



Philips
LCD widescreen monitor

19.1" wide

WXGA+

190SW8FS



WideScreen



SmartImage™



SmartContrast



SmartManage



PerfectTune



SmartControl



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DISPLAYS
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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

Best total cost of ownership solution

- SmartManage compatibility enables LAN-based asset management
- PerfectTune ensures top-quality LCD display delivered to you
- Empowered for Windows Vista

Outstanding front of screen performance

- WXGA+, wide format 1440 x 900 resolution for sharper display
- SmartImage: For an optimised display experience
- 5 ms fast response time

Great convenience

- Hassle-free display performance tuning with SmartControl II
- Embedded power supply eliminates external power adapters
- Cable management for a tidy work space

PHILIPS

sense and simplicity

Specifications

Picture/Display

- **LCD panel type:** 1440 x 900 pixels, Anti-glare polariser, RGB vertical stripe
- **Panel Size:** 19.1"/48.1 cm
- **Effective viewing area:** 410.4 x 256.5 mm
- **Pixel pitch:** 0.285 x 0.285 mm
- **Brightness:** 300 cd/m²
- **Contrast ratio (typical):** 800:1
- **SmartContrast ratio (dynamic):** 3500:1
- **Display colours:** 16.7 M
- **Viewing angle:** 176° (H)/170° (V), @ C/R > 5
- **Response time (typical):** 5 ms
- **Maximum Resolution:** 1440 x 900 @ 75 Hz
- **Optimum Resolution:** 1440 x 900 @ 60 Hz
- **Video Dot Rate:** 140 MHz
- **Horizontal Scanning Frequency:** 30 - 83 kHz
- **Vertical Scanning Frequency:** 56 - 75 Hz
- **Picture enhancement:** SmartImage
- **sRGB**
- **Aspect ratio:** 16:10
- **White Chromaticity, 6500K:** x = 0.313/y = 0.329
- **White Chromaticity, 9300K:** x = 0.283/y = 0.297

Connectivity

- **Signal Input:** VGA (Analogue)
- **Video Sync Input Signal:** 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

Convenience

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

ME/2000/XP/Vista

- **Regulatory Approvals:** CE Mark, E2000, EMC, Energy Star, FCC-B, UL, CSA, TCO '03, TÜV/GS, TÜV Ergo
- **Tilt:** -5° to 20°
- **VESA Mount:** 100 x 100 mm

Accessories

- **Included Accessories:** AC Power Lead, VGA cable
- User manual

Dimensions

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

Power

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

Product 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 the 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 colour 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 organising 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 colours. WXGA allows monitors to be non-interlaced for better display performance and increased colour accuracy.

SmartImage

SmartImage is an exclusive leading-edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time and at the press of a single button.

5 ms 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 artefacts 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.

SmartControl II

SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, colour 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 adapter built into the body of a display device that replaces a bulky external power adapter.

Cable management

Cable management is a system that maintains tidy workspace by organising cables and wires required for the operation of a display device.



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