



Philips  
LCD monitor with  
SmartTouch

24" w E-line

1920 x 1080 Full HD

241E1SB

## Big Full-HD display for a 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 241E1 is a compelling choice for all your needs

### Great picture quality

- Full HD LCD display, 1920 x 1080p resolution
- 16:9 display for best widescreen gaming and video
- 5 ms 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

- Glossy finish to enhance your decor

### Environmentally friendly green design

- Energy Star for energy efficiency and low power consumption
- Eco-friendly materials meet major International standards

### Great convenience

- Dual input accepts both analogue VGA and digital DVI signals
- Ultra-modern SmartTouch controls
- Easy picture format control switching between wide and 4:3 formats

# PHILIPS

sense and simplicity

## Highlights

### Full HD 1920 x 1080p LCD display

This display has a resolution that is referred to as Full HD. With state-of-the-art LCD screen technology it has the full high-definition widescreen resolution of 1920 x 1080p. It allows the best possible picture quality from any format of HD input signal. It produces brilliant flicker-free pictures with optimum brightness and superb colours. This vibrant and sharp image will provide you with an enhanced viewing experience.

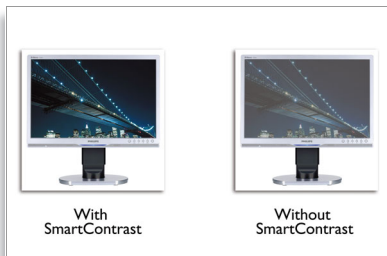
### 16:9 widescreen aspect ratio

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.

### 5 ms 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 artefacts 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



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 black level and accurate rendition of dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

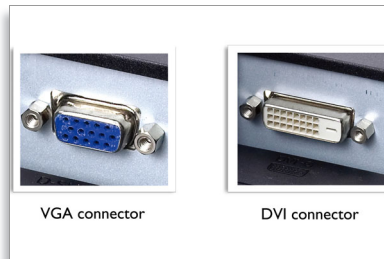
### DVI signal with HDCP

High-Bandwidth Digital Content Protection (HDCP) is a copyright protection system that is incorporated into the DVI connector. It helps stop unauthorised 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.

### Energy Star 5.0

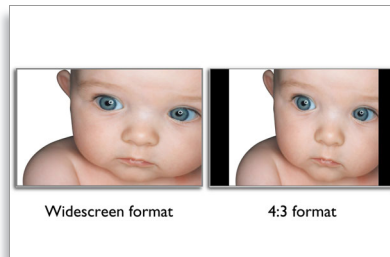
Energy Star is a US EPA sponsored energy efficiency programme also adopted by many other countries. Energy Star certification ensures that you are buying a product which meets the latest power efficiency standards and which operates with maximum power efficiency at all operational levels. New Philips 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 1 Watt power consumption, whereas Philips monitors consume less than 0.5 Watts. Further details can be obtained from [www.energystar.gov](http://www.energystar.gov)

### Dual input



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

### Easy picture format control



Philips auto 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 scroll

## Specifications

### Picture/Display

- LCD panel type: TFT-LCD
- Panel Size: 23.6 inch/59.95 cm
- Aspect ratio: 16:9
- Pixel pitch: 0.272 x 0.272 mm
- Viewing angle: 176° (H)/170° (V), @ C/R > 5
- Brightness: 300 cd/m<sup>2</sup>
- SmartContrast: 25000:1
- Contrast ratio (typical): 1000:1
- Response time (typical): 5 ms
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Display colours: 16.7 M
- Scanning Frequency: 30–83 kHz (H)/56–75 Hz (V)
- sRGB

### Connectivity

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

### Convenience

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

### Stand

- Tilt: -5/20 degree

### Power

- On mode: 29.8 W (EnergyStar 5.0 test method)
- Off mode: < 0.5 W
- Power LED indicator: Operation - Blue, Standby/sleep-blue (flashing)
- Power supply: Built-in, 100-240 VAC, 50/60 Hz

### Dimensions

- Product with stand (mm): 400 x 561 x 210 mm
- Product without stand (mm): 336 x 561 x 68 mm
- Packaging in mm (W x H x D): 404 x 620 x 168 mm

### Weight

- Product with stand (kg): 5.4 kg
- Product without stand (kg): 4.9 kg
- Product with packaging (kg): 7.1 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: EPEAT Silver, RoHS, EnergyStar 5.0

### Compliance and standards

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

### Cabinet

- Colour: Black
- Finish: Glossy



Issue date 2010-01-20

Version: 3.0.4

12 NC: 8670 000 53765  
EAN: 87 12581 48901 4

© 2010 Koninklijke Philips Electronics N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips Electronics N.V. or their respective owners.

[www.philips.com](http://www.philips.com)