Big Full-HD display for great viewing experience

Enjoy more with this attractive 16:9 Full HD 1080p quality display ! With DVI and VGA inputs, Auto format, SmartContrast and Glossy finish, the 231E1 is a great choice for all your needs

Great picture quality

- Full HD LCD display, 1920x1080p resolution
- 16:9 display for best widescreen gaming and video
- 5ms fast response time
- SmartContrast 25000:1 for incredible rich black details
- DVI signal input for full HD performance with HDCP

Design that complements any interior

- Cable management reduces cable clutter for neat workspace
- Glossy finish to enhance your decor

Environmentally friendly green design

- 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

Full HD 1920x1080p LCD display

Enjoy crisp and crystal clear picture quality to give your audience a truly memorable visual experience. Your viewers will be treated to unsurpassed video, with an amazing color gamut and the sharpest pictures around.

16:9 widescreen aspect ratio

An aspect ratio is an expression of a video image's width compared to its height. The 16:9 widescreen aspect ratio is standard for universal to high-definition television and European digital television. A native 16:9 aspect ratio means outstanding game and video display without bars at top and bottom of the picture and without the quality loss than comes from scaling, altering an image to fit on a different screen size.

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.

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.

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

DVI signal with HDCP

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.

Glossy finish

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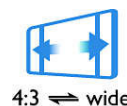
Eco-friendly materials

"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.

Cable management

Cable management is an intimate design that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

Specifications

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

Picture/Display
- Panel Size: 23 inch/58.42 cm
- Aspect ratio: 16:9
- LCD panel type: TFT-LCD
- Pixel pitch: 0.265 x 0.265 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 300 cd/m²
- Display colors: 16.7 M
- SmartContrast: 25000:1
- Response time (typical): 5 ms
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB

Convenience
- Plug & Play Compatibility: DDC/CI, Windows 7/ Vista/XP/2000/98, sRGB
- User convenience: SmartImage, Menu, Volume, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Portuguese, Turkish
- Other convenience: Kensington lock

Stand
- Tilt: -5/20 degree

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

- Off mode: < 0.5 W
- On mode: <29.7W (EnergyStar 5.0 test method)
- Standby mode: <0.5W
- Power LED indicator: Operation - Blue, Stand by/ sleep -blue(blinking)

Dimensions
- Product with stand (mm): 547 x 433 x 201 mm
- Packaging in mm (WxHxD): 596 x 495 x 134 mm
- Product without stand (mm): 547 x 351 x 68 mm

Weight
- Product with packaging (kg): 7.3 kg
- Product with stand (kg): 5.6 kg
- Product without stand (kg): 5.18 kg

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

Sustainability
- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0

Compliance and standards
- Regulatory Approvals: CE Mark, FCC, Class B, UL/ cUL

Cabinet
- Color: Black
- Finish: Glossy