



Philips  
IPS LCD monitor, LED  
backlight with SmartImage  
Lite

**E-line**

23" / 58.4cm Full HD IPS display

**237E3QSU**

## High performance IPS display

for brilliant, vivid colors

Experience brilliant LED pictures on this IPS wide-view display. With elegant design, translucent blue bezel and SmartImage lite it's a great choice!

### Great picture quality

- IPS LED wide view technology for image and color accuracy
- 16:9 Full HD display for best viewing experience
- SmartContrast 20000000:1 for incredible rich black details
- SmartImage Lite for an enhanced LCD viewing experience

### Design that complements any interior

- Sleek, elegant design complements your home decor
- Translucent blue bezel with glossy finish
- Modern Touch controls

### Environmentally friendly green design

- Mercury Free eco-friendly display
- Eco-friendly materials that meets international standards

### Great convenience

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

**PHILIPS**  
sense and simplicity

# Highlights

## IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

## 16:9 Full HD



The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

## 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.

## 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.

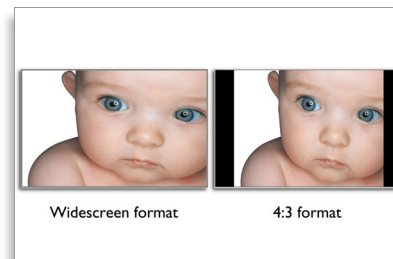
## SmartImage Lite

SmartImage Lite is an exclusive, leading edge Philips technology that analyzes the content displayed on your screen. Based on a scenario you select, SmartImage Lite dynamically enhances the contrast, color saturation and sharpness of images and videos for ultimate display performance - all in real time with the press on a single button.

## Touch controls

Touch controls are intelligent, touch sensitive icons that replace protruding buttons that let the user adjust the monitor to their requirement. Responding to your lightest touch, Touch control gives the monitor a modern feel.

## 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.

## 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 up to 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.

## 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 an eco-friendly display throughout its life-cycle from manufacturing to disposal.

## Sleek, elegant design

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



# Specifications

## Picture/Display

- LCD panel type: IPS LCD
- Backlight type: W-LED system
- Panel Size: 23 inch/ 58.4 cm
- Effective viewing area: 509.18 x 286.41 mm
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- SmartResponse (typical): 7 ms (Grey to Grey)
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.265 x 0.265 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- 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)
- Sync Input: Separate Sync, Sync on Green

## Convenience

- User convenience: SmartImage lite, Input, 4:3 / Wide, Menu, Power On/Off
- OSD Languages: English, French, German, Italian, Portuguese, Russian, Simplified Chinese, Spanish, Turkish
- Other convenience: Kensington lock
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7/Vista/XP

## Stand

- Tilt: -5/+20 degree

## Power

- On mode: 26.6 W (typ.) (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): 568 x 435 x 238 mm
- Product without stand (mm): 568 x 345 x 46 mm
- Packaging in mm (WxHxD): 619 x 498 x 110 mm

## Weight

- Product with stand (kg): 3.46 kg
- Product without stand (kg): 2.93 kg
- Product with packaging (kg): 5.07 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: 30,000 hour(s)

## Sustainability

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

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, FCC Class B, GOST, SEMKO, TUV Ergo, TUV/GS, UL/cUL, TCO certified, PSB, SASO, WEEE

## Cabinet

- Color: Black with Blue Tint
- Finish: Glossy



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