



Philips  
LCD monitor

48 cm (19")  
SXGA

190B8CB

## High-productivity display, great convenience

With a full range of handy features that boost productivity, the easy-to-operate Philips 190B8 delivers outstanding convenience for mainstream business applications at an attractive total cost of ownership.

### **Maximum comfort for maximum productivity**

- Tilt, swivel and height-adjust for an ideal viewing position

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

- 5ms fast response time
- SmartContrast: For incredible rich black details
- SmartImage: Optimized user-friendly display experience

### **Great convenience**

- Dual input accepts both analog VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Built-in speakers for audio without desktop clutter

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

- Zero Bright Dot™ eliminates LCD bright dot defects
- SmartManage compatibility enables LAN-based asset management
- PerfecTune ensures top quality LCD display delivered to you
- Empowered for Windows Vista

# PHILIPS

# Highlights

## SmartManage enabled

SmartManage is a system for monitoring, managing and checking status of display devices as well as delivering remote support to users who experience difficulties - all accomplished over a LAN.

## 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 color accuracy and display quality in every new monitor.

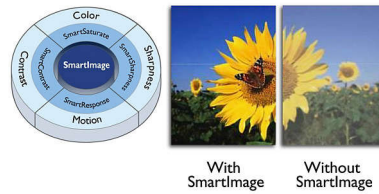
## Zero Bright Dot™

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



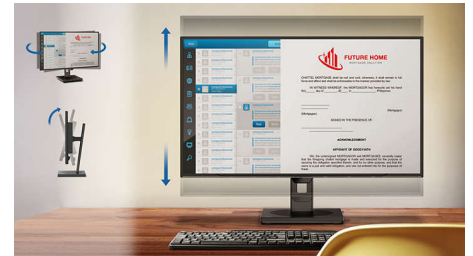
SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

## 5ms on/off response time

On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster transitions and, therefore, results in fewer

visible image artifacts in the display of transition of texts and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

## 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.

## Dual input



Dual input provides connectors to accommodate input of both analog 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, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

## Built-in speakers

A pair of 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.



# 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
- Sync input impedance: 2.2k ohm
- Video input impedance: 75 ohm
- Video input signal levels: 0.7 Vpp

## Picture/Display

- Panel Size: 19"/ 48cm
- 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): 3000:1
- 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
- Video Dot Rate: 140 MHz
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297

## Convenience

- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Built-in Audio: 1.5W RMS x 2 stereo speakers
- User convenience: On-screen Display, SmartManage enabled, SmartControl II
- Monitor Controls: SmartImage, Volume control, Auto (Back), Power On/Off, Input (Down), Brightness (Up), Menu (OK)
- Regulatory approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA, SEMKO, TCO '03, TÜV/GS, TÜV Ergo
- OSD Languages: English, French, German, Italian, Russian, Portuguese, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Swivel: +/- 60°

- Tilt: -5° to 25°
- VESA Mount: 100 x 100 mm

## Power

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): < 36 W
- Power LED indicator: Operation - green, Stand by/ sleep - Amber
- Complies with: Energy Star
- Consumption (Off Mode): < 1 W
- Consumption (economy mode): 28 W

## Dimensions

- Box depth: 198 mm
- Set width (with stand): 422 mm
- Box height: 507 mm
- Set width (with stand) (inch): 16.6 inch
- Box width: 503 mm
- Set height (with stand): 411.2 mm
- Set height (with stand) (inch): 16.2 inch
- Set Width: 422 mm
- Height adjustment range: 60 mm
- Set depth (with stand): 198.8 mm
- Set Height: 374.2 mm
- Set Depth: 68.7 mm
- Set depth (with stand) (inch): 7.8 inch
- Set Width (inch): 16.6 inch
- Temperature range (operation): 0°C to 40°C
- Set Height (inch): 14.7 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.7 inch
- Box depth (inch): 7.8 inch
- Box height (inch): 20 inch
- Box width (inch): 19.8 inch
- Product weight (+stand): 5.86 kg
- Product weight (+stand) (lb): 12.9 lb
- Weight incl. Packaging: 6.77 kg
- Weight incl. Packaging (lb): 14.9
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Height adjustment range (inch): 2.4 inch

## Accessories

- Included accessories: AC Power Cord, Audio Cable, VGA cable
- User Manual
- Optional accessories: Super Ergo Base



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