Philips
LCD widescreen monitor

22" wide
WSXGA

220WS8FS

Vista-ready widescreen for business productivity

Do more, see more within 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, wide screen ideal for viewing two A4 pages side by side
- Display more images and content without scrolling

Outstanding front of screen performance
- 5 ms fast response time
- WSXGA+, wide format 1680 x 1050 resolution for sharper display
- DVI-D input and HDCP support

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

Best total cost of ownership solution
- Complies with RoHS standards of care for the environment
- The lowest power consumption in the industry
- Empowered for Windows Vista

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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 organising 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 1680 x 1050

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.

5 ms 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 artefacts 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 unauthorised 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

VGA connector   DVI connector

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

Embedded power supply

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

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.

HDMI x3   5ms   HDCP ready   VGA dvi DualInput   Built-in POWERSUPPLY   TCO'03 DISPLAYS   Lead Free   sRGB

Specifications

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

Picture/Display
- Panel Size: 22"/55.9 cm
- Aspect ratio: 16:10
- LCD panel type: 1680 x 1050 pixels, Anti-glare polariser, RGB vertical stripe
- Pixel pitch: 0.282 x 0.282 mm
- Optimum resolution: 1680 x 1050 @ 60 Hz
- Brightness: 300 cd/m²
- Display colours: 16.7 M
- Contrast ratio (typical): 1000:1
- Response time (typical): 5 ms
- Viewing angle: 160° (H)/160° (V), @ C/R > 10
- Horizontal Scanning Frequency: 30 - 93 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Maximum Resolution: 1680 x 1050 @ 60 Hz
- Effective viewing area: 474 x 296 mm
- sRGB
- Video Dot Rate: 205 MHz
- White Chromaticity, 6500K: x = 0.313/y = 0.329
- White Chromaticity, 9300K: x = 0.283/y = 0.297

Convenience
- Plug and Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- User convenience: On-screen Display
- Monitor Controls: Auto, Brightness (Left), Contrast (Right), Menu, Power On/Off
- Regulatory approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- OSD Languages: English, French, German, Italian, Russian, Spanish
- Other convenience: Kensington lock compatible

- Tilt: -5° to 25°
- VESA Mount: 100 x 100 mm

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

Dimensions
- Box depth: 472 mm
- Set width (with stand): 513.76 mm
- Box height: 174 mm
- Set width (with stand) (inch): 20.2 inch
- Box width: 565 mm
- Set height (with stand): 416.2 mm
- Set height (with stand) (inch): 16.4 inch
- Set Width: 513.76 mm
- Set depth (with stand): 213.59 mm
- Set Height: 336.10 mm
- Set Depth: 67.34 mm
- Set depth (with stand) (inch): 8.4 inch
- Set Width (inch): 20.2 inch
- Temperature range (operation): 5°C to 35°C
- Set Height (inch): 13.2 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.7 inch
- Box depth (inch): 18.6 inch
- Box height (inch): 6.9 inch
- Box width (inch): 22.2 inch
- 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
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs

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