

Philips Monitor  
LCD monitor

### V Line

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

241V8B



## Vivid and crisp imagery that pushes boundaries

This monitor gives an unmatched viewing experience. Not only is it equipped with essential features like IPS LED technology, but it also has ones that stand out like its 100hz refresh rate, 16:9 Full HD display, LowBlue Mode and VESA mount.

#### **Vivid pictures every time**

- IPS LED wide view technology for image and color accuracy
- 16:9 Full HD display for crisp detailed images
- 100Hz refresh rates for ultra-smooth images
- SmartContrast for rich black details
- SmartImage presets for easy optimized image settings
- Effortlessly smooth action with Adaptive-Sync technology

#### **Easy on the eyes**

- Less eye fatigue with Flicker-free technology
- LowBlue Mode for easy on-the-eyes productivity
- EasyRead mode for a paper-like reading experience

#### **Perfectly designed for your space**

- Compact design saves space

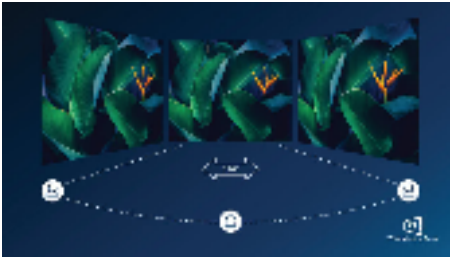
#### **Experience true multimedia**

- HDMI ensures universal digital connectivity

# PHILIPS

# Highlights

## IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 176/176 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.

## 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 colors expect a true to life picture.

## 100Hz 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 100Hz 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.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## EasyRead mode



EasyRead mode for a paper-like reading experience

## 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.

## Adaptive-Sync technology



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

## 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.

# 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 @ 100 Hz\*
- Pixel Density: 92.56 PPI
- Response time (typical): 4 ms (GtG)\*
- Brightness: 250 cd/m<sup>2</sup>
- Contrast ratio (typical): 1300:1
- SmartContrast: Mega Infinity DCR
- Pixel pitch: 0.2745 x 0.2745 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Display colors: 16.7 M (8 bit)
- Scanning Frequency: 30 - 115 kHz (H) / 48 - 100 Hz (V)
- LowBlue Mode
- EasyRead
- sRGB
- Adaptive sync

## Connectivity

- Signal Input: VGA (Analog), HDMI 1.4
- HDCP: HDCP 1.4 (HDMI)
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): Audio out

## Convenience

- User convenience: Power On/Off, Menu/OK, Brightness/UP, Input/Down, SmartImage/Back
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 11 / 10 / 8.1 / 8

## Stand

- Tilt: -5/20 degree

## Power

- On mode: 14.9 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand(max height): 540 x 416 x 220 mm
- Product without stand (mm): 540 x 322 x 51 mm
- Packaging in mm (WxHxD): 608 x 420 x 133 mm

## Weight

- Product with stand (kg): 3.17 kg
- Product without stand (kg): 2.79 kg
- Product with packaging (kg): 4.59 kg

## Operating conditions

- Temperature range (operation): 0°C to 40 °C
- Temperature range (storage): -20°C to 60 °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 30,000 (Excluded backlight) hour(s)

## Sustainability

- Environmental and energy: RoHS
- Recyclable packaging material: 100 %
- Specific Substances: Mercury free, PVC / BFR free housing

## Compliance and standards

- Regulatory Approvals: CECP, CCC, CEL, CB, CE Mark

## Cabinet

- Color: Black
- Finish: Textured

## Design

- Designed in Amsterdam, NL



Issue date 2023-05-14

Version: 2.1.1

12 NC: 8670 001 89947  
EAN: 69 51613 92437 2

© 2023 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)

\* The maximum resolution works for HDMI input only.  
\* Response time value equal to SmartResponse  
\* The monitor may look different from feature images.