Move up to widescreen business productivity

Wide screen performance, small screen price tag: With the Vista-ready Philips 190SW8, you can experience the improved business productivity that a wide screen can bring - at a price you'd expect to pay for a smaller conventional model.

Designed for maximum productivity
- Display more images and content without scrolling

Outstanding front of screen performance
- 5ms fast response time
- SmartImage: Optimized user-friendly display experience
- WXGA+, wide format 1440 x 900 resolution for sharper display

Great convenience
- Dual input accepts both analog VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Embedded power supply eliminates external power adaptors
- Cable management reduces cable clutter for neat workspace

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

PHILIPS

Highlights

Large viewing area
Viewing area is the visible portion of a monitor screen available for displaying data.

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.

PerfecTune
PerfecTune 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.
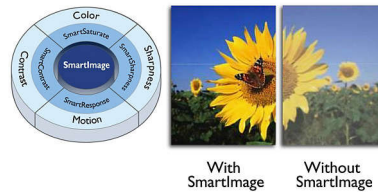
Windows Vista ready
Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organizing information for work or play quick, efficient and easy.

WXGA+ 1440 x 900 resolution
WXGA+ or Wide Extended Graphics Array plus is a standard indicating a graphics monitor's ability to display up to the resolutions 1440 by 900 pixels and supports simultaneous display of more than one million colors. WXGA allows monitors to be non-interlaced for better display performance and increased color accuracy.

SmartImage

With SmartImage   Without 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!

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.

Dual input

VGA connector   DVI connector

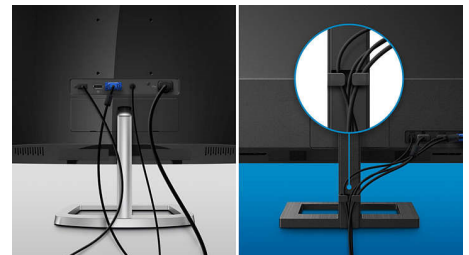Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

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.

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.

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

Connectivity

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

Picture/Display

- Panel Size: 19.1"/ 48.1 cm
- Aspect ratio: 16:10
- LCD panel type: 1440 x 900 pixels, Anti-glare polarizer, RGB vertical stripe
- Pixel pitch: 0.285 x 0.285 mm
- Optimum resolution: 1440 x 900 @ 60 Hz
- Brightness: 300 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 800:1
- SmartContrast ratio (dynamic): 3500:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 -75 Hz
- Maximum Resolution: 1440 x 900 @ 75 Hz
- Effective viewing area: 410.4 x 256.5 mm
- sRGB
- 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, Windows 98/ ME/2000/XP/Vista
- User convenience: On-screen Display, SmartManage enabled, SmartControl II
- Monitor Controls: SmartImage, Auto (Back), Input (Down), Brightness (Up), Menu (OK), Power On/ Off
- Regulatory approvals: CE Mark, E2000, EMC, Energy Star, FCC-B, UL, CSA, TCO '03, TÜV/GS, TÜV Ergo
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish

- Other convenience: Kensington lock compatible
- Tilt: -5° to 20°
- VESA Mount: 100 x 100 mm

Power

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

Dimensions

- Box depth: 149 mm
- Set width (with stand): 452.2 mm
- Box height: 415 mm
- Set width (with stand) (inch): 17.8 inch
- Box width: 500 mm
- Set height (with stand): 375.3 mm
- Set height (with stand) (inch): 14.8 inch
- Set Width: 452.2 mm
- Set depth (with stand): 183.2 mm
- Set Height: 303.5 mm
- Set Depth: 61.5 mm
- Set depth (with stand) (inch): 7.2 inch
- Set Width (inch): 17.8 inch
- Temperature range (operation): 0°C to 40°C
- Set Height (inch): 11.9 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.4 inch
- Box depth (inch): 5.9 inch
- Box height (inch): 16.3 inch
- Box width (inch): 19.7 inch
- Product weight (+stand): 4.4 kg
- Product weight (+stand) (lb): 9.7 lb
- Weight incl. Packaging: 5.3 kg
- Weight incl. Packaging (lb): 11.7
- Relative humidity: 20% - 80%
- MTBF: 50,000 (excl. CCFL 40,000) hrs

Accessories

- Included accessories: AC Power Cord, VGA cable
- User Manual