The first-ever SmartAccessory monitor

With the first-ever SmartAccessory to personalize your workspace and help keep it neat plus SmartImage for the best-ever LCD performance and an extra-large wide screen, the 220CW8 brings you premium display and the ultimate in convenience.

Green design
- For your safety: Aerospace composite fire retardant case
- TCO'06 compliance for a better multimedia experience

Outstanding front of screen performance
- Optimize response time for different viewing requirements
- SmartContrast: For incredible rich black details
- SmartImage: Optimized user-friendly display experience
- DVI-D input and HDCP support
- Big, wide screen: IM, write mail, watch videos on one screen
- PerfecTune ensures top quality LCD display delivered to you
- Empowered for Windows Vista

Great convenience
- Hassle-free display performance tuning with SmartControl II
- USB port for convenient peripheral connections
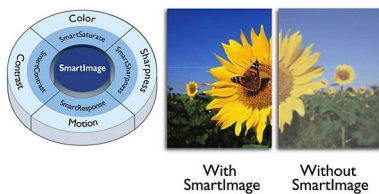- SmartAccessory to personalize and organize your workspace

PHILIPS

LCD widescreen monitor
56cm/22" wide WSXGA+

Highlights

Widescreen design
A wide screen has a wider aspect ratio for displaying more entertainment or information to have more fun and get more done.

SmartImage

With SmartImage   Without SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized 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 optimizes the contrast, color 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!

SmartContrast

With SmartContrast   Without SmartContrast

SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors 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.

SmartResponse

Without SmartResponse   SmartResponse

SmartResponse is exclusive Philips technology that adjusts response time to application requirements, delivering faster response times for gaming and videos or better color saturation for viewing photos and static images.

HDCP ready
High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorized duplication of copyrighted content. HDCP allows you to play protected content media such as movies and concerts. It checks the signal to prevent piracy, allowing only legal copies of content to display.

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

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 organizing information for work or play quick, efficient and easy.

SmartAccessory

SmartAccessory is an innovative and friendly solution for easily and flexibly attaching peripherals like a webcam or stationery onto a monitor frame to keep your space tidy and organized. It is equipped with multifunction clips with a universal interface that attaches to the monitor frame and moves up and down or left and right to accommodate a variety of included or optional holders for stationery, small peripherals like webcams, conveniently locating work or personal items in your line of sight and at your fingertips.

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

USB 2.0 port

USB port allows 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 which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru 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

Specifications

Connectivity
- Signal Input: VGA (Analog), DVI-D
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green

Picture/Display
- Panel Size: 22" / 55.9 cm
- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Pixel pitch: 0.282 x 0.282 mm
- Optimum resolution: 1680 x 1050 @ 60Hz (digital input)
- Brightness: 300 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 4000:1
- Response time (typical): 5 ms
- Viewing angle: 160° (H) / 160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- SmartResponse: 2 ms (Gray to Gray)
- Horizontal Scanning Frequency: 30 - 93 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Maximum Resolution: 1680 x 1050 @ 60Hz (digital input)
- Effective viewing area: 473.76 x 296.1 mm
- sRGB
- Video Dot Rate: 205 MHz

Convenience
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- User convenience: On-screen Display, SmartControl II
- Monitor Controls: SmartImage, Auto (Back), Input (Down), Brightness (Up), Menu (OK), Power On/Off
- Regulatory approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA, TCO '06
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Tilt: -5° to 20°

Power
- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): < 45 W (typical)
- Power LED indicator: Stand by/sleep - Amber, Operation - green
- Complies with: Energy Star
- Consumption (Off Mode): < 1 W
- Consumption (economy mode): 32 W

Dimensions
- Box depth: 161 mm
- Set width (with stand): 518 mm
- Box height: 472 mm
- Set width (with stand) (inch): 20.4 inch
- Box width: 565 mm
- Set height (with stand): 415 mm
- Set height (with stand) (inch): 16.3 inch
- Set Width: 518 mm
- Set depth (with stand): 200 mm
- Set Height: 344 mm
- Set Depth: 64 mm
- Set depth (with stand) (inch): 7.9 inch
- Set Width (inch): 20.4 inch
- Temperature range (operation): 0°C to 40°C
- Set Height (inch): 13.5 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.5 inch
- Box depth (inch): 6.3 inch
- Box height (inch): 18.6 inch
- Box width (inch): 22.2 inch
- Product weight (+stand): 5.4 kg
- Product weight (+stand) (lb): 11.9 lb
- Weight incl. Packaging: 7.19 kg
- Weight incl. Packaging (lb): 15.9
- Relative humidity: 20% - 80%
- MTBF: 50,000 (excl. CCFL 40,000) hrs

Accessories
- Included accessories: AC Power Cord, VGA cable
- User Manual