

# Pristine and Stunning Visual Clarity

## See What We See with VA Panel Technology



Panels matter. They determine the image quality, clarity, color performance, brightness, viewing angles – as well as many other important aspects of a computer monitor. Manufactured by AUO Optronics, a world-leading TFT-LCD manufacturer in the design, R&D and manufacturing of TFT-LCD panels, Vertical Alignment (VA) panels outperform conventional panels with four major advantages:

### 5000:1 Ultra High Native Contrast

There are two types of contrast ratio: “native”, which is what the panel itself can do, and “dynamic”, which is the contrast performance based on the signal source and backlight technology. Contrary to conventional panels, which only come with a 1000:1 native contrast ratio, VA panels boast an ultra-high native contrast ratio of 5000:1, bringing out every hue from the brightest whites to the deepest black with greater subtlety and clarity. Every image is a refreshing joy to behold on VA panels.

### True Blacks and Minimized Light Leakage

Known for minimized light leakage and naturally deeper blacks, VA panels bring out flawlessly layered and contrasted details in the most complex images by keeping the backlight from passing through.



### 178°/178° Wide-Viewing Angles

You can enjoy truly authentic colors and ultra sharp details from left, right, above and below with a wide-viewing angle of 178°/178°. Viewing, as you know it, will never be the same.



### True 8-bit Color Performance

An 8-bit VA panel delivers smoother and more stable color transitions by rendering a total of 16.7 million color shades simultaneously. A 6-bit panel with Advanced Frame Rate Control (ARFC) requires interpolation to display the same number of colors as a true 8-bit panel does.



\*All comparison tests were conducted at BenQ's standard testing environment.

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Enjoyment Matters

# GW Series

## Features

- Full HD 1920 x 1080 Resolution
- 5,000:1 Native Contrast Ratio
- 20M:1 High Dynamic Contrast Ratio
- 4ms GTG, Wide Viewing Angle
- Senseye® Technology
- True 8-bit Panel
- Built-in Speakers
- HDMI Multimedia Interface
- Deep Blacks and Minimized Light Leakage



Specifications	GW2250	GW2450	GW2750HM
Product Color	Glossy Black	Glossy Black	Glossy Black
<b>Display</b>			
Backlight Unit	LED	LED	LED
Panel Type	VA	VA	VA
LCD Size	21.5"W	24"W	27"W
Aspect Ratio	16:9	16:9	16:9
Resolution (max.)	1920 x 1080	1920 x 1080	1920 x 1080
Display Area (mm)	476.64 x 268.11	531.36 x 298.89	597.60 x 336.15
Pixel Pitch (mm)	0.248	0.276	0.311
Brightness (typ.)	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Contrast (typ.)	5000 : 1	5000 : 1	5000 : 1
DCR (Dynamic Contrast Ratio)(typ.)	20M : 1	20M : 1	20M : 1
Viewing Angle (L/R;U/D) (CR>=10)	178 / 178	178 / 178	178 / 178
Response Time(Tr+Tf)(typ.)	4ms GTG	4ms GTG	4ms GTG
Display Colors	16.7million	16.7million	16.7million
<b>Audio/Video Inputs/Outputs</b>			
Input Connector	D-sub / DVI	D-sub / DVI	D-sub / DVI / HDMI; Headphone jack / Line in
<b>Power</b>			
Power Supply (90~264 AC)	Built-in	Built-in	Built-in
Power Consumption (On mode)	25W (Base on Energy Star)	25W (Base on Energy Star)	30W (Base on Energy Star)
(Power saving mode)	<0.3W	<0.3W	<0.3W
<b>Dimensions &amp; Weight</b>			
Dimension with stand (HxWxD)	15.7" x 20.6 x 6.8" (400 x 525 x 174 mm)	17.2" x 22.8" x 7.0" (437 x 580 x 179 mm)	19.25" x 25.7" x 7.5" (489 x 654 x 191 mm)
Dimension without stand (HxWxD)	12.6" x 20.6 x 2.4" (320 x 525 x 61 mm)	13.8" x 22.8" x 2.5" (351 x 580 x 63 mm)	15.6" x 25.7" x 2.6" (397 x 654 x 65 mm)
Net Weight	8.16 lbs (3.7 kg)	9.04 lbs (4.1 kg)	12.35 lbs (5.6 kg)
<b>Special Features</b>			
Vista	Premium	Premium	Premium
Win7	Yes	Yes	Yes
Senseye® Human Vision Technology	Senseye 3	Senseye 3	Senseye 3
HDCP	Yes	Yes	Yes
Color Temperature	Reddish / Normal/ Bluish /user mode	Reddish / Normal/ Bluish /user mode	Reddish / Normal/ Bluish /user mode
OSD Language	17 languages	17 languages	17 languages
Speaker	N/A	N/A	2W x 2
VESA Wall Mounting (mm)	100x100	100x100	100x100
Tilt (down/up)	-5/15	-5/15	-5/15
<b>Accessories Included</b>			
Signal Cable	VGA	VGA	VGA



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