



Philips  
LCD widescreen monitor

48 cm (19") w V-line  
Format 16:10

190V1SB

## Widescreen display offers good value

With features like DVI and VGA inputs, SmartContrast and Energy efficiency, the 190V1 offers good value.

### Good picture quality

- WXGA+, wide format 1440 x 900 resolution for sharper display
- 5ms fast response time
- SmartContrast: For incredible rich black details

### Environmentally friendly green design

- Complies with RoHS standards to care for the environment
- EPEAT Silver ensures lower impact on environment
- Eco-friendly materials that meets international standards

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Easy picture format control switching in wide and 4:3 format
- Screen tilts to your ideal, individualized viewing angle

**PHILIPS**

# Highlights

## Eco-friendly materials

"Philips is committed to use sustainable, eco-friendly materials across its monitor range. All body plastic parts, metal chassis parts and packing materials use 100% recyclable materials. In some selected models we utilize upto 65% post consumer recycled plastics. Strict adherence to RoHS standards ensure substantial reduction or elimination of toxic substances like Lead, for example. Mercury content in monitors with CCFL backlight has been reduced significantly, while eliminated in monitors with LED backlight completely. Visit Philips @ <http://www.asimpleswitch.com/global/> to learn more.

## 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.

## Dual input



VGA connector



DVI connector

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

## Easy picture format control



Widescreen format

4:3 format

Philips easy picture format control on OSD is to switch 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.

## 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.

## Compliant with RoHS standards

Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

## EPEAT Silver

Philips EPEAT Silver certified monitors ensure protection for human health and environment, and are highly energy efficient ensuring low emissions of climate changing green house gases. EPEAT program helps purchasers evaluate, compare and select Monitors based

on 51 environmental criteria supported by US EPA. EPEAT Silver is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

## SmartContrast



With SmartContrast



Without 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.



# Specifications

## Connectivity

- Signal Input: VGA (Analog ), DVI-D
- Sync Input: Separate Sync, Sync on Green

## Picture/Display

- Panel Size: 19 inch / 48.1 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- Pixel pitch: 0.285 x 0.285 mm
- Optimum resolution: 1440 x 900 @ 60 Hz
- Brightness: 250 cd/m<sup>2</sup>
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 20000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R >= 5
- Scanning Frequency: 30 - 83 kHz (H) / 56 -75 Hz (V)
- sRGB

## Convenience

- Plug & Play Compatibility: DDC/CI, Windows 98/2000/XP/Vista, sRGB
- User convenience: Brightness, Menu, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese, Turkish
- Other convenience: VESA mount (100x100mm), Kensington lock

## Stand

- Tilt: -5/+20 degree

## Power

- Power supply: Built-in, 100-240VAC, 50/60Hz

- Off mode: <math>\leq 0.5\text{ W}</math>
- On mode: 22.8 W
- Standby mode: <math>\leq 0.8\text{ W}</math>
- Power LED indicator: Operation - green, Stand by/sleep - Amber

## Dimensions

- Product with stand (mm): 439 x 363 x 192 mm
- Packaging in mm (WxHxD): 490 x 375 x 145 mm
- Product without stand (mm): 439 x 304 x 61 mm

## Weight

- Product with packaging (kg): 4.95 kg
- Product with stand (kg): 3.60 kg
- Product without stand (kg): 3.33 kg

## Operating conditions

- Temperature range (operation): 0-40 °C
- MTBF: 50,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20-60 °C

## Sustainability

- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: CE Mark, FCC, Class B, UL/cUL

## Cabinet

- Color: Black
- Finish: Texture



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