



Philips  
LED monitor with HDMI,  
Audio, SmartTouch

21.5" (54.6 cm) E-line

Full HD

224EL2SB

## Elegant HDMI LED display for Full HD entertainment

This elegant, 224EL2 HDMI Full HD Multimedia LED display with stylish SmartTouch controls is ready to immerse you in the gaming and movie world

### Great picture quality

- LED technology ensures natural colors
- Full HD LCD display, 1920x1080p resolution
- 16:9 display for best widescreen gaming and video
- SmartContrast 20000000:1 for incredible rich black details

### Design that complements any interior

- Sleek, elegant design complements your home decor
- Glossy finish to enhance your decor
- Stylish SmartTouch controls

### Experience true multimedia

- HDMI-ready for top quality, multimedia experience
- Built in stereo audio for multimedia experience

### Great convenience

- Easy display performance tuning with SmartControl Lite
- Easy picture format control switching in wide and 4:3 format

**PHILIPS**  
sense and simplicity

# Highlights

## Sleek, elegant design

A sleek, elegant design look that complements home furnishings in any room.

## 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.

## Full HD 1920x1080p 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 colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

## SmartContrast ratio 20000000:1



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.

## HDMI Ready



A HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers and video cameras.

## SmartTouch controls

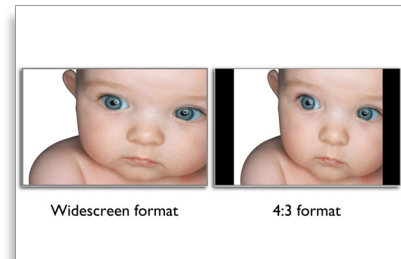
SmartTouch controls are intelligent, touch sensitive icons that replace protruding buttons. Responding to your lightest touch, SmartTouch controls, for example, power up your monitor or brighten and sharpen your display with SmartImage Lite. When activated, SmartTouch icons glow to indicate that your commands have been implemented.

## 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.

## Easy picture format control



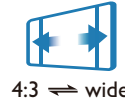
Philips easy picture format control on OSD is to switch from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

## Built-in stereo audio

A pair of high quality stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

## SmartControl Lite

SmartControl Lite is the next generation 3D icon based GUI monitor control software. This allows user to fine-tune most parameters of the monitor like Color, Brightness, screen calibration, Multi-media, ID management, etc with the mouse.



# Specifications

## Picture/Display

- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Panel Size: 21.5 inch / 54.6 cm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 5 ms
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.248 x 0.248 mm
- Viewing angle: 176° (H) / 170° (V), @ C/R > 5
- Picture enhancement: SmartImage Lite
- 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), HDMI
- Sync Input: Separate Sync, Sync on Green
- Audio In/Out: Stereo Audio, PC audio-in, Earphone out (3.5 mm jack) x 1

## Convenience

- Built-in Audio: 1.5Wx2
- User convenience: SmartImage lite, Input, Volume, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese, Turkish
- Other convenience: VESA mount (100x100mm), Kensington lock
- Plug & Play Compatibility: DDC/CI, Mac OS X, Windows 7 / Vista, sRGB

## Stand

- Tilt: -5/+20 degree

## Power

- On mode: 17 W (EnergyStar 5.0 test method)
- Standby mode: <0.5W

- Off mode: < 0.5 W
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz

## Dimensions

- Product with stand (mm): 505 x 484 x 249 mm
- Product with stand in inch: 19.88 x 19.06 x 9.80 inch
- Product without stand (mm): 505 x 351 x 59 mm
- Product without stand in inch: 19.88 x 13.82 x 2.32 inch
- Packaging in mm (WxHxD): 565 x 465 x 155 mm
- Packaging in inch (WxHxD): 22.24 x 18.31 x 6.10 inch

## Weight

- Product with stand (kg): 4.15 kg
- Product with stand (lb): 9.13 lb
- Product without stand (kg): 3.65 kg
- Product without stand (lb): 8.03 lb
- Product with packaging (kg): 6.00 kg
- Product with packaging (lb): 13.20 lb

## 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: 30,000 hour(s)

## Sustainability

- Environmental and energy: RoHS, EPEAT Silver, EnergyStar 5.0
- Recyclable packaging material: 100 %

## Compliance and standards

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

## Cabinet

- Color: Black/Black
- Finish: Glossy



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