



Philips
LED Monitor

48 cm (19") w E-line

WXGA

193E1SB

LED display: Contrast has never been better!!

The 193E1 is a Eco friendly LED display with a superb 1000000:1 contrast ratio and true colors, along with DVI and VGA inputs.

Great picture quality

- Ready to display HD content
- LED technology ensures natural colors
- SmartContrast 1,000,000:1 for incredible rich black details
- 5ms fast response time

Environmentally friendly green design

- Mercury Free eco-friendly display
- Eco-friendly materials that meets international standards
- Energy Star for energy efficiency and low power consumption

Great convenience

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

PHILIPS
sense and simplicity

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.

LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of LCD backlight, resulting in super high contrast ratio. It also gives superior color reproduction thanks to consistent brightness across the screen.

SmartContrast ratio 1000000:1



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.

Mercury Free

Philips monitors with LED backlighting are free of Mercury content, one of the most toxic natural substances which affects humans and animals. This allows for a eco-friendly display through out its life-cycle from manufacturing to disposal.

Eco-friendly materials

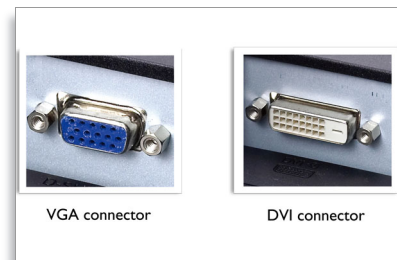
With sustainability as a strategic driver of its business, Philips is committed to use eco-friendly materials across its new product range. Lead-free materials are used across the range. All body plastic parts, metal chassis parts and packing material uses 100% recyclable material. Substantial reduction in mercury content in lamps has been achieved. We strictly adhere to RoHs standards which ensure that all hazardous material is removed. You can read more about sustainability and Philips @ <http://www.asimpleswitch.com/global/>

Energy Star 5.0

Energy Star is a US EPA sponsored energy efficiency program also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the

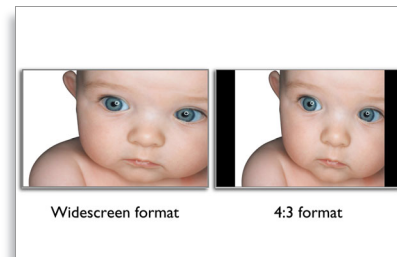
latest power efficiency standards which operates with maximum power efficiency at all operational levels. New Philips monitors are certified for Energy Star 5.0 specifications and meet or exceed the standard. For example, in sleep mode Energy Star 5.0 requires less than 1watt power consumption, whereas Philips monitors consume less than 0.5watts. Further details can be obtained from www.energystar.gov

Dual input



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

Easy picture format control



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: 18.95 inch/ 48.13 cm
- Aspect ratio: 16:10
- Pixel pitch: 0.3 x 0.3 mm
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Brightness: 250 cd/m²
- SmartContrast: 1,000,000:1
- Contrast ratio (typical): 1000:1
- Response time (typical): 5 ms
- Optimum resolution: 1440x900 @ 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 (digital, HDCP)
- Sync Input: Separate Sync, Sync on Green

Convenience

- User convenience: Brightness, Auto picture, Menu, Auto, 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: 14.5W(EnergyStar 5.0 test method)
- Standby mode: <0.5W
- Off mode: <0.5W

Dimensions

- Product with stand (mm): 374 x 437 x 189 mm
- Product without stand (mm): 303 x 437 x 57 mm
- Packaging in mm (WxHxD): 375 x 490 x 138 mm

Weight

- Product with stand (kg): 3.3 kg
- Product without stand (kg): 3.1 kg
- Product with packaging (kg): 4.6 kg

Operating conditions

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

Sustainability

- Environmental and energy: EPEAT Silver, RoHS, Energy Star
- 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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