

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

#### **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

#### Environmentally friendly green design

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



# **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 noninterlaced for better display performance and increased color accuracy.

#### **Dual input**





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









and photos.



mode and back again to match the display's aspect

documents without scrolling or viewing widescreen

media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

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

Philips designs and produces display products in compliance with strict Restriction of Hazardous

Substances (RoHS) standards that restrict lead and

people who spend long hours working on the

Compliant with RoHS standards

other toxic substances that can harm the

Philips EPEAT Silver certified monitors ensure

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

On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive

measured in milliseconds. Faster is better: Lower

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

www.epeat.net for registration status in your

(white) and back to active (black) again. It is

response time means faster transitions and, therefore, results in fewer visible image artifacts in

5ms on/off response time

protection for human health and environment, and

are highly energy efficient ensuring low emissions of

climate changing green house gases. EPEAT program

ratio with your content for working with wide

Adjustable tilt

environment.

**EPEAT Silver** 



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# Specifications

#### Picture/Display

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

#### Connectivity

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

#### Convenience

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

#### Stand

• Tilt: -5/+20 degree

#### Power

- On mode: 22.8 W
- Standby mode: <0.8 W
- Off mode: < 0.5 W
- Power LED indicator: Operation green, Stand by/ sleep - Amber
- Power supply: Built-in, 100-240VAC, 50/60Hz

- Product with stand (mm):  $439 \times 363 \times 192$  mm
- Product without stand (mm):  $439 \times 304 \times 61 \text{ mm}$
- Packaging in mm (WxHxD):  $490 \times 375 \times 145 \text{ mm}$

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

## **Operating conditions**

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

#### **Sustainability**

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

#### **Compliance and standards**

 $\bullet$  Regulatory Approvals: CE Mark, FCC, Class B, UL/ cUL

## **Cabinet**

- · Color: Black
- Finish: Texture