Stylish wide display for home computainment

Eye-pleasing, wide display: Stylish design and a host of smart features that elevate LCD viewing to new heights of picture perfect performance for every kind of content make 190CW9 your best computainment choice.

Outstanding front of screen performance

- Fast response time up to 2ms
- SmartContrast12000:1 for incredible rich black details
- SmartImage: Optimized user-friendly display experience
- TrueVision: Laboratory quality display performance
- DVI-D input and HDCP support

Green design

- Complies with TCO'06 safety and visual ergonomics standard

Designed for elegance
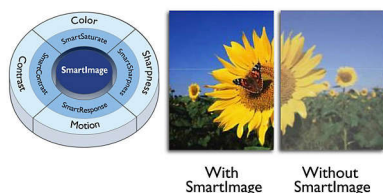
- Glossy finish to enhance your decor

Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- One-touch format switching between wide and 4:3 ratios
- Hassle-free display performance tuning with SmartControl II
- USB port for convenient peripheral connections

PHILIPS

Highlights

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!

2ms GtG response time

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> 2ms GtG response time

SmartResponse is a exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and movies which require faster response times in order to produce judder, time-lag and ghost image free images

SmartContrast ratio 12000:1

With Dynamic contrast ratio 12000

< contrast ratio 12000

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

TrueVision

TrueVision On

TrueVision Off

TrueVision 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.

Dual input

VGA connector

DVI connector

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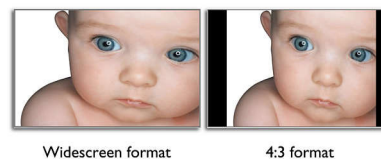
HDCP ready

High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorized duplication of copyrighted content. HDCP allows you to play protected content media such as movies and concerts. It checks the signal to prevent piracy, allowing only legal copies of content to display.

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.

Auto picture format button

Widescreen format

4:3 format

Philips auto picture format is a button that switches from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

Specifications

Connectivity
- Signal Input: VGA (Analog), DVI-D
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green

Picture/Display
- Panel Size: 19"/ 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): 1000:1
- SmartContrast ratio (dynamic): 12000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage
- SmartResponse: 2 ms (Gray to Gray)
- 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: 165 MHz

Convenience
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista
- User convenience: SmartControl II, Picture format selection, On-screen Display
- Monitor Controls: Auto (Back), Auto picture, Brightness Control, Input (Down), Menu (OK), Power On/Off, SmartImage
- Regulatory approvals: CE Mark, Energy Star, FCC Class B, SEMKO, UL/cUL, TCO '06
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Other convenience: Kensington lock compatible
- Tilt: -5° to 20°

Power
- Power supply: Built-in, 100-240VAC, 50/60Hz
- Consumption (On mode): < 36W (typical)
- Power LED indicator: Operation - Blue, Stand by/ sleep -blue(blinking)
- Complies with: Energy Star
- Consumption (Off Mode): < 0.8 W
- Consumption (economy mode): 28 W

Dimensions
- Box depth: 142 mm
- Set width (with stand): 443 mm
- Box height: 423 mm
- Set width (with stand) (inch): 17.4 inch
- Box width: 495 mm
- Set height (with stand): 368 mm
- Set height (with stand) (inch): 14.5 inch
- Set Width: 443 mm
- Set depth (with stand): 170 mm
- Set Height: 299 mm
- Set Depth: 65 mm
- Set depth (with stand) (inch): 6.69 inch
- Set Width (inch): 17.4 inch
- Temperature range (operation): 0°C to 40°C
- Set Height (inch): 11.8 inch
- Temperature range (storage): -20°C to 60°C
- Set Depth (inch): 2.57 inch
- Box depth (inch): 5.59 inch
- Box height (inch): 16.7 inch
- Box width (inch): 19.5 inch
- Product weight (+stand): 4 kg
- Product weight (+stand) (lb): 8.82 lb
- Weight incl. Packaging: 5.5 kg
- Weight incl. Packaging (lb): 12.1
- Relative humidity: 20% - 80%
- MTBF: 50,000 hrs