LCD monitor with Ultra Wide-Color

E Line

24 (23.8"/60.5 cm diag.)

Full HD (1920 x 1080)

246E9QDSB

Stunning colour, stylish design

The Philips E line monitor features stylish design with extraordinary picture performance. A narrow border Full HD display with Ultra Wide-Color brings you to real true-to-life visuals. Enjoy superior viewing in a stylish design.

Superb Picture Quality

- Ultra Wide-Color wider range of colours for a vivid picture
- IPS LED wide view technology for image and colour accuracy
- 16:9 Full HD display for crisp, detailed images
- Effortlessly smooth gameplay with AMD FreeSync™ technology

Features designed for you

- Narrow-border display for a seamless appearance
- Less eye fatigue with Flicker-Free technology
- LowBlue Mode for easy-on-the-eyes productivity
- HDMI ensures universal digital connectivity

Greener every day

- Eco-friendly materials meet major international standards
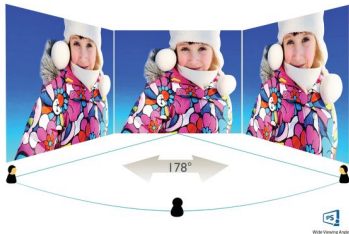- Low power consumption saves energy bills

Highlights

Ultra Wide-Color Technology

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

IPS technology

IPS displays use an advanced technology that gives you extra-wide viewing angles of 178/178 degrees, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays give you remarkably crisp images with vivid colours, making them ideal not only for Photos, movies and web browsing, but also for professional applications that demand colour accuracy and consistent brightness at all times.

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 colours, expect a true-to-life picture.

Ultra-smooth gaming

AMD FreeSync™ OFF (simulation)   AMD FreeSync™ ON

Gaming shouldn't be a choice between choppy gameplay or broken frames. With the new Philips monitor it doesn't have to be. Get fluid, artefact-free performance at virtually any frame rate with AMD FreeSync™ technology, smooth, quick refresh and ultra-fast response time.

Ultra-narrow Border

The new Philips displays feature ultra-narrow borders which allow for minimal distractions and maximum viewing size. Especially suited for multi-display or tiling setups like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

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.

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, the Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

HDMI Ready

HDMI-ready

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

Eco-friendly materials

"Philips is committed to using 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 use up to 65% post-consumer recycled plastics. Strict adherence to RoHS standards ensures a substantial reduction or elimination of toxic substances like lead, for example. Mercury content in monitors with a CCFL backlight has been reduced significantly, and has been eliminated completely in monitors with an LED backlight.

Ultra Wide-Color | Wide Viewing Angle | Full HD 1080p | AMD FREESYNC TECHNOLOGY | Ultra Narrow Bezel | Flicker-free | LowBlue Mode | HDMI

Specifications

Picture/Display

LCD panel type: IPS technology
Backlight type: W-LED system
Panel Size: 23.8 inch/60.5 cm
Display Screen Coating: Anti-Glare, 3H, Haze 25%
Effective viewing area: 527.04 (H) x 296.46 (V)
Aspect ratio: 16:9
Maximum resolution: 1920 x 1080 @ 75 Hz*
Pixel Density: 93 PPI
Response time (typical): 4 ms (Grey to Grey)*
Brightness: 250 cd/m²
Contrast ratio (typical): 1000:1
SmartContrast: 20,000,000:1
Pixel pitch: 0.275 x 0.275 mm
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Flicker-free
Picture enhancement: SmartImage game
Colour gamut (typical): NTSC 108%*, sRGB 129%*
Display colours: 16.7 M
Scanning Frequency: 30–83 kHz (H)/50–76 Hz (V)
LowBlue Mode
FreeSync
sRGB

Connectivity

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

Convenience

User convenience: Power On/Off, Menu, Brightness, Input, SmartImage Game
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 (75 x 75 mm)
Plug and Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

Tilt: –5/20 degree

Power

On mode: 12.25 W (typ.) (EnergyStar 7.0 test method)
Standby mode: < 0.5 W (typ.)
Off mode: < 0.3 W (typ.)
Energy Label Class: A
Power LED indicator: Operation – White, Standby mode – White (flashing)
Power supply: External, 100-240 VAC, 50-60 Hz

Dimensions

Product with stand (mm): 540 x 416 x 190 mm
Product without stand (mm): 540 x 326 x 39 mm
Packaging in mm (W x H x D): 586 x 477 x 141 mm

Weight

Product with stand (kg): 2.94 kg
Product without stand (kg): 2.39 kg
Product with packaging (kg): 4.45 kg

Operating conditions

Temperature range (operation): 0 to 40 °C
Temperature range (storage): –20 to 60 °C
Relative humidity: 20%–80% %
Altitude: Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF: 50,000 hrs (excluding backlight) hour(s)

Sustainability

Environmental and energy: EnergyStar 7.0, EPEAT Silver, RoHS, Lead-free, Mercury Free, WEEE
Recyclable packaging material: 100 %

Compliance and standards

Regulatory Approvals: CE Mark, FCC Class B, CU-EAC, TUV/ISO9241-307, VCCI, RCM, BSMI, MEPS

Cabinet

Colour: Black / Silver
Finish: Glossy

What's in the box?

Monitor with stand
Cables: HDMI cable, Power cable
User Documentation

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* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* The maximum resolution works for HDMI input only.
* Response time value equal to SmartResponse
* 2015 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, FreeSync and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other names are for informational purposes only and may be trademarks of their respective owners.
* NTSC Area based on CIE 1976
* sRGB Area based on CIE 1931
* The monitor may look different from feature images.