Philips Brilliance
LCD monitor

48 cm (19")
SXGA

Brilliance

190B9CS

Ergonomic business display for better productivity

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

Best total cost of ownership solution
• TrueVision: Laboratory quality display performance
• Zero Bright Dot™ eliminates LCD bright dot defects
• Empowered for Windows Vista

Outstanding front of screen performance
• SmartImage: Optimised user-friendly display experience
• SmartContrast: For incredible rich black details

Eco-friendly design
• The green design conserves resources and reduces operating costs

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

PHILIPS

Highlights

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.

Zero Bright Dot™

Bright dots are defects in an LCD panel once thought to be an inevitable part of the manufacturing process. With Zero Bright Dot™, Philips monitors are guaranteed to be 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 organising information for work or play quick, efficient and easy.

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and gives you optimised 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 optimises the contrast, colour 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 analyses the contents you are displaying, automatically adjusting colours 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 minimise 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. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

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.

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.

TrueVision   USB Connectivity   SmartImage   SmartContrast   Built-in Speaker   SmartErgo Base   HDCP ready

Specifications

Picture/Display
- LCD panel type: 1280 x 1024 pixels, Anti-glare polariser, RGB vertical stripe
- Panel Size: 19"/48 cm
- Effective viewing area: 376.3 x 301.1 mm
- Pixel pitch: 0.294 x 0.294 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 8000:1
- Display colours: 16.7 M
- Viewing angle: 176° (H)/170° (V), @ C/R > 5
- Response time (typical): 5 ms
- Maximum Resolution: 1280 x 1024 @ 75 Hz
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 -75 Hz
- Picture enhancement: SmartImage
- sRGB

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

Convenience
- Built-in Audio: 1 W 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
- OSD Languages: English, French, German, Italian, Russian, Portuguese, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Plug and Play Compatibility: DDC/CI, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista, Mac OS X
- Regulatory approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Swivel: +/- 45°
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

Dimensions
- Box dimensions (W x H x D): 451 x 486 x 162 mm
- Box dimensions in inch (W x H x D): 17.8 x 19.1 x 6.38 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
- Set dimensions with stand (W x H x D): 404 x 442 x 201 mm
- Set dimensions with stand in inch (W x H x D): 15.9 x 17.4 x 7.91 inch
- Height adjustment range: 70 mm
- Height adjustment range (inch): 2.76 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): 4.55 kg
- Product weight (+stand) (lb): 10.0 lb
- Weight incl. Packaging: 5.95 kg
- Weight incl. Packaging (lb): 13.1

Power
- Complies with: Energy Star
- 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

www.philips.com