



Philips  
LCD monitor

48 cm (19")  
SXGA

190S8FB



## Big screen, rich performance

Enhanced performance and convenience on a budget: With optimized display for all your most used business applications, the 190S8 features SmartManage LAN-based asset management and green design for an attractive total cost of ownership.

### Best total cost of ownership solution

- SmartManage compatibility enables LAN-based asset management
- PerfecTune ensures top quality LCD display delivered to you
- Empowered for Windows Vista
- TCO'03 guarantees the highest safety and ergonomic standards

### Outstanding front of screen performance

- SmartImage: Optimized user-friendly display experience
- SmartContrast: For incredible rich black details
- 5ms fast response time

### Maximum comfort for maximum productivity

- Screen tilts to your ideal, individualized viewing angle

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Cable management reduces cable clutter for neat workspace

**PHILIPS**

# Highlights

## 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.

## PerfectTune

PerfectTune 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.

## 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.

## TCO '03 compliance

A TCO (Swedish Confederation of Professional Employees) standard even more stringent than MPR-II for safety and

ergonomics, especially concerning alternating electric fields (AEF).

## SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized 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 optimizes the contrast, color 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 analyzes the contents you are displaying, automatically adjusting colors 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.

## 5ms on/off response time

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

## Adjustable tilt

Adjustable tilt is backward and forward movement of a screen on its base to achieve custom positioning for an ideal viewing angle and more comfort for people who spend long hours working on the computer.

## Dual input

Dual input provides connectors to accommodate input of both analog 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, color calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

## Cable management

Cable management is an intimate design that maintains tidy workspace by organizing cables and wires required for the operation of a display device.



# Specifications

## Picture/Display

- LCD panel type: 1280 x 1024 pixels, Anti-glare polarizer, 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/m<sup>2</sup>
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 3000:1
- Display colors: 16.7 M
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Response time (typical): 5 ms
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297
- Maximum Resolution: 1280 x 1024 @ 75 Hz
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Video Dot Rate: 140 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Picture enhancement: SmartImage
- sRGB

## Connectivity

- Signal Input: VGA (Analog), DVI-D
- Sync Input: Composite Sync, Separate Sync, Sync on Green
- Video input impedance: 75 ohm
- Sync input impedance: 2.2k ohm
- Video input signal levels: 0.7 Vpp

## Convenience

- User convenience: On-screen Display, SmartManage enabled, SmartControl II
- Monitor Controls: SmartImage, Input, Auto (Back), Power On/Off, Brightness Control (Up/Down), Menu (OK)
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish
- Other convenience: Kensington lock compatible, FlexiHolder
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista

- Regulatory approvals: CE Mark, EMC, FCC-B, UL, CSA, Energy Star, SEMKO, TÜV/GS, TÜV Ergo, TCO '03
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

## Accessories

- Included accessories: AC Power Cord, VGA cable
- Optional accessories: Super Ergo Base
- User Manual

## Dimensions

- Box dimensions (W x H x D): 490 x 451 x 159 mm
- Box dimensions in inch (W x H x D): 19.3 x 17.8 x 6.3 inch
- Set dimensions (W x H x D): 424 x 361 x 65.1 mm
- Set dimensions in inch (W x H x D): 16.7 x 14.2 x 2.6 inch
- Set dimensions with stand (W x H x D): 424 x 417.5 x 210.8 mm
- Set dimensions with stand in inch (W x H x D): 16.7 x 16.4 x 8.3 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): 4.8 kg
- Product weight (+stand) (lb): 10.6 lb
- Weight incl. Packaging: 6.1 kg
- Weight incl. Packaging (lb): 13.4

## Power

- Complies with: Energy Star
- Consumption (On mode): < 36 W (Typical)
- Consumption (economy mode): 28 W
- Consumption (Off Mode): < 1 W
- Power LED indicator: Operation - green, Stand by/sleep - Amber
- Power supply: Built-in, 100-240VAC, 50/60Hz



Issue date 2022-05-10

Version: 2.0.4

12 NC: 8670 000 25398  
EAN: 87 12581 30251 1

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