

Philips
LCD monitor with Ultra
Wide-Color

E Line

24 (Viewable 23.6" / 59.9 cm)
1920 x 1080 (Full HD)

246E7QDSB



Vivid, true-to-life colors

in an elegant design

This brilliant wide view display with Ultra Wide-Color offers true-to-life colors wrapped in an elegance-inspired design for a light and fresh face in any home or office.

Elegant Design

- Elegant, slim design complements your home decor
- Superb glossy finish enhance your home decoration
- EasySelect menu toggle key for quick on-screen menu access

Superb Picture Quality

- SmartImage Lite for easy optimized image settings
- SmartContrast for deep black level details
- 16:9 Full HD display for crisp detailed images
- Less eye fatigue with Flicker-free technology
- PLS LED wide-view technology for image and color accuracy
- Ultra Wide-Color wider range of colors for a vivid picture
- LowBlue Mode for easy on-the-eyes productivity

Experience immersive multimedia

- MHL technology for enjoying mobile content on big screen

PHILIPS

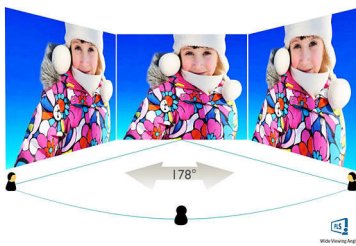
Highlights

Ultra Wide-Color Technology



Ultra Wide-Color Technology delivers a wider spectrum of colors for a more brilliant picture. Ultra Wide-Color wider "color gamut" produces more natural-looking greens, vivid reds and deeper blues. Bring, media entertainment, images, and even productivity more alive and vivid colors from Ultra Wide-Color Technology.

PLS technology



PLS displays uses 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, PLS 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.

Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience

flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

SmartContrast



SmartContrast is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

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.

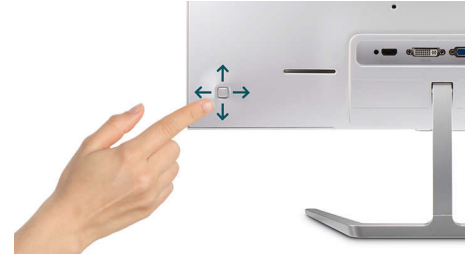
LowBlue Mode



Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting

uses a smart software technology to reduce harmful shortwave blue light.

EasySelect Menu Toggle Key



The discreetly placed EasySelect Menu Toggle Key allows you to make quick and easy adjustments to monitor settings in the On-Screen Display menu.

MHL technology



Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL display, and watch your HD videos come to life with full digital sound. Now not only you can enjoy your mobile games, photos, movies, or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power half way.

Slim design

Elegant, slim design complements your home decor

Superb glossy finish

Superb glossy finish enhance your home decoration



Specifications

Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP), MHL-HDMI (digital, HDCP)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

Picture/Display

- Panel Size: 23.6 inch / 59.9 cm
- Aspect ratio: 16:9
- LCD panel type: PLS LCD
- Backlight type: W-LED system
- Pixel pitch: 0.272 x 0.272 mm
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Color gamut (typical): NTSC 101.4% (CIE1976)*
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage Lite
- Effective viewing area: 521.28 (H) x 293.22 (V)
- Scanning Frequency: 30 -83 kHz (H) / 56 -76 Hz (V)
- sRGB
- MHL: 1080P @ 30Hz
- Flicker-free
- LowBlue Mode

Convenience

- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7
- User convenience: Power On/Off, Menu, Volume (HDMI Audio out), 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)

Stand

- Tilt: -5/20 degree

Power

- Power supply: External, 100-240VAC, 50-60Hz
- Off mode: 0.3 W (typ.)
- On mode: 14.47 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions

- Product with stand (mm): 539 x 419 x 179 mm
- Packaging in mm (WxHxD): 581 x 490 x 102 mm
- Product without stand (mm): 539 x 324 x 45 mm

Weight

- Product with packaging (kg): 5.13 kg
- Product with stand (kg): 3.18 kg
- Product without stand (kg): 2.61 kg

Operating conditions

- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- Temperature range (operation): 0°C to 40°C °C
- MTBF: 50,000 (excluding backlight) hour(s)
- Relative humidity: 20%-80 %
- Temperature range (storage): -20°C to 60°C °C

Sustainability

- Environmental and energy: EnergyStar 7.0, RoHS, Mercury Free
- Recyclable packaging material: 100 %

Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, CU-EAC, TCO Certified, TUV/ISO9241-307, VCCI, C-tick, WEEE, CECF

Cabinet

- Color: Black
- Finish: Glossy



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* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work

* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.

* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality

* For complete list of MHL-enabled products refer to www.mhlconsortium.org

* HDMI cables vary depending on region and models.

* Response time value equal to SmartResponse

* NTSC 85% (CIE1931), sRGB: 122.7%