Philips
LCD monitor with
PowerSensor

B Line
24 (24.1" / 61.1 cm diag.)
1920 x 1200 (WUXGA)

240B9

Clear vision, beyond boundaries

Expand beyond boundaries with this 16:10 frameless design Philips B Line monitor. Loaded with features to improve productivity and sustainability, this monitor takes it to the next level.

Designed for sustainability
- PowerSensor saves up to 80% energy costs
- Zero power consumption with 0 watt hard switch
- 100% Recycled packing material

Excellent performance
- IPS technology for full colors and wide viewing angles
- 16:10 aspect ratio for more vertical screen height

Designed for the way you work
- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience
- HDMI ensures universal digital connectivity
- SmartErgoBase enables people-friendly ergonomic adjustments
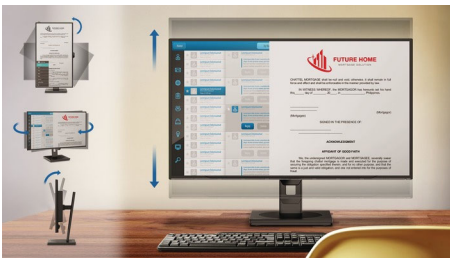- VESA mount allows for the perfect setup

PHILIPS

Highlights

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 - even in 90 degree Pivot mode! 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.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

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

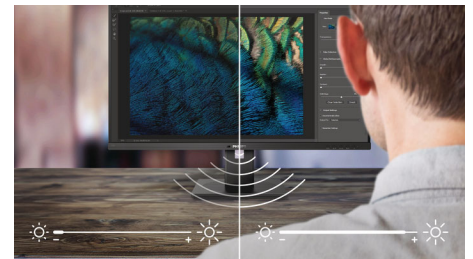An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and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

EasyRead mode

EasyRead mode for a paper-like reading experience

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

VESA mount

VESA pattern guarantees compatibility hundreds of innovative mounting solutions.

Zero power consumption

At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further

PowerSensor   Zero Power Switch   3-sided Frameless   Wide Viewing Angle   Flicker-free   LowBlue Mode   EasyRead   HDMI HIGH DEFINITION MULTIMEDIA INTERFACE   Built-in Speaker

Specifications

Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 24.1 inch / 61.1 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 518.4 (H) x 324 (V)
- Aspect ratio: 16:10
- Maximum resolution: 1920 x 1200 @ 75 Hz*
- Pixel Density: 93.95 PPI
- Response time (typical): 4 ms (Gray to Gray)*
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 50,000,000:1
- Pixel pitch: 0.27 x 0.27 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: 16.7M
- Color gamut (typical): NTSC 93%*, sRGB 109%*
- Scanning Frequency: 30 - 96 kHz (H) / 48 - 75 Hz (V)
- sRGB
- Flicker-free
- LowBlue Mode
- EasyRead

Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- HDCP: HDCP 1.4 (DP / HDMI)
- USB:: USB 3.2 x 1 (upstream), USB 3.2 x 4 (downstream with 1 fast charge B.C 1.2)
- Audio (In/Out): PC audio-in, Headphone out
- Sync Input: Separate Sync, Sync on Green

Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, PowerSensor, Menu, Power On/Off
- Control software: SmartControl
- 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

- Height adjustment: 150 mm
- Pivot: -/+ 90 degree
- Swivel: -/+ 175 degree
- Tilt: -5 ~ 30 degree

Power

- ECO mode: 10 W (typ.)
- On mode: 12.3 W (typ.) (EnergyStar test method)
- Standby mode: 0.3 W (typ.)
- Off mode: Zero watts with Zero switch
- Energy Label Class: D
- Power LED indicator: Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions

- Product with stand(max height): 533 x 545 x 216 mm
- Product without stand (mm): 533 x 360 x 60 mm
- Packaging in mm (WxHxD): 600 x 526 x 141 mm

Weight

- Product with stand (kg): 5.71 kg
- Product without stand (kg): 4.10 kg
- Product with packaging (kg): 8.35 kg

Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: PowerSensor, EnergyStar 8.0, EPEAT*, TCO Certified Edge, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
- Specific Substances: PVC / BFR free housing, Mercury free

Compliance and standards

- Regulatory Approvals: UKRAINIAN, EPA, CB, TUV/GS, TUV Ergo, SEMKO, CU-EAC, EAEU RoHS, CE Mark, FCC Class B, ICES-003

Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?

- Monitor with stand
- Cables: D-Sub cable, HDMI cable, DP cable, Power cable
- User Documentation

* "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.
* Response time value equal to SmartResponse
* NTSC Area based on CIE1976
* sRGB Area based on CIE1931
* EPEAT rating is valid only where Philips registers the product. Please visit https://www.epeat.net/ for registration status in your country.
* The monitor may look different from feature images.