HDMI for High Definition Video

Experience high definition media fun! With an HDMI and SPDIF for your high quality digital audio and video enjoyment, this big widescreen 220XW8 delivers outstanding performance and great convenience features.

Leading interface for digital quality audio/video
• HDMI-ready for top quality, single cable video and audio
• Reliable audio via a SPDIF coaxial connector

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
• ActiveBright for high brightness and razor sharp colours

Great convenience
• SmartAccessory to personalise and organise your workspace
• Hassle-free display performance tuning with SmartControl II
• USB port for convenient peripheral connections
• Enjoy multimedia experience with built-in speakers
• Play music from external audio devices even if the PC is off

design award china
2007

product design award
2008

PHILIPS

sense **and** simplicity

Highlights

HDMI ready

A HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers.
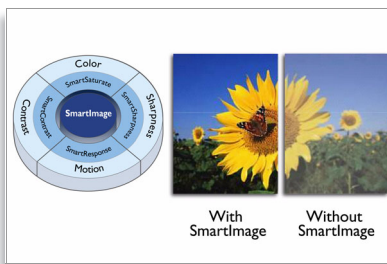
Coaxial Digital Audio SPDIF

An SPDIF coaxial cable is a highly reliable way of connecting digital audio.
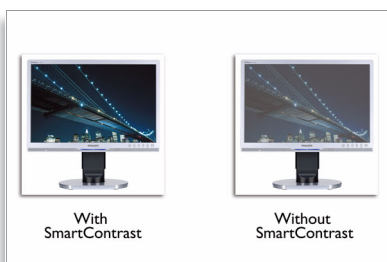
Widescreen design

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 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

With SmartContrast / Without 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.

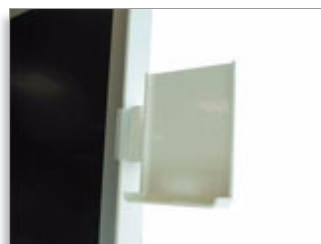## SmartResponse

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 colour saturation for viewing photos and static images.

ActiveBright

The ActiveBright delivers high-definition-TV-like quality by displaying brilliant, razor sharp colours and a wide viewing angle for the very best in multimedia entertainment.
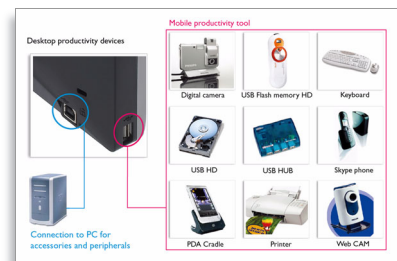
SmartAccessory

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)

Built-in speakers

Audio speakers built into a display device.

Stand-alone audio function

Built-in advanced firmware that delivers audio output from external audio devices including a portable tape, CD or MP3 player even when there is no video input.

Specifications

Picture/Display

- LCD panel type: RGB vertical stripe, 1680 x 1050 pixels
- Screen enhancement: Glare type screen, Hard Coated
- 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): 3000:1
- Display colours: 16.7 M
- Viewing angle: 170° (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)
- Optimum Resolution: 1680 x 1050 @ 60Hz (digital input)
- Video Dot Rate: 205 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Picture enhancement: SmartImage
- sRGB

Connectivity

- Signal Input: VGA (Analogue), DVI-D, PC Audio in, HDMI
- USB: USB 2.0 x 1
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green
- Other connections: S/PDIF out (coaxial), Headphone out

Convenience

- Built-in Audio: 1 W RMS x 2 Stereo Speakers
- User convenience: On-screen Display, SmartControl II
- Monitor Controls: Menu (OK), Power On/Off, Brightness (Up), Auto (Back), SmartImage, Input (Down), Volume control
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Spanish, Simplified Chinese
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Regulatory Approvals: CE Mark, Energy Star, FCC-B, UL, CSA, EMC
- Tilt: -5° to 20°

Accessories

- Included Accessories: AC Power Lead, VGA cable, Audio 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 368 x 64 mm
- Set dimensions in inch (W x H x D):
  20.4 x 14.5 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 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 5.5 kg
- Product weight (+stand) (lb): 12.1 lb
- Weight incl. Packaging: 7.29 kg
- Weight incl. Packaging (lb): 16.1

Power

- Complies with: Energy Star
- Consumption (On mode): < 45 W (typical)
- Consumption (economy mode): 34 W
- Consumption (Off Mode): < 1 W
- Power LED indicator: Standby/sleep - Amber, Operation - green
- Power supply: Built-in, 100-240 VAC, 50/60 Hz