



Philips Brilliance
LCD monitor

48 cm (19")
SXGA

190P6EB

superb, big screen display for professional tasks

Professionals like you get more done with the 190P6: Digital LightFrame™ and the Perfect Panel warranty for superb, big-screen performance, productivity-enhancing remote asset management, advanced ergonomics and lead-free design.

Maximum comfort for maximum productivity

- 90 degree screen rotation and smart cable management
- Built-in high-speed USB 2.0 solution for easy connections
- Built-in speakers for audio without desktop clutter
- Stand-alone audio for efficient net conferencing
- Brightness automatically adjusts to ambient light

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
- LightFrame™ DR maximizes your on-screen experience

Best total cost of ownership solution

- SmartManage compatibility enables LAN-based asset management

PHILIPS

Highlights

LightFrame™ DR

LightFrame™ Digital Reality is an integrated software and hardware solution for Philips high-end monitors that delivers high quality visual display enhancements to users through quick and convenient hardware or software interfaces.

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.

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.

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.

Dual input



VGA connector



DVI connector

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

Super Ergo Base

The Super Ergo base is a monitor base that delivers ergonomic display comfort and provides intelligent cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; intelligent cable management reduces cable clutter and keeps the workspace neat and professional.

USB connectivity solution

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.

By placing a USB 2.0 solution in a monitor, Philips provides a conveniently located, easy-to-use, high-speed USB connection for reading, writing, loading and transferring programs, data, digital media or music files to, from or among your PC and one or more USB devices.

SmartBright

SmartBright is an exclusive Philips feature that employs a built-in sensor to automatically adjust display settings, delivering the very best viewing experience, reduced energy consumption and prolonged monitor life while eliminating bright-screen-dark-room and dark-screen-bright-room eyestrain fatigue - all without the bother of manually adjusting display brightness as room lighting conditions change.

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.

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.



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"/ 48 cm
- 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 @ 60Hz
- Brightness (nits): 250 nit
- Display colors: 16.2 M
- Contrast ratio (typical): 600:1
- Response time (typical): 8 ms
- Viewing angle: @ C/R > 5
- Viewing angle (horizontal): 160 degree
- Viewing angle (vertical): 160 degree
- Picture enhancement: LightFrame™ Digital Reality
- Horizontal Scanning Frequency: 30 - 83 kHz
- Maximum Resolution: 1280 x 1024 @ 75Hz
- Effective viewing area: 376.3 x 301.1 mm
- Factory Preset Modes: 15 modes
- Refresh Rate (V): 56 - 76 Hz
- 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: 2 W RMS x 2 Stereo Speakers
- User convenience: On-screen Display,

- SmartManage enabled
- Monitor Controls: Auto, Brightness Control, Left/Right, LightFrame, Menu (OK), Power On/Off, Up/Down, Volume control
- Regulatory approvals: CE Mark, E2000, EMC, Energy Star, FCC-B, UL, CSA, SEMKO, TCO '99, TÜV/GS, TÜV Ergo
- OSD Languages: English, French, German, Italian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible
- Swivel: +/- 65°
- Tilt: -5° to 25°
- VESA Mount: 100 x 100 mm

Power

- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): 52.5W (Typical)
- Power LED indicator: Operation - Blue, Stand by/sleep - Amber
- Complies with: E2000, Energy Star, NUTEK
- Consumption (Off Mode): < 1 W

Dimensions

- Height adjustment range: 130 mm
- Weight: 7.3 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): 210 mm
- Height (with base): 432 mm
- Width (with base): 425 mm

Accessories

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

