



Philips Brilliance  
LCD monitor

19"  
SXGA

**Brilliance**

**I90B9CB**



## 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 I90B9 is ready to get the job done.

### Best total cost of ownership solution

- TrueVision ensures top quality LCD display delivered to you
- Zero Bright Dot™ eliminates LCD bright dot defects
- Empowered for Windows Vista

### Outstanding front of screen performance

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

### Eco-friendly design

- Green design conserves resources and reduces operating costs

### Great convenience

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

**PHILIPS**  
sense and simplicity

## Specifications

### Picture/Display

- **LCD panel type:** 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe
- **Panel Size:** 19"/ 48 cm
- **Effective viewing area:** 14.8 x 11.9 inch
- **Pixel pitch:** 0.294 x 0.294 mm
- **Brightness:** 300 cd/m<sup>2</sup>
- **Contrast ratio (typical):** 800:1
- **SmartContrast ratio (dynamic):** 8000:1
- **Display colors:** 16.7 M
- **Viewing angle:** 176° (H) / 170° (V), @ C/R > 5
- **Response time (typical):** 5 ms
- **Maximum Resolution:** 1280 x 1024 @ 75 Hz
- **Recommended 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:** Analog (VGA), DVI-D, PC Audio in
- **Audio output:** Stereo Audio (3.5 mm jack) 1x
- **USB:** 1 x USB 2.0
- **Video Sync Input Signal:** Composite Sync, Separate Sync, Sync on Green

### Convenience

- **Built-in Audio:** 1W x 2
- **Convenience Enhancements:** 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 & 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:** < 36 W (typical)
- **Consumption (economy mode):** 27 W
- **Off Mode:** < 0.8 W
- **Power LED indicator:** Operation - Blue, Stand by/ sleep - blue (blinking)
- **Power supply:** Built-in, 100-240VAC, 50/60Hz

## Product 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. 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.

### 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.

### 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.

### Built-in stereo audio

A pair of high quality stereo audio built into a display device.

### USB 2.0 port

The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Because it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. A port located on a monitor directly in the user's line of sight provides easy, high-speed connectivity for USB devices at a convenient location. (USB 2.0 support is dependent on your PC's USB configuration; when connected to a PC that supports USB 2.0, your monitor is USB 2.0 compatible)

### Dual input

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



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