

# PHILIPS

## LCD monitor

V Line

22 (21.5"/54.6 cm diag.)

1920 x 1080 (Full HD)

221V8



## Vivid, crisp images beyond boundaries

Philips V line wide-view monitor gives viewing beyond boundaries and great value with essential features. Adaptive-Sync provides flawless viewing without screen tearing. Features like LowBlue mode and flicker-free make it easy on the eyes.

### Perfectly designed for your space

- Compact design saves space
- VESA mount allows for flexibility

### Easy on the eyes

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

### Experience true multimedia

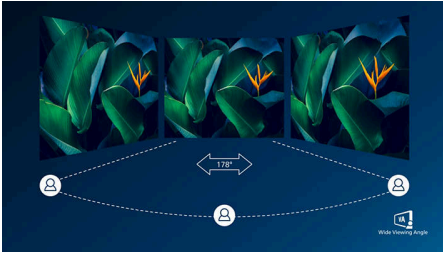
- HDMI-ready for Full HD entertainment

### Vivid pictures every time

- SmartContrast for rich black details
- 16:9 Full HD display for crisp, detailed images
- SmartImage pre-sets for easy optimised image settings
- VA display delivers awesome images with wide viewing angles
- Effortlessly smooth action with Adaptive-Sync technology

# 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.

## 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.

## 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.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your 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

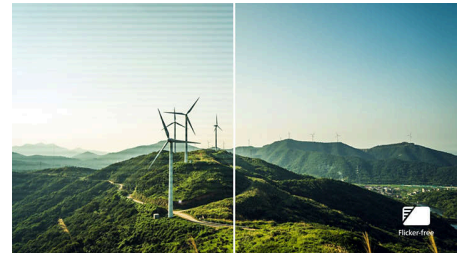
dynamically optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

## Adaptive-Sync technology



Gaming shouldn't be a choice between choppy gameplay or broken frames. Get fluid, artefact-free performance at virtually any frame rate 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.



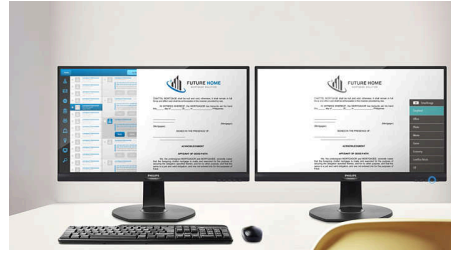
# Highlights

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

## EasyRead mode



EasyRead mode for a paper-like reading experience

## 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).



Wide Viewing Angle



SmartImage™



Adaptive -Sync



Flicker-free



LowBlue Mode

# Specifications

## Picture/Display

**Panel Size:** 21.5 inch/54.6 cm  
**Aspect ratio:** 16:9  
**LCD panel type:** VA LCD  
**Backlight type:** W-LED system  
**Pixel pitch:** 0.24825 x 0.24825 mm  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colours:** 16.7 M  
**Contrast ratio (typical):** 3000:1  
**SmartContrast:** Mega Infinity DCR  
**Response time (typical):** 4 ms (GtG)\*  
**Viewing angle:** 178° (H)/178° (V), @ C/R > 10  
**Picture enhancement:** SmartImage  
**Maximum resolution:** 1920 x 1080 @ 75 Hz\*  
**Effective viewing area:** 476.64 (H) x 268.11 (V)  
**Scanning Frequency:** 30–85 kHz (H) / 48–75 Hz (V)  
 sRGB  
 Flicker-free  
**Pixel Density:** 102 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-glare, 3H, Haze 25%  
 EasyRead  
 Adaptive sync

## Connectivity

**Signal Input:** VGA (Analogue), HDMI (digital, HDCP)  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** Audio out

## Convenience

**Plug and Play Compatibility:** DDC/CI, Mac OS X, sRGB, Windows 10/8.1/8/7  
**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 (100 x 100 mm)

## Stand

**Tilt:** -5/20 degree

## Power

**Power supply:** Built-in, 100–240 VAC, 50–60 Hz  
**Off mode:** < 0.3 W (typ.)  
**On mode:** 13.3 W (typ.) (EnergyStar test method)  
**Standby mode:** < 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode - White (flashing)  
**Energy Label Class:** E

## Dimensions

**Product with stand (mm):** 493 x 376 x 220 mm  
**Packaging in mm (W x H x D):** 570 x 436 x 109 mm  
**Product without stand (mm):** 493 x 294 x 45 mm

## Weight

**Product with packaging (kg):** 4.32 kg  
**Product with stand (kg):** 2.58 kg  
**Product without stand (kg):** 2.20 kg

## Operating conditions

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

## Sustainability

**Environmental and energy:** Energy Star 8.0, RoHS, Mercury Free  
**Recyclable packaging material:** 100 %

## Compliance and standards

**Regulatory Approvals:** CE Mark, CB, TUV/GS, TUV Ergo, CU-EAC, EPA, PSB, MEPS, RCM

## Cabinet

**Colour:** Black  
**Finish:** Textured

## What's in the box?

**Cables:** HDMI cable, Power cable  
**Monitor with stand**  
**User Documentation**

