



Philips Brilliance  
LCD monitor

19"

SXGA

**Brilliance**

190S9FS



## Feature packed display for increased productivity

With SmartImage, SmartContrast and SmartControl to boost your work output plus TrueVision for the best-ever LCD display, the TCO'03 certified, Vista-ready Philips Brilliance 190S9 is ready to get the job done.

### Best total cost of ownership solution

- TrueVision ensures top quality LCD display delivered to you
- DVI-D input and HDCP support
- TCO'03 guarantees the highest safety and ergonomic standards
- Empowered for Windows Vista

### Outstanding front of screen performance

- SmartImage: For an optimized display experience
- SmartContrast: Dynamic, optimised contrast for visual clarity

### Eco-friendly design

- Green design conserves resources and reduces operating costs

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Screen tilts to your ideal, individualized viewing angle
- Hassle-free display performance tuning with SmartControl II
- Cable management for a tidy work space

**PHILIPS**  
sense and simplicity

## Specifications

### Picture/Display

- LCD panel type: TFT-LCD
- Panel Size: 19"/48 cm
- Pixel pitch: 0.294 x 0.294 mm
- SmartContrast ratio (dynamic): 8000:1
- Brightness: 300 cd/m<sup>2</sup>
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Contrast ratio (typical): 800:1
- Picture enhancement: SmartImage
- Response time (typical): 5 ms
- Optimum Resolution: 1280 x 1024 @ 60 Hz
- Display colors: 16.7 M
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- sRGB

### Connectivity

- Signal Input: VGA (Analog), DVI-D
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green

### Convenience

- User convenience: SmartControl II, SmartManage enabled, On-screen Display
- Monitor Controls: Auto (Back), Brightness (Up), Input (Down), Menu (OK), Power On/Off, SmartImage
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Regulatory Approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98, Windows 2000, Windows XP,

Windows Vista, Mac OS X

- Other convenience: Kensington lock compatible
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

### Power

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

### Dimensions

- Set dimensions with stand (W x H x D): 404 x 418 x 186 mm
- Set dimensions with stand in inch (W x H x D): 15.9 x 16.5 x 7.32 inch
- Set dimensions (W x H x D): 404 x 350 x 68 mm
- Set dimensions in inch (W x H x D): 15.9 x 13.8 x 2.68 inch
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Box dimensions (W x H x D): 451 x 465 x 151 mm
- Box dimensions in inch (W x H x D): 17.8 x 18.3 x 5.94 inch
- Product weight (+stand): 3.85 kg
- Product weight (+stand) (lb): 8.49 lb
- Weight incl. Packaging: 5.24 kg
- Weight incl. Packaging (lb): 11.6 lb
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C

## Product highlights

### SmartImage

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

### TrueVision

TrueVision 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 color accuracy and display quality in every new monitor.

### SmartContrast

SmartContrast is Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for more entertainment fun 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 analog VGA and digital DVI signals.

### Eco-friendly design

Green design is based on environmentally conscious engineering of a display device to minimize power consumption, reduce packing materials and eliminate environmentally sensitive materials.

### 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.

### SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

### Cable management

Cable management is a system that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

### 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.



Issue date 2009-02-19

Version: 3.0.4

12 NC: 8670 000 48022  
EAN: 87 12581 45320 6

© 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](http://www.philips.com)