desktop space below it. The entire chassis is enclosed in a transparent plastic casing. The casing extends downward, past the bottom of the bezel until it reaches the desktop.

Its unique foot stand keeps the e2237Fwh constantly tilted back 5 or 15 degrees, so it is never at a perfect 90 degree angle. The stand keeps the monitor stabilized when knocked from the sides; however, when it encounters a strong enough force from the front, it will topple over quite easily. The bezel is 1.2 inches wide on the sides and the panel is a short 0.7 inch deep at its shallowest and about 1.75 inches at its deepest depth. The monitor does not have height, pivot, or swivel adjustment options.

Connection options include VGA, HDMI, and DVI. These ports are located on the back of the display, on the lower right side. Unfortunately, they are embedded about an inch into the chassis and so are not as easily accessible as they are on the . To the right of the VGA input is an audio jack for the built-in speakers.

As previously mentioned, the power button doubles as the OSD menu button. Surrounding it are four touch areas, each denoted by a small blue LED dot. Each dot is a shortcut to different OSD functions, including Presets, Speaker volume, Source, and an aspect ratio switch. Pressing the power button brings up the OSD menu, which can be navigated with the four touch area dots acting as directional keys.

The OSD includes controls for contrast, brightness, gamma, and an Eco Mode that lowers the brightness automatically. The display includes seven main presets, as well as color temperature presets options such as Cool, Normal, Warm, sRGB, and User Mode. The Display also includes an ambient light sensor.

<b>Design highlights:</b>
Connectivity: HDMI, DVI, VGA
Ergonomic options: Up to 15-degree back tilt
Resolution: 1920x1080
Aspect ratio: 16:9
Audio: Built in Speakers
VESA support: Yes

<b>Feature highlights:</b>
Included video cables? VGA
Backlight: LED
Panel Type: TN
Screen film: Matte
Pixel-response rate: 5ms
Number of presets: 7
Overdrive: No
Picture options: Brightness, Contrast, Ambient Light Sensor
Color controls: RGB controls, Color Temp: Warm, Cool, sRGB
Gamma control: Yes

**Performance**We tested the AOC e2237Fwh through its DVI input, connected to a Windows Vista PC. The display posted a composite score

of 83 on CNET Labs'

**Review:**

**Games:** Because of our intimate familiarity with World of Warcraft, it remains the best tool for judging color quality and vibrancy in games. We found that the Game mode preset (represented by the Xbox-like control pad icon) displayed colors that were mostly accurate, but didn't pop nearly as well as on the PX2370. The PX2370 is able to walk that fine line of having eye-popping colors without over saturating the image.

**Photos:** We looked at some photos in the Photo preset and noticed a green tint in faces and environments. We found that the sRGB color preset, coupled with the default/standard overall preset, provided the best photo picture quality in terms of color accuracy. Still, the PX2370 looked better overall, with even more accurate colors and clarity.

**Viewing angle:** The optimal viewing angle for a monitor is usually directly in front, about a quarter of the screen's distance down from the top. At this angle, you're viewing the colors as they were intended by the manufacturer. Most monitors are not made to be viewed at any other angle. Depending on its panel type, picture quality at non-optimal angles varies. Most monitors use **TN panels**, which get overly bright or overly dark in parts of the screen when viewed from non-optimal angles. The AOC e2237wh uses a TN panel, and when it's viewed from the sides, we perceived the screen darken about 6 inches off from center (a typical viewing angle limit for a TN-based monitor). Using default settings, the PX2370 had a typical viewing angle threshold; however, it includes extra features that improve viewing from specific angles.

**Recommended settings and use:** During general use, playing games, and when watching movies, we found the optimal preset setting for the AOC e2237Fwh was the default/standard preset, with the contrast adjusted to 43. For photo editing and games, sRGB worked best.

As with most TN-based monitors, the AOC e2237Fwh isn't meant to be used if accurate color reproduction is required; however, the monitor is good for watching movies, playing games, and general use. If you do have

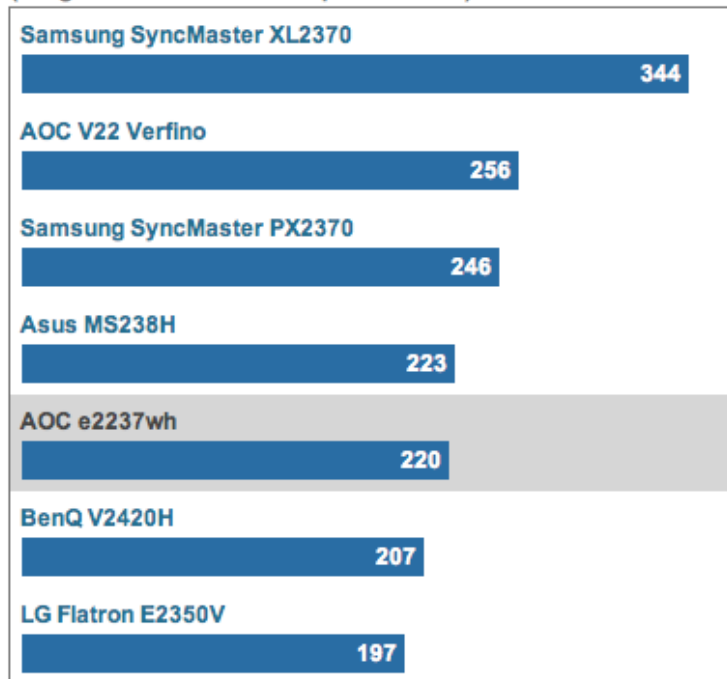
stringent color needs, we suggest you narrow your search to IPS or PVA-based panels only. The [Dell UltraSharp U2711](#) is a good place to start.

### Power consumption

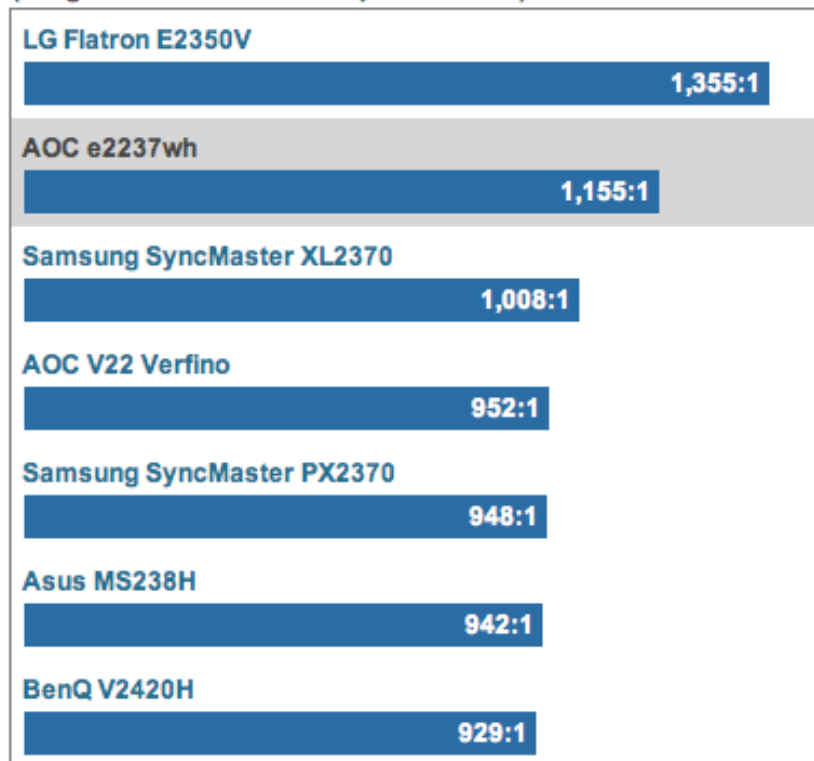
	Average watts per hour
On (default luminance)	18.13
On (max luminance)	18.49
On (min luminance)	12.55
Sleep	0.43
Calibrated (200 cd/m2)	15.92
Annual power consumption cost	\$5.71
Score	Good

The AOC e2237wh achieved good power consumption, with a low Default/On power draw of 19.9 watts, compared with the PX2370's 25.01 watts in the same test. The consumption delta was about twice as wide in our Sleep/Standby test, with the PX2370 pulling ahead with 0.27 watts and the AOC e2237wh drawing 0.43 watts. Based on our [formula](#), the AOC e2237wh would cost a low \$5.71 per year to run, compared with the PX2370's \$7.65 per year.

Brightness in cd/m2  
(Longer bars indicate better performance)

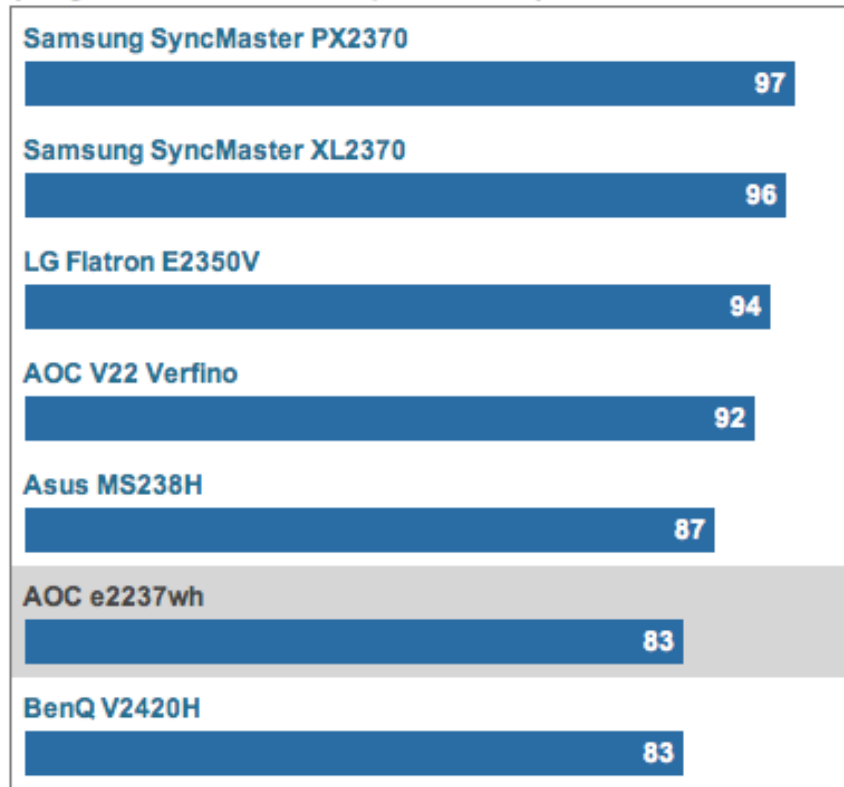


Contrast ratio  
(Longer bars indicate better performance)



## DisplayMate

(Longer bars indicate better performance)



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Service and support AOC backs the e2237Fwh with a three-year parts-and-labor warranty that covers the backlight for only one year. That's two years less than other vendors, which usually offer backlight coverage for three years. E-mail and toll-free tech support are also offered.