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
- 5ms fast response time
- SmartContrast 25000:1 for incredible rich black details
- 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

- Complies with RoHS standards to care for the environment
- Energy Star for energy efficiency and low power consumption
- 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

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Highlights

High definition monitor

A high definition monitor is a display device designed to deliver the exceptional picture quality of high definition pictures, one fully prepared for HD sources like HD set top boxes. A HD monitor offers picture quality beyond that of progressive scan, conforming to strict standards for HD screens that display high resolution, top picture quality signals through a universal connection for either analog VGA or uncompressed DVI digital connections and supports HDCP. It displays 720p (1280x720p @ 50 and 60 Hz progressive) and 1080i (1920x1080i @ 50 and 60 Hz interlaced) signals.

SmartContrast ratio 25000:1

With SmartContrast | Without SmartContrast

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.

Glossy finish

An attractive, elegantly finished glossy finish that fits in with and complements your decor.

Small footprint

Small footprint to blend into any lifestyle

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.

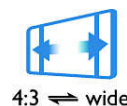### Easy picture format control

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.

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.

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.

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/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 25000:1
- 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, Mac OS X, sRGB
- 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

Stand
- Tilt: -5/20 degree

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

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

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

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

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

www.philips.com