PHILIPS

Full HD LCD monitor

Monitor

1000 series

24 (23.8"/60.5 cm diag.)

1920 x 1080 (Full HD)

24E2N1100LB



Built for precision

This monitor is packed with features that allow you to work with absolute precision. With its Full HD resolution, 100 Hz refresh rate and 1 ms MPRT, this monitor showcases detailed imagery with the highest definition.

Features designed for you

- EasyRead mode for a paper-like reading experience
- LowBlue mode and Flicker-free easy-on-the eyes viewing

Good for Gaming

- 1 ms (MPRT) fast response for crisp images and smooth gameplay
- 100 Hz refresh rates for ultra-smooth images
- Effortlessly smooth action with Adaptive-Sync technology

Easy to experience

- VESA mount for convenience
- HDMI ensures universal digital connectivity

Superb Picture Quality

- SmartContrast for deep black level details
- 16:9 Full HD display for crisp, detailed images
- VA display delivers awesome images with wide viewing angles

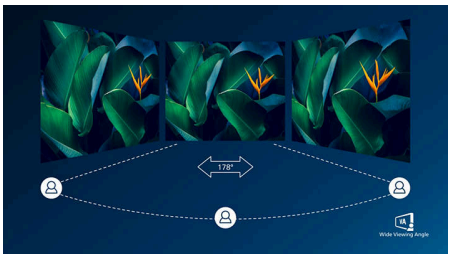
Monitor

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24E2N1100LB/00

Highlights

VA display



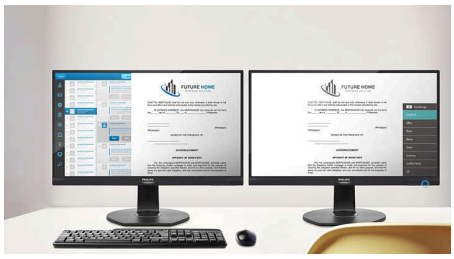
The Philips VA LED display uses an advanced multi-domain vertical alignment technology that gives you super-high static contrast ratios for extra-vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web browsing, films, gaming and demanding graphical applications. Its optimised pixel management technology gives you a 178/178 degree extra-wide viewing angle, resulting in crisp images.

SmartContrast



SmartContrast is a Philips technology that analyses the contents you are displaying, automatically adjusting colours 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.

EasyRead mode



EasyRead mode for a paper-like reading experience

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.

LowBlue Mode and Flicker-free



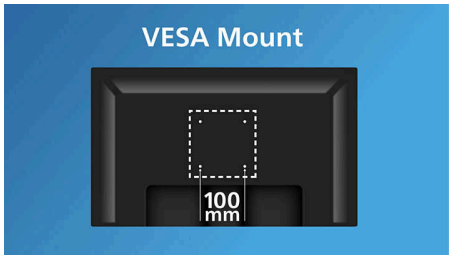
Our LowBlue Mode and Flicker-free technology have been developed to reduce eye strain and fatigue often caused by long hours in front of a monitor.

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).

VESA mount for convenience



Industry-standard VESA mounting holes ensure compatibility with most small form factor PCs and thin clients.

Wide Viewing Angle

Full HD 1080p

SmartContrast

LowBlue Mode

EasyRead

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Adaptive -Sync

Fast Response **1ms** MPRT

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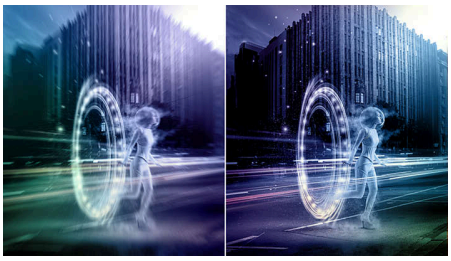
Highlights

Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or screen tearing. Get fluid, artefact-free performance at virtually any framerate with Adaptive-Sync technology, smooth, quick refresh and ultra-fast response time.

1 ms MPRT fast response



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

100 Hz fast refresh



This Philips display refreshes the screen image up to 100 times per second which makes this monitor much faster than a standard display. With a 100 Hz frame rate, gamers are able to find those critical images on the screen that show enemy movement in an ultra-smooth motion so that they are easily targetable.

100Hz

Monitor

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Specifications

Picture/Display

Panel Size: 23.8 inch/60.5 cm
Aspect ratio: 16:9
LCD panel type: VA LCD
Backlight type: W-LED system
Pixel pitch: 0.2745 x 0.2745 mm
Brightness: 250 cd/m²
Display colours: 16.7 M
Contrast ratio (typical): 4000:1
SmartContrast: Mega Infinity DCR
Response time (typical): 4 ms (Grey to Grey)*
Viewing angle: 178º (H)/178º (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 1920 x 1080 @ 100 Hz
Effective viewing area: 527.04 (H) x 296.46 (V) mm
Scanning Frequency: VGA: 30 kHz - 85 kHz (H)/48 Hz - 60 Hz (V); HDMI: 30 kHz - 115 kHz (H)/48 Hz - 100 Hz (V)
sRGB
Flicker-free
Pixel Density: 92.56 PPI
LowBlue Mode
Display Screen Coating: Anti-Glare, 3H, Haze 25%
MPRT: 1 ms*
EasyRead
Adaptive sync (VRR)

Connectivity

Signal Input: VGA x 1, HDMI 1.4 x 1
Sync Input: Separate Sync, Sync on Green
HDCP: HDCP 1.4 (HDMI)

Convenience

Plug and Play Compatibility: DDC/CI, Mac OS, sRGB, Windows 11/10
User convenience: Power On/Off, Menu, Brightness, Input, SmartImage
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 (100 x 100 mm)

Stand

Tilt: -5/20 degree

Power

Power supply: External, 100–240 VAC, 50–60 Hz
Off mode: 0.3 W (typ.)
On mode: 17.7 W (typ.)
Standby mode: 0.5 W (typ.)
Power LED indicator: Operation - White, Standby mode - White (flashing)
Energy Label Class: E

Dimensions

Product with stand (mm): 541 x 416 x 180 mm
Packaging in mm (W x H x D):
610 x 378 x 126 mm
Product without stand (mm): 541 x 322 x 34 mm

Weight

Product with packaging (kg): 4.63 kg
Product with stand (kg): 2.44 kg
Product without stand (kg): 2.16 kg

Operating conditions

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

Sustainability

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

Compliance and standards

Regulatory Approvals: CB, CE Mark, TUV/ISO9241-307, TUV-BAUART, EAC, EAEU RoHS, UKCA, EMF, FCC, ICES-003

Cabinet

Colour: Black
Finish: Textured

What's in the box?

Cables: HDMI cable, power cable

* For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.
* Response time value equal to SmartResponse
* MPRT adjusts the brightness for blur reduction, so the brightness cannot be adjusted while MPRT is turned on. To reduce motion blur, the LED backlight will strobe in time with the screen refresh rate, which may cause a noticeable change in brightness.
* MPRT is a gaming-optimised mode. Turning on MPRT may cause noticeable screen flickering. It is recommended to turn this mode off when you are not using the gaming function.
* The monitor may look different from feature images.
* The products and accessories listed on this leaflet may differ by country and region.

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