



Philips
LCD widescreen monitor

22" wide
WSXGA+

220CW8FB



The first ever SmartAccessory monitor

With the first ever SmartAccessory to personalise 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.

Outstanding front of screen performance

- Big, wide screen: IM, write mail, watch videos on one screen
- SmartImage: For an optimised display experience
- SmartContrast: Dynamic, optimised contrast for visual clarity
- Optimise response time for different viewing requirements
- DVI-D input and HDCP support
- PerfectTune ensures top-quality LCD display delivered to you
- Empowered for Windows Vista

Great convenience

- SmartAccessory to personalise and organise your workspace
- Hassle-free display performance tuning with SmartControl II
- USB port for convenient peripheral connections

Green design

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

PHILIPS
sense and simplicity

Specifications

Picture/Display

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

Connectivity

- **Signal Input:** Analogue (VGA), DVI-D
- **USB:** 1 x USB 2.0
- **Video Sync Input Signal:** Composite Sync, Separate Sync, Sync on Green

Convenience

- **Convenience Enhancements:** On-screen Display, SmartControl II
- **Monitor Controls:** SmartImage, Auto (Back), Input (Down), Brightness (Up), Menu (OK), Power On/Off
- **OSD Languages:** English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- **Other convenience:** Kensington lock compatible
- **Plug & Play Compatibility:** DDC/CI, sRGB,

Windows 98/ME/2000/XP/Vista

- **Regulatory Approvals:** CE Mark, EMC, Energy Star, FCC-B, UL, CSA, TCO '06
- **Tilt:** -5° to 20°

Accessories

- **Included Accessories:** AC Power Lead, VGA cable
- User Manual

Dimensions

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

Electricity

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

Product 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

SmartImage is an exclusive leading-edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time and at the press of a single button.

SmartContrast

SmartContrast is 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 optimum contrast for better entertainment when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

SmartResponse

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

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 colour accuracy and display quality in every new monitor.

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 organised. 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, colour 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

The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Since it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. A port located on a monitor directly in the user's line of sight provides easy, high-speed connectivity for USB devices at a convenient location. (USB 2.0 support is dependent on your PC's USB configuration; when connected to a PC that supports USB 2.0, your monitor is USB 2.0 compatible)



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