Philips Brilliance
LCD widescreen monitor

56 cm (22") wide
WSXGA+

Brilliance

220BW9CS

Ergonomic business display
for higher productivity

Larger, better widescreen business display:delivering the best ever LCD picture quality, compact ergonomic base for better viewing position, built-in sound, Vista-ready, Eco-friendly design, the Philips Brilliance 220BW9 is ready to get the job done.
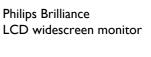
Designed for maximum productivity
- TrueVision: Laboratory quality display performance
- Big, wide screen ideal for viewing two A4 pages side by side
- Empowered for Windows Vista

Outstanding front of screen performance
- SmartImage: Optimised user-friendly display experience
- SmartContrast: For incredible rich black details

Great convenience
- Dual input accepts both analogue VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Easy picture format control switching between wide and 4:3 formats
- Tilt, swivel and height-adjust for an ideal viewing position
- USB port for convenient peripheral connections
- Built in stereo audio for multimedia experience

PHILIPS

Highlights

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and gives you optimised display performance. This user-friendly interface allows you to select various modes like Office, Image, Entertainment, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

TrueVision

TrueVision is an industry leading, proprietary Philips testing and algorithm technology for the adjustment and fine-tuning of monitors, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements, for each monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of colour accuracy and display quality in every new monitor.

SmartContrast

SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

Dual input

Dual input provides connectors to accommodate input of both analogue VGA and digital DVI signals.

SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, colour calibration and other display settings including brightness, contrast, clock and phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

Widescreen

A big, widescreen display that improves productivity by displaying two A4 pages side by side.

Compact Ergo Base

The Compact Ergo Base is a 'people-friendly' Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

USB 2.0 port

The USB port allows the user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices that use USB connection. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass through to the computer. Note that many devices like cameras and HDD may need to be powered on independently, as they have higher power requirements than the monitor USB port can provide.

Windows Vista-ready

Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organising information for work or play quick, efficient and easy.

Built-in stereo audio

A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

SmartImage™   SmartErgo Base   SmartContrast   USBConnectivity   HDCP ready   Built-in Speaker

Specifications

Picture/Display
- Panel Size: 22"/55.9 cm
- LCD panel type: 1680 x 1050 pixels, Anti-glare polariser, RGB vertical stripe
- Optimum resolution: 1680 x 1050 @ 60 Hz
- Maximum Resolution: 1680 x 1050 @ 75 Hz (analogue), 1680 x 1050 @ 60 Hz (digital)
- Display colours: 16.7 M
- Aspect ratio: 16:10
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 10000:1
- Viewing angle: 176° (H)/170° (V), @ C/R > 5
- Response time (typical): 5 ms
- Effective viewing area: 474 x 296 mm
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Pixel pitch: 0.282 x 0.282 mm
- sRGB

Connectivity
- Signal Input: VGA (Analogue), DVI-D, PC Audio in
- USB: USB 2.0 x 1
- Audio output: Stereo Audio (3.5 mm jack) 1 x
- Sync Input: Composite Sync, Separate Sync, Sync on Green

Convenience
- User convenience: SmartControl II, SmartManage enabled, Picture format selection, On-screen Display
- Built-in Audio: 1.5 W x 2
- Monitor Controls: Auto (Back), Brightness (Up), Menu (OK), Power On/Off, SmartImage, Volume control (Down)
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista
- Regulatory approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Height Adjustment: 70 mm
- Swivel: +/-45°
- Tilt: -5° to 20°
- Other convenience: Kensington lock compatible
- VESA Mount: 100 x 100 mm

Dimensions
- Set dimensions with stand (W x H x D): 502 x 446 x 228 mm
- Set dimensions with stand in inch (W x H x D): 19.8 x 17.6 x 8.98 inch
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Set dimensions (W x H x D): 502 x 346 x 58 mm
- Set dimensions in inch (W x H x D): 19.8 x 13.6 x 2.26 inch
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Box dimensions (W x H x D): 562 x 480 x 168 mm
- Box dimensions in inch (W x H x D): 22.1 x 18.9 x 6.61 inch
- Product weight (+stand): 5.12 kg
- Product weight (+stand) (lb): 11.3 lb
- Weight incl. Packaging: 6.8 kg
- Weight incl. Packaging (lb): 15.0

Power
- Consumption (On mode): < 45 W (Typical)
- Consumption (economy mode): 34 W
- Complies with: Energy Star
- Consumption (Off Mode): < 0.8 W
- Power LED indicator: Operation - Blue, Standby/sleep-blue (flashing)
- Power supply: Built-in, 100-240 VAC, 50/60 Hz