



Philips  
LCD widescreen monitor

56cm/22" wide  
WSXGA

220WS8FB

# Vista-ready widescreen for business productivity

Do more, see more on budget! With high resolution, legible text size and a larger viewing area, this ultra-slim Philips 220WS8 boosts productivity with better viewing comfort - and is ready for immediate or future upgrade to Windows Vista.

## Designed for maximum productivity

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

## Best total cost of ownership solution

- Empowered for Windows Vista
- Complies with RoHS standards to care for the environment
- The lowest power consumption in the industry

## Outstanding front of screen performance

- WSXGA+, wide format 1680x1050 resolution for sharper display
- 5ms fast response time
- DVI-D input and HDCP support

## Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Embedded power supply eliminates external power adaptors
- Adjust display settings with hot key or on-screen controls

**PHILIPS**

# Highlights

## Widescreen

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

## Large viewing area

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

## 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.

## Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

## Lowest power consumption

Lower power consumption reduces the energy required to operate a device, saving its owner operating costs and conserving power.

## 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.

## 5ms on/off response time

On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artifacts in the display of transition of texts and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

## 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.

## 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.

## User friendly hot key and OSD

The user friendly hot key and on-screen display controls are dual systems for conveniently fine-tuning display settings to meet a variety of needs. Press the hot key on your monitor's frame for automatic picture, quick contrast and brightness control or use the on-screen display feature to fine-tune your display settings.



# 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
- 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 - 93 kHz
- Vertical Scanning Frequency: 56 - 76 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 25°
- VESA Mount: 100 x 100 mm

## Accessories

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

## Dimensions

- Box dimensions (W x H x D): 565 x 174 x 472 mm
- Box dimensions in inch (W x H x D): 22.2 x 6.9 x 18.6 inch
- Set dimensions (W x H x D): 513.76 x 336.10 x 67.34 mm
- Set dimensions in inch (W x H x D): 20.2 x 13.2 x 2.7 inch
- Set dimensions with stand (W x H x D): 513.76 x 416.2 x 213.59 mm
- Set dimensions with stand in inch (W x H x D): 20.2 x 16.4 x 8.4 inch
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 5°C to 35°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 5.6 kg
- Product weight (+stand) (lb): 12.4 lb
- Weight incl. Packaging: 7.4 kg
- Weight incl. Packaging (lb): 16.3 lb

## 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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