

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 guarantee, productivity-enhancing remote LAN-based asset management and lead-free design.

Outstanding front of screen performance

- Perfect Panel™ guarantees dot defect-free display
- 8-ms response time for outstanding display of moving images
- SXGA 1280 x 1024 resolution for sharper display
- Dual input accepts both analog VGA and digital DVI signals

Maximum comfort for maximum productivity

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

Lower total cost of ownership

- SmartManage provides LAN-based asset management capabilities
- Lead-free design safeguards our environment

Great convenience

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



19 inch LCD Monitor

Commercial Specifications

Picture/ Display

- LCD panel type 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe 19"V 48 cm
- Panel size 376.3 x 301.1 mm
- Effective viewing area 0.294 x 0.294 mm
- Pixel pitch 250
- Brightness (nits) 600:1
- Contrast ratio 16.2 M
- Display colors - Horizontal : 160°
- Vertical : 160°
- Viewing angle (C/R > 5) 8 ms
- Response time $x = 0.313 / y = 0.329$
- White chromaticity, 6500° K $x = 0.283 / y = 0.297$
- White chromaticity, 9300° K 1280 x 1024 @ 75Hz
- Maximum resolution 1280 x 1024 @ 60Hz
- Recommended resolution 15 modes
- Factory preset modes 50 modes
- User definable modes 140 MHz
- Video dot rate 30 - 83 KHz
- Horizontal scanning frequency 56 - 76 Hz
- Vertical scanning frequency sRGB Yes

Connectivity

- Signal input Analog (VGA), DVI-D, PC Audio in
- Audio output Stereo Audio (3.5 mm jack) x1
- USB USB 2.0 port
- Video sync input signal Composite Sync, Separate sync, Sync on green

Convenience

- Built-in audio 2W RMS x 2 stereo speakers
- Convenience enhancements On-screen display, SmartManage enabled
- Monitor controls Auto, Brightness control, Left/Right, Menu (OK), Power On/Off, Up/Down, Volume control
- OSD languages English, French, German, Italian, Simplified Chinese, Spanish
- Other convenience features Kensington lock compatible
- Plug & Play compatibility DDC/CI, sRGB, Windows 98/ME/2000/XP
- Regulatory approvals CE Mark, E2000, EMC, FCC-B, UL, CSA, Energy Star, SEMKO, TCO '03, TÜV/GS, TÜV Ergo
- Swivel +/- 175°
- Tilt -5° to 30°
- VESA mount 100 mm x 100 mm

Accessories

- Included accessories AC Power cord, Audio cable, USB cable, VGA cable, Super Ergo base, Yes
- Optional accessories
- User manual

Dimensions

- Depth (with base) 235 mm
- Height (with base) 410 mm
- Width (with base) 425 mm
- Height adjustment range 70 mm
- MTBF 50,000
- Relative humidity 20 % - 80 %
- Temperature range (operation) 5°C to 40°C
- Temperature range (storage) -20°C to 60°C
- Weight 6.4 kg

Power

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

Product Highlights

Perfect Panel™

Bright dots and dark dots are defects in a LCD panel. While some manufacturers still consider bright and dark defects in an LCD panel an inevitable part of the manufacturing process, Philips doesn't. Philips monitors are produced with zero tolerance for LCD panel defects and backed by our Perfect Panel™ guarantee providing repair or replacement of any LCD monitor that displays even a single defective bright or dark dot.

8-ms response time

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 fast-moving images.

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

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

Built-in speakers

Audio speakers built into a display device.

Stand-alone audio function

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

Ergonomic 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.

Lead-free

Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

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 USB 2.0 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.

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.

Trademarks owned by Royal Philips Electronics
2004 © Royal Philips Electronics - All rights reserved
As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.
Microsoft and Windows are registered trademarks of Microsoft Corporation.
All data subject to change without notice
Release date: March 2005, v.3
www.philips.com

