



Philips Brilliance
LCD widescreen monitor

19" wide

WSXGA+

Brilliance

190BW9CB

High resolution ergonomic widescreen for business

Better wide screen business display: 1680 × 1050 high resolution Philips Brilliance 190BW9 delivering the best-ever LCD picture quality, compact ergonomic base, built-in sound, Vista-ready, Eco-friendly design to get your job done.

Designed for maximum productivity

- TrueVision: Laboratory quality display performance
- Empowered for Windows Vista

Outstanding front of screen performance

- SmartImage: Optimised user-friendly display experience
- SmartContrast: For incredible rich black details
- 1680 × 1050 display for increased productivity

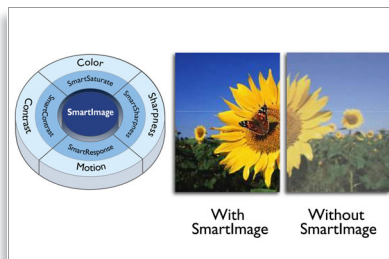
Great convenience

- Dual input accepts both analogue VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Auto picture format control switching in wide and 4:3 format
- Tilt, swivel and height-adjust for an ideal viewing position
- USB port for convenient peripheral connections
- Built in stereo audio for multimedia experience

PHILIPS
sense and simplicity

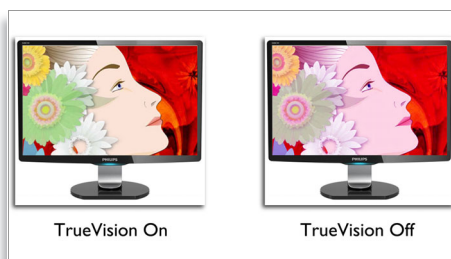
Highlights

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.

TrueVision



TrueVision is an industry leading, proprietary Philips testing and algorithm technology for the adjustment and fine-tuning of monitors, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements, for each 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.

WSXGA, wide format 1680 x 1050

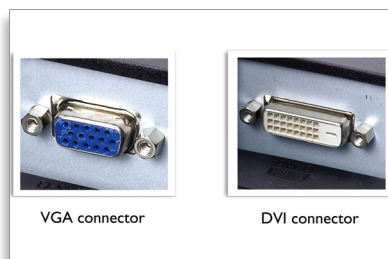
Wide format, super extended graphics array is a display specification that is capable of displaying 1680 x 1050 resolution or approximately 1.7 million pixels.

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.

Dual input



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

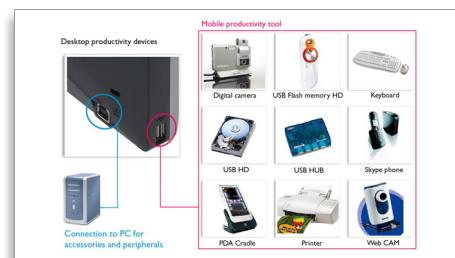
SmartControl II

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 and phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

Compact Ergo Base

The Compact Ergo Base is a 'people-friendly' Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

USB 2.0 port



The USB port allows the user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices that use USB connection. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass through to the computer. Note that many devices like cameras and HDD may need to be powered on independently, as they have higher power requirements than the monitor USB port can provide.

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.

Built-in stereo audio

A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.



Specifications

Picture/Display

- LCD panel type: TFT-LCD
- Panel Size: 19 inch/48.26 cm
- Aspect ratio: 16:10
- Pixel pitch: 0.243 x 0.243 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 10000:1
- Response time (typical): 5 ms
- Optimum Resolution: 1680 x 1050 @ 60 Hz
- Viewing Angle (H / V): 178 / 170 degree
- Viewing angle: @ C/R > 5
- Picture enhancement: SmartImage
- Display colours: 16.7 M
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- sRGB

Connectivity

- Signal Input: VGA (Analogue), DVI-D, PC Audio in
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green
- Audio output: Stereo Audio (3.5 mm jack) 1 x

Convenience

- Built-in Audio: 1 W x 2
- User convenience: SmartControl II, SmartManage enabled, Picture format selection, On-screen Display
- Monitor Controls: Auto (Back), Brightness (Up), Menu (OK), Power On/Off, SmartImage, Volume control (Down)
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista

- Regulatory Approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Height Adjustment: 70 mm
- Swivel: +/- 45°
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm
- Other convenience: Kensington lock compatible

Power

- Consumption (On mode): < 36 W (typical)
- Consumption (economy mode): 27 W
- Consumption (Off Mode): < 0.8 W
- Power LED indicator: Operation - Blue, Standby/ sleep-blue (flashing)
- Power supply: Built-in, 100-240 VAC, 50/60 Hz
- Complies with: Energy Star

Dimensions

- Set dimensions with stand (W x H x D): 436 x 421 x 201 mm
- Set dimensions with stand in inch (W x H x D): 17.2 x 16.6 x 7.91 inch
- Set dimensions (W x H x D): 436 x 305 x 68 mm
- Set dimensions in inch (W x H x D): 17.2 x 12.0 x 2.68 inch
- Box dimensions (W x H x D): 508 x 485 x 172 mm
- Box dimensions in inch (W x H x D): 20.0 x 19.1 x 6.77 inch
- Product weight (+stand): 4.45 kg
- Product weight (+stand) (lb): 9.81 lb
- Weight incl. Packaging: 6.1 kg
- Weight incl. Packaging (lb): 13.4
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Relative humidity: 20% - 80%
- MTBF: 50,000 (excl. CCFL 40,000) hrs



Issue date 2009-10-07

Version: 2.0.4

12 NC: 8670 000 52712
EAN: 87 12581 48385 2

© 2009 Koninklijke Philips Electronics N.V.
All Rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips
Electronics N.V. or their respective owners.

www.philips.com