



Philips  
LCD monitor with  
SmartImage lite

**Ultra Narrow Bezel**

21.5" (54.6cm)  
AH-IPS

**224E5QSB**

## Vibrant images with AH-IPS display

with Ultra Narrow Bezel

This attractive Philips display with ultra narrow bezel and AH-IPS screen gives you awesome, vibrant color images.

### **Awesome picture quality**

- AH-IPS display gives awesome images with wide viewing angles
- 16:9 Full HD display for crisp detailed images
- TrueVision ensures lab quality images
- SmartImage Lite for an enhanced LCD viewing experience

### **Stylish design**

- Minimalistic looks with Ultra Narrow Bezel
- Superb glossy and texture finish
- VESA mount for convenience

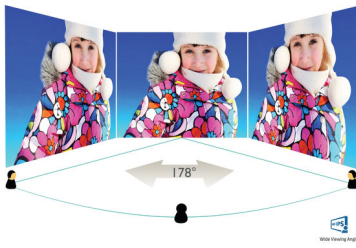
### **Greener everyday**

- Low power consumption saves energy bills
- Mercury Free eco-friendly display
- Eco-friendly materials that meets international standards

# PHILIPS

# Highlights

## AH-IPS technology



AH-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. Unlike standard TN panels, AH-IPS displays gives 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.

## Ultra Narrow Bezel

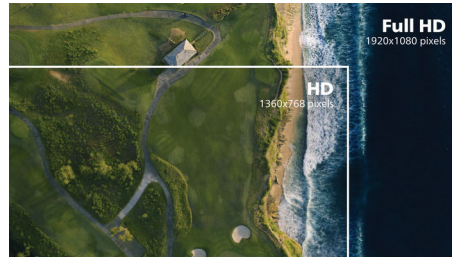
Utilizing latest technology panels, the new Philips displays are designed with minimalistic approach by limiting the outer bezel thickness to about 2.5mm. Combined with in-panel black matrix strip of around 9mm, the overall bezel dimensions are reduced significantly allowing for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setup like gaming, graphics design and professional applications, the Ultra narrow bezel display gives you the feeling of using one large display.

## 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.

## 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

## TrueVision



TrueVision is a proprietary Philips technology that uses advanced algorithm for testing and aligning monitor display which gives you the ultimate display performance. Philips ensures

TrueVision monitors leave the factory fine-tuned with this process giving you consistent color and picture quality.

## 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.



# Specifications

## Picture/Display

- LCD panel type: AH-IPS LCD
- Backlight type: W-LED system
- Panel Size: 21.5 inch / 54.6 cm
- Effective viewing area: 476.1 (H) x 267.8 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Response time (typical): 8 Gray to Gray (BW) ms
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.248 x 0.248 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: Power On/Off, Menu, 4:3 / Wide, Input, SmartImage lite
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 7, Windows 8

## Stand

- Tilt: -5/20 degree

## Power

- On mode: 18.9 W (typ.) (EnergyStar 6.0 test method)
- Standby mode: 0.5 W (typ.)

- Off mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand (mm): 500 x 394 x 213 mm
- Product without stand (mm): 500 x 306 x 47 mm
- Packaging in mm (WxHxD): 562 x 466 x 106 mm

## Weight

- Product with stand (kg): 3.14 kg
- Product without stand (kg): 2.82 kg
- Product with packaging (kg): 5.01 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 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 30,000 hour(s)

## Sustainability

- Environmental and energy: TCO Certified, RoHS, Mercury Free
- Recyclable packaging material: 100 %

## Compliance and standards

- Regulatory Approvals: BSMI, CE Mark, cETLus, FCC Class B, GOST, PSB, SASO, SEMKO, TUV/ISO9241-307, WEEE

## Cabinet

- Color: Black Cherry / Black
- Finish: Glossy

## What's in the box?

- Monitor with stand
- Cables: VGA, Power
- User Documentation



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