LCD monitor

- E Line
- 24 (23.8" / 60.5 cm diag.)
- 2560 x 1440 (QHD)

245E1S/00

Simply stunning

The 24" E Line monitor features stunning visuals and elegant design for a stylish enhancement to your workspace. Experience crystal-clear Quad HD visuals, and smooth action with AMD FreeSync technology.

Benefits

Superb Picture Quality

- IPS LED wide view technology for image and color accuracy
- Crystalclear images with Quad HD 2560 x 1440 pixels
- Ultra Wide-Color wider range of colors for a vivid picture
- Effortlessly smooth gameplay with AMD FreeSync™ technology
- SmartImage game mode optimized for gamers
- SmartContrast for rich black details

Features designed for you

- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- HDMI ensures universal digital connectivity
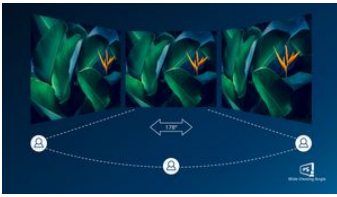- DisplayPort connection for maximum visuals

Greener everyday

- Mercury Free eco-friendly display

PHILIPS

Features

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. Unlike standard TN panels, 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.

Crystalclear images

These Philips screens deliver Crystalclear, Quad HD 2560x1440 or 2560x1080 pixel images. Utilizing high performance panels with high density pixel count, enabled by high bandwidth sources like USB-C, Displayport, HDMI, these new displays will make your images and graphics come alive. Whether you are demanding professional requiring extremely detailed information for CAD-CAM solutions, using 3D graphic applications or a financial wizard working on huge spreadsheets, Philips displays will give you Crystalclear images.

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.

Ultra-smooth gaming

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, artifact-free performance at virtually any framerate with AMD FreeSync™ technology, smooth quick refresh and ultra-fast response time.

SmartImage Game mode

The new Philips gaming display has quick access OSD fine tuned for gamers, offering you multiple options. "FPS" mode (First person shooting) improves dark themes in games, allowing you to see hidden objects in dark areas. "Racing" mode adapts display with fastest response time, high color, along with image adjustments. "RTS" mode (Real time strategy) has a special SmartFrame mode which enables highlighting of specific area and allows for size and image adjustments. Gamer 1 and Gamer 2 enable you to save personal customized settings based on different games, ensuring best performance.

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

HDMI Ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all 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).

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.

DisplayPort connection

DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

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.

Specifications

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Picture/Display

LCD panel type	IPS technology
AMD FreeSync™ technology	Yes
Backlight type	W-LED system
Panel Size	23.8 inch / 60.5 cm
Display Screen Coating	Anti-Glare, 3H, Haze 25%
Effective viewing area	526.9 (H) x 296.4 (V)
Aspect ratio	16:9
Maximum resolution	2560 x 1440 @ 75 Hz*
Pixel Density	123 PPI
Response time (typical)	4 ms (Gray to Gray)*
Brightness	250 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	Mega Infinity DCR
Pixel pitch	0.206 x 0.206 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage game
Color gamut (typical)	NTSC 100%*, sRGB 117%*
Display colors	16.7 M
Scanning Frequency	54 - 84 kHz (H) / 49 - 75 Hz (V)
sRGB	Yes
Flicker-free	Yes
LowBlue Mode	Yes

Connectivity

Signal Input	VGA (Analog) DisplayPort 1.2 HDMI 1.4
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	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 (100x100mm)
Plug & Play Compatibility	DDC/CI Mac OS X sRGB Windows 10 / 8.1 / 8 / 7

Stand

Tilt	-5/20 degree

data subject to change
2023, September 20

Power

On mode	17.94 W (typ.) (EnergyStar 7.0 test method)
Standby mode	< 0.5 W (typ.)
Off mode	< 0.3 W (typ.)
Energy Label Class	E
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	External 100-240VAC, 50-60Hz

Dimensions

Product with stand (mm)	540 x 414 x 195 mm
Product without stand (mm)	540 x 325 x 43 mm
Packaging in mm (WxHxD)	586 x 462 x 127 mm

Weight

Product with stand (kg)	3.24 kg
Product without stand (kg)	2.56 kg
Product with packaging (kg)	4.68 kg

Operating conditions

Temperature range (operation)	0 to 40 °C
Temperature range (storage)	-20 to 60 °C

Relative humidity	20%-80 %
Altitude	Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
MTBF	50,000 hrs (excluding backlight) hour(s)

Sustainability

Environmental and energy	EnergyStar 7.0 RoHS Mercury Free WEEE
Recyclable packaging material	100 %

Compliance and standards

Regulatory Approvals	CU-EAC EPA CE Mark FCC Class B CB UKRAINIAN

Cabinet

Color	Black
Finish	Textured

What's in the box?

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

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.

* Response time value equal to SmartResponse

* The maximum resolution works for either HDMI input or DP input.

* NTSC Area based on CIE1976

* sRGB Area based on CIE1931

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* The monitor may look different from feature images.

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