



Philips  
LCD widescreen monitor

56cm/22" wide  
WSXGA

220SW8FS1



# Move up to bigger widescreen for productivity

Get more done on budget! With a larger viewing area for easy-to-read high resolution text, this Windows Vista-ready Philips 220SW8-PLUS enhances office productivity with augmented viewing comfort and a host of smart features.

## Best total cost of ownership solution

- SmartManage compatibility enables LAN-based asset management
- PerfecTune ensures top quality LCD display delivered to you
- Empowered for Windows Vista

## Designed for maximum productivity

- Big, widescreen ideal for viewing two A4 pages side-by-side
- Display more images and content without scrolling

## Outstanding front of screen performance

- WSXGA+, wide format 1680x1050 resolution for sharper display
- SmartImage: Optimized user-friendly display experience

## Great convenience

- Hassle-free display performance tuning with SmartControl II
- Dual input accepts both analog VGA and digital DVI signals
- Embedded power supply eliminates external power adaptors

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# Highlights

## SmartManage enabled

SmartManage is a system for monitoring, managing and checking status of display devices as well as delivering remote support to users who experience difficulties - all accomplished over a LAN.

## PerfectTune

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.

## Large viewing area

Viewing area is the visible portion of a monitor screen available for displaying data.

## WSXGA+, wide format 1680x1050

Wide format, super extended graphics array is a display specification that is capable of displaying 1680 x 1050 resolution or approximately 1.7 million pixels.

## 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!

## 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.

## Dual input

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

## Embedded power supply

An embedded power supply is a power adaptor built into the body of a display device that replaces a bulky external power adaptor.



# Specifications

## Picture/Display

- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Panel Size: 22" / 55.9 cm
- Effective viewing area: 474 x 296 mm
- Pixel pitch: 0.282 x 0.282 mm
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 3400:1
- Display colors: 16.7 M
- Viewing angle: 160° (H) / 160° (V), @ C/R > 10
- Response time (typical): 5 ms
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297
- Maximum Resolution: 1680 x 1050 @ 60Hz
- Optimum resolution: 1680 x 1050 @ 60Hz
- Video Dot Rate: 205 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Aspect ratio: 16:10
- sRGB

## Connectivity

- Signal Input: VGA (Analog), DVI-D
- Sync Input: Composite Sync, Separate Sync, Sync on Green
- Video input impedance: 75 ohm
- Sync input impedance: 2.2k ohm
- Video input signal levels: 0.7 Vpp

## Convenience

- User convenience: On-screen Display
- Monitor Controls: Auto, Brightness (Left), Contrast (Right), Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista

- Regulatory approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

## Accessories

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

## Dimensions

- Box dimensions (W x H x D): 590 x 522 x 150 mm
- Box dimensions in inch (W x H x D): 23.2 x 20.6 x 5.9 inch
- Set dimensions (W x H x D): 519 x 435 x 69 mm
- Set dimensions in inch (W x H x D): 20.4 x 17.1 x 2.7 inch
- Set dimensions with stand (W x H x D): 519 x 438 x 188 mm
- Set dimensions with stand in inch (W x H x D): 20.4 x 17.2 x 7.4 inch
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 4.68 kg
- Product weight (+stand) (lb): 10.3 lb
- Weight incl. Packaging: 6.69 kg
- Weight incl. Packaging (lb): 14.7

## Power

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



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