



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

Environmentally friendly green design

- Mercury Free eco-friendly display
- 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

PHILIPS

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 reduces the environmental impact of the display throughout its life-cycle, from manufacturing to disposal.

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.

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



VGA connector



DVI connector

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

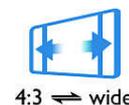
Easy picture format control



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

Connectivity

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

Picture/Display

- Panel Size: 18.95 inch/ 48.13 cm
- Aspect ratio: 16:10
- LCD panel type: TFT-LCD
- Pixel pitch: 0.3 x 0.3 mm
- Optimum resolution: 1440x900 @ 60 Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1000:1
- SmartContrast: 1,000,000:1
- 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: 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

Stand

- Tilt: -5/20 degree

Power

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

- Off mode: $\leq 0.5W$
- On mode: 14.5W(EnergyStar 5.0 test method)
- Standby mode: $\leq 0.5W$
- Power LED indicator: Operation - Blue, Stand by/sleep -blue(blinking)

Dimensions

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

Weight

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

Operating conditions

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

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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