



Philips Brilliance  
LCD monitor

48 cm (19")  
SXGA

190B9CB

## Ergonomic business display for better productivity

Better business display: Delivering the best-ever LCD picture quality, compact ergo base for better viewing position, built-in sound, Vista-ready, Eco-friendly design, Philips Brilliance 190B9 is ready to get the job done.

### **Eco-friendly design**

- Green design conserves resources and reduces operating costs

### **Outstanding front of screen performance**

- SmartContrast: For incredible rich black details
- SmartImage: Optimized user-friendly display experience

### **Great convenience**

- Dual input accepts both analog VGA and digital DVI signals
- Tilt, swivel and height-adjust for an ideal viewing position
- Hassle-free display performance tuning with SmartControl II
- USB port for convenient peripheral connections
- Built in stereo audio for multimedia experience

### **Best total cost of ownership solution**

- TrueVision: Laboratory quality display performance
- Zero Bright Dot™ eliminates LCD bright dot defects
- Empowered for Windows Vista

# PHILIPS

# Highlights

## 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.

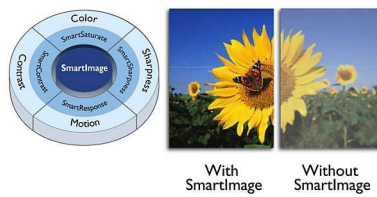
## Zero Bright Dot™

Bright dots are defects in a LCD panel once thought to be an inevitable part of the manufacturing process. With Zero Bright Dot™, Philips monitors are guaranteed without bright dot defects.

## 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.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Image, Entertainment, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## SmartContrast



SmartContrast is a 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 videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

## Eco-friendly design

Eco-friendly design is based on environmentally conscious engineering of a display device to minimize power consumption, reduce packing materials and eliminate hazardous materials. Being at the

forefront of sustainability and with our longstanding commitment to reduce the environmental impact of our products, we enable consumers to make simple, responsible choices about the products they buy and the impact they have before, during and at the end of their life cycle.

## Built-in stereo audio

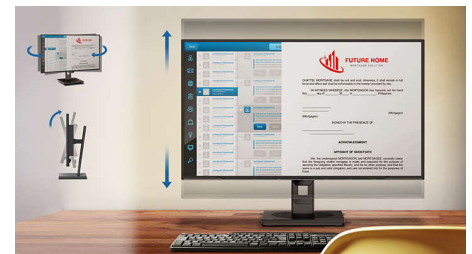
A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

## USB 2.0 port



USB port allows 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 which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru 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

## 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.



# Specifications

## Connectivity

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

## Picture/Display

- Panel Size: 19"/ 48 cm
- LCD panel type: 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe
- Pixel pitch: 0.294 x 0.294 mm
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Brightness: 300 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 8000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Maximum Resolution: 1280 x 1024 @ 75 Hz
- Effective viewing area: 376.3 x 301.1 mm
- sRGB

## Convenience

- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista, Mac OS X
- Built-in Audio: 1W x 2
- User convenience: On-screen Display, SmartManage enabled, SmartControl II
- Monitor Controls: SmartImage, Auto (Back), Volume control (Down), Brightness (Up), Menu (OK), 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, Portuguese, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible

- Swivel: +/- 45°
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

## Power

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

## Dimensions

- Box depth: 162 mm
- Set width (with stand): 404 mm
- Box height: 486 mm
- Set width (with stand) (inch): 15.9 inch
- Box width: 451 mm
- Set height (with stand): 442 mm
- Set height (with stand) (inch): 17.4 inch
- Set Width: 404 mm
- Height adjustment range: 70 mm
- Set depth (with stand): 201 mm
- Set Height: 350 mm
- Set Depth: 68 mm
- Set depth (with stand) (inch): 7.91 inch
- Set Width (inch): 15.9 inch
- Temperature range (operation): 0°C to 40°C
- Set Height (inch): 13.8 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.68 inch
- Box depth (inch): 6.38 inch
- Box height (inch): 19.1 inch
- Box width (inch): 17.8 inch
- Product weight (+stand): 4.55 kg
- Product weight (+stand) (lb): 10.0 lb
- Weight incl. Packaging: 5.95 kg
- Weight incl. Packaging (lb): 13.1
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Height adjustment range (inch): 2.76 inch

