



Philips  
LCD widescreen monitor

48 cm (19") w E-line

190E1SB

## Attractive Dual input display offers great value

Enjoy more with this Vista-ready HD display ! With DVI and VGA inputs, Auto format, SmartContrast and Glossy finish, the 190E1 is a great choice for all your needs

### Great picture quality

- Ready to display HD content
- SmartContrast 25000:1 for incredible rich black details
- 5ms fast response time
- DVI-D input and HDCP support

### Design that complements any interior

- Glossy finish to enhance your decor
- Small footprint to blend into any lifestyle

### Environmentally friendly green design

- Energy Star for energy efficiency and low power consumption
- Eco-friendly materials that meets international standards
- Complies with RoHS standards to care for the environment

### Great convenience

- Dual input accepts both analog VGA and digital DVI signals
- Easy picture format control switching in wide and 4:3 format

# PHILIPS

# Highlights

## SmartContrast ratio 25000:1



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.

## 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.

## Energy Star



Energy Star-labeled home electrical products are designed to use less energy - saving you money while reducing environmental pollution. In fact, Energy Star-compliant products consume less than 1 watt of power while in standby mode. As an Energy Star



partner, Philips develops products that meet the Energy Star guidelines for energy efficiency. This is achieved by having low standby power consumption through innovatively designed standby circuitry and stringent selection of components made with high efficiency materials.

## 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.

## 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.

# 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
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: 25000:1
- Contrast ratio (typical): 1000:1
- Response time (typical): 5 ms
- Optimum resolution: 1440 x 900 @ 60 Hz
- Display colors: 16.7 M
- Scanning Frequency: 30 -83 kHz (H) / 56 -75 Hz (V)
- sRGB

## Connectivity

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

## Convenience

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

## Stand

- Tilt: -5/20 degree

## Power

- Power LED indicator: Operation - Blue, Stand by/ sleep -blue(blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz
- On mode: <18W (EnergyStar 5.0 test method)
- Off mode: < 0.5 W

## Dimensions

- Product with stand (mm): 358 x 445 x 180 mm
- Product without stand (mm): 297 x 445 x 64 mm
- Packaging in mm (WxHxD): 360 x 518 x 140 mm

## Weight

- Product with stand (kg): 3.5 kg
- Product without stand (kg): 3.3 kg
- Product with packaging (kg): 4.9 kg

## Operating conditions

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

## Sustainability

- Environmental and energy: Energy Star, RoHS

## Compliance and standards

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

## Cabinet

- Color: Black
- Finish: Glossy



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