



Philips  
LCD monitor

48 cm (19")  
SXGA

190B6CB

## big display for demanding users

Demanding users like you get more done with the 190B6's outstanding big-screen performance backed by the exclusive Philips Perfect Panel warranty, productivity-enhancing remote LAN-based asset management and lead-free design.

### Maximum comfort for maximum productivity

- Designed for 'just-right' height and angle adjustment
- Built-in speakers for audio without desktop clutter
- Stand-alone audio for efficient net conferencing

### Lower total cost of ownership

- SmartManage compatibility enables LAN-based asset management

### Outstanding front of screen performance

- Fast 8ms On/off response time: Great text & graphics display
- SXGA 1280 x 1024 resolution for sharper display
- Dual input accepts both analog VGA and digital DVI signals
- ISO 13406-2 Class I compliant dot-defect-free display

### Great convenience

- USB port for convenient peripheral connections
- Embedded power supply eliminates external power adaptors

# PHILIPS

# Highlights

## PerfectPanel™

Bright dots and dark dots are defects in a LCD panel. While some manufacturers still consider bright and dark defects in a LCD panel an inevitable part of the manufacturing process, Philips doesn't. Philips monitors, compliant with ISO 13406-2 Class I standard, are produced with zero tolerance for LCD panel defects and backed by Philips PerfectPanel™ globally valid warranty providing repair or replacement of any LCD monitors that display even a single defective bright or dark dot.

## 8ms response time (On/Off)

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

## SXGA, 1280 x 1024 resolution

For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1280-by-1024 pixel screen is capable of displaying 1280 distinct dots on each of 1024 lines, or about 1.3 million pixels.

## Dual input



VGA connector



DVI connector

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

## 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.

## Stand-Alone audio function

Built-in advanced firmware that delivers audio output even if there is no video input.

## Ergonomics design

Ergonomic design makes Philips monitors 'people friendly' with tilt, swivel and height adjustment so each user can position the monitor for maximum viewing comfort and efficiency.

## 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.

## 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

## Embedded power supply

An embedded power supply is a power adaptor built into the body of a display device that replaces a bulky external power adaptor.



# Specifications

## Connectivity

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

## 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 (nits): 250 nit
- Display colors: 16.2 M
- Contrast ratio (typical): 600:1
- Response time (typical): 8 ms
- Viewing angle: @ C/R &gt; 5
- Viewing angle (horizontal): 160 degree
- Viewing angle (vertical): 160 degree
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- Maximum Resolution: 1280 x 1024 @ 75 Hz
- Effective viewing area: 376.3 x 301.1 mm
- Factory Preset Modes: 15 modes
- sRGB
- User definable modes: 50 modes
- 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
- Built-in Audio: 2W RMS x 2 stereo speakers
- User convenience: On-screen Display, SmartManage enabled

- Monitor Controls: Auto, Brightness Control, Left/Right, Menu (OK), Power On/Off, Up/Down, Volume control
- Regulatory approvals: CE Mark, E2000, EMC, FCC-B, UL, CSA, Energy Star, SEMKO, TCO '99, TÜV/GS, TÜV Ergo
- OSD Languages: English, French, German, Italian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Swivel: +/- 175°
- Tilt: -5° to 30°
- VESA Mount: 100 x 100 mm

## Power

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): 40 W (Typical)
- Power LED indicator: Operation - green, Stand by/sleep - Amber
- Complies with: E2000, Energy Star, NUTEK
- Consumption (Off Mode): < 1 W

## Dimensions

- Height adjustment range: 70 mm
- Weight: 6.4 kg
- Temperature range (operation): 5°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs
- Depth (with base): 255 mm
- Height (with base): 419 mm
- Width (with base): 425 mm

## Accessories

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

