

LCD MONITOR
peworld.ltdg.com.au

PC Pow-R-Tech
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Price: \$499
Distributor: Compucon Computers
Phone: (02) 9496 5888
URL: www.compucon.com

Good value 22in widescreen

★★★★☆ AOC 212VA



PC World
AUSSIE TESTED

SCREEN SIZE: 22in
SCREEN RESOLUTION: 1680x1050
DOT PITCH: 0.232
COLOURS: 16.7 million
CONTRAST RATIO: 2000:1
DISPLAY BRIGHTNESS: 300cd/m²
3D/HD/MP: YES
VIEWING ANGLE: Horizontal: 170 degrees, Vertical: 160 degrees
RESPONSE TIME: 5ms
VIDEO TERMINALS/PORTS: DVI, D-Sub

It was just a few short years ago that a 19in LCD monitor would set you back \$500 or more. These days, large widescreen displays are a dime a dozen and AOC's 212VA is the latest offering on the market. With 22in of screen space and a sub-\$430 price tag, it's certainly an attractive proposition for those on a budget and while it does have some colour and uniformity issues, it's a more than capable performer.

We used DisplayMate Video Edition to test the monitor using its analogue and digital connections. In DisplayMate, most of the monitor's problems became evident. The largest of these was some flickering, which was caused mostly by signal interference. It was most prominent during the contrast chart tests, but it also reared its head in our gaming and movie playback tests. Switching from the analogue (D-sub) to the digital (DVI) connection helped clear the flickering issue, although it was still somewhat noticeable.

The colour intensity ramps showed some minor banding issues. There were a few lines visible in the blue and magenta strips but the other colours shifted smoothly. For the most part, colours were represented well, although grey colours did have a slightly blue tinge and we found the

magenta hues to be a little too saturated. During our gaming tests, we were pleased with the lack of ghosting. AOC quotes a 5ms response time for this model, which is more than adequate, even for hardcore gamers, and we saw no real signs of streaking, even during our faster tests. Contrast was fairly good, with reasonable detail rendered in dark areas, but it wasn't the best we've seen. That said, the brightness could've been a little higher at times as whites came out quite dull.

Viewing angles were reasonably good, although detail does become a little skewed on the horizontal axis the further you move away from centre. During our movie tests, we spotted some minor uniformity issues towards the top and bottom of the display, but it shouldn't be a big problem.

There are a number of preset colour temperature options, as well as a custom setting and, as usual, the brightness, contrast, hue and saturation can all also be altered. The unit comes with both DVI and D-Sub ports, but considering the issues we had when running it via D-Sub, we'd definitely recommend sticking to the digital option.

Aesthetically the 212VA isn't anything special, with a matte, silver bezel and plain black buttons adorning the front. The bezel is a little thicker than normal on the bottom as it also houses a pair of speakers. If you're at all concerned with audio quality, we wouldn't recommend using them as your primary sound source due to poor bass levels and a lack of detail, but they work alright in a pinch.

The Final Word: The AOC 212VA isn't at the top of the monitor pack, but considering its price tag, it's good value for money for those looking to purchase a widescreen PC display. ANDREW HULLION

WHAT'S HOT
 Low price, sharp picture, good contrast.

WHAT'S NOT
 Flickering issues, particularly when running through a D-Sub connection; some colour errors.

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WIDESCREEN LCD MONITORS	Model	Price	Product #	Out price	Resolution	Refresh rate	Response time	Inputs	Special features	Viewing angle	
Acer W2021	1300 278 788 www.acer.com.au	20in	\$469	4126	0.258	1680x1050 16.7 million	2000:1 300	5ms	DVI-D, D-Sub	Tilt	Yes
Dell UltraSharp 2107WFP	1800 099 380 www.dell.com.au	20in	\$649	3819	0.258	1680x1050 16.7 million	800:1 300	16ms	DVI, D-Sub, Composite S-Video, USB (for peripherals)	Tilt, swivel, height adjustable, pivot	No
Philips Brilliance 220W07	1300 651 993 www.philips.com.au	20in	\$629	3819	0.258	1680x1050 16.7 million	600:1 300	8ms	DVI, D-Sub	Tilt, swivel, height adjustable, pivot	No
AOC 2222W	1300 300 507 www.aoc.com.au	22in	\$439	3857	0.282	1680x1050 16.7 million	800:1 300	5ms	DVI, D-Sub	Tilt	Yes
AOC 2109	(02) 9469 5888 www.aoc.com.au	22in	\$399	3634	0.282	1680x1050 16.7 million	3000:1 300	5ms	DVI, D-Sub	Tilt	Yes
AOC 212VA	(02) 9496 5888 www.compucon.com.au	22in	\$499	4175	0.282	1680x1050 16.7 million	2000:1 300	5ms	D-Sub, DVI-D	Tilt, Not stated	Yes
ASUS W2021	1300 278 788 www.asus.com.au	20in	\$799	3198	0.282	1680x1050 16.7 million	2000:1 300	2ms	HDMI, DVI-D	Tilt, swivel	Yes
Acer W2021	1300 278 788 www.acer.com.au	20in	\$499	4151	0.282	1680x1050 16.7 million	2000:1 300	2ms	DVI-D, D-Sub	Tilt	Yes
BenQ FP222W	(02) 8853 8800 www.benq.com.au	22in	\$599	3399	0.282	1680x1050 16.7 million	700:1 300	5ms	DVI, D-Sub	Tilt	Yes
Chu Mei CMV 222H	(02) 8748 8889 www.chumei.com	22in	\$599	3737	0.282	1680x1050 16.7 million	1000:1 300	5ms	HDMI, D-Sub, Composite S-Video, Stereo RCA audio input, Memory card reader (SD, MMC, CF, CD, MS)	Height adjust	Yes
HP w2007	15 2347 www.hp.com.au	22in	\$799	3827	0.282	1680x1050 16.7 million	1000:1 300	5ms	DVI, D-Sub, USB hub (for peripherals)	Tilt, swivel, height adjustable, pivot	Yes
LG Flatron L22WTFD-BF	1800 725 275 www.lg.com	22in	\$485	3958	0.282	1680x1050 16.7 million	3000:1 300	2ms	DVI, D-Sub	Tilt, swivel	Yes
Philips Brilliance 220W08	1300 651 993 www.philips.com.au	22in	\$629	3590	0.282	1680x1050 16.7 million	800:1 300	5ms	DVI, D-Sub	Tilt	Yes
Samsung SyncMaster 2260W	1300 380 600 www.samsung.com/au	22in	\$799	3448	0.282	1680x1050 16.7 million	3000:1 300	2ms	DVI, D-Sub	Tilt, swivel	Yes
ViewSonic V2223sw	1300 300 100 www.viewsonic.com.au	22in	\$599	3345	0.282	1680x1050 16.7 million	700:1 300	5ms	DVI, D-Sub	Tilt	Yes
ViewSonic V2225sw	1300 300 130 www.viewsonic.com.au	22in	\$599	3676	0.282	1680x1050 16.7 million	700:1 300	5ms	DVI, D-Sub, USB (for Web cam)	Tilt	Yes
NEC MultiSync LCD1900WU	(02) 9333 0000 www.nec.com.au	24in	\$2,179	3814	0.27	1920x1200 Not stated	800:1 400	8ms	DVI-D, VGA, D-Sub	Swivel, pivot, height adjust	Not stated
Samsung SyncMaster 2400	1300 380 600 www.samsung.com/au	24in	\$999	4172	0.27	1920x1200 16.7 million	3000:1 400	5ms	DVI, D-Sub	Tilt, height adjust	Yes
NEC MultiSync LCD1900WU	(02) 9333 0000 www.nec.com.au	24in	\$2,229	3887	0.287	1920x1200 Not stated	800:1 400	8ms	DVI-D, DVI, D-Sub	Swivel, tilt, height adjust	Not stated
Samsung SyncMaster 2151	1300 380 600 www.samsung.com/au	21in	\$2,099	3889	0.309	1920x1200 16.7 million	1000:1 500	5ms	DVI, Composite video input, Composite input, D-Sub, D-Video input	Tilt	Yes
ViewSonic V2283sw	1300 300 100 www.viewsonic.com.au	28in	\$1,289	4332	0.308	1920x1200 Not stated	800:1 500	3ms	D-Sub, Composite S-Video, HDMI, 2x RCA audio input, 5.1ch PC audio input	Not stated	Not stated
Dell UltraSharp 3007WFP-BC	1800 099 380 www.dell.com.au	30in	\$1,999	3924	0.3393	2560x1600 16.7 million	1000:1 300	12ms	DVI-D	Swivel, tilt, height adjust	Not stated

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Full review Text

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