



Full HD LCD monitor

- E Line
- 24 (23.8" / 60.5 cm diag.)
- 1920 x 1080 (Full HD)

242E2FE/89

Experience true color, unconstrained visuals

The new Philips E line monitor with 4-sides narrow border and cable management design offers a stylish enhancement to your workspace. Experience crisp Full HD visuals, 1ms and AMD FreeSync™ technology for smooth gaming action.

Benefits

Superb Picture Quality

- 4-sided frameless display
- IPS LED wide view technology for image and color accuracy
- SmartContrast for rich black details

Good for Gaming

- Effortlessly smooth gameplay with AMD FreeSync™ technology
- 1ms (MPRT) fast response for crisp image and smooth gameplay
- SmartImage game mode optimized for gamers

Features designed for you

- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- Cable management reduces cable clutter for neat workspace
- EasySelect menu toggle key for quick on-screen menu access
- Tilt and height-adjust for an ideal viewing position

PHILIPS

Monitor

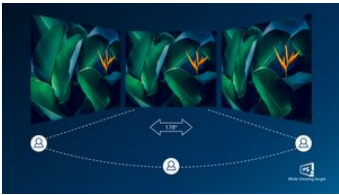
Features

4-sided frameless



Extremely minimizing 4-sided bezels on this virtually frameless display gives minimalist look and offers an expansive viewing experience. Expand your productivity and make you focus on the vivid images with seamless visions. Significant wide view without distraction even multi monitor set-up in pivot mode.

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.

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.

1ms MPRT fast response



MPRT (motion picture response time) is more intuitive way to describe the response time, which directly refers the duration from seeing blurry noise to clean and crisp images. Philips gaming monitor with 1 ms MPRT effectively eliminates smearing and motion blur, delivers shaper and precise visuals to enhance gaming experience. Best choice for playing thrilling and twitch-sensitive games.

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.

Cable management



Cable management is an intimate design that maintains tidy workspace by organizing cables and wires required for the operation of a display device.

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.

Monitor

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.

Specifications

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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) mm
Aspect ratio	16:9
Maximum resolution	1920 x 1080 @ 75 Hz*
Pixel Density	93 PPI
Response time (typical)	4 ms (Grey to Grey)*
MPRT	1 ms
Brightness	300 cd/m ²
Contrast ratio (typical)	1000:1
SmartContrast	Mega Infinity DCR
Pixel pitch	0.2745 x 0.2745 mm
Viewing angle	178° (H) / 178° (V) @ C/R > 10
Picture enhancement	SmartImage game
Color gamut (typical)	NTSC 97.4%*, sRGB 113.8%*
Display colors	16.7 M
Scanning Frequency	30 - 85 kHz (H) / 48 - 75 Hz (V)
sRGB	Yes
Flicker-free	Yes
LowBlue Mode	Yes
EasyRead	Yes
AMD FreeSync™ technology	Yes

Connectivity

Signal Input	VGA (Analog) DisplayPort x 1 HDMI (digital, HDCP)
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

Other convenience

Plug & Play Compatibility

Swedish
Traditional Chinese
Turkish
Ukrainian
Kensington lock
VESA mount (75x75mm)
DDC/CI
Mac OS X
sRGB
Windows 10 / 8.1 / 8 / 7

Stand

Height adjustment	100 mm
Tilt	-5/20 degree

Power

On mode	12.19 W (typ.) (EnergyStar test method)
Standby mode	0.5 W
Off mode	0.3 W
Power LED indicator	Operation - White Standby mode- White (blinking)
Power supply	External 100-240VAC, 50-60Hz

Dimensions

Product with stand(max height)	540 x 458 x 187 mm
Product without stand (mm)	540 x 312 x 36 mm
Packaging in mm (WxHxD)	595 x 449 x 153 mm

Weight

Product with stand (kg)	3.88 kg
Product without stand (kg)	2.28 kg
Product with packaging (kg)	5.65 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 8.0
Recyclable packaging material	RoHS
Specific Substances	100 % Mercury free PVC / BFR free housing

Monitor

Compliance and standards

Regulatory Approvals CB
CE Mark
FCC Class B
ICES-003

Cabinet

Color
Finish

PSB

Black
Textured

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