

# PHILIPS

## LCD monitor

## Monitor

V Line

22 (21.5" / 54.6 cm diag.)

1920 x 1080 (Full HD)

221V8LB



## Vivid and crisp imagery that pushes boundaries

The Philips V monitor line provides essential features at a great value. With a 120Hz refresh rate and 16:9 Full HD display, this monitor provides a high-definition picture experience with crisp imagery.

### 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 ensures universal digital connectivity

### Vivid pictures every time

- SmartContrast for rich black details
- SmartImage presets for easy optimized image settings
- VA display delivers awesome images with wide viewing angles

### Good for Gaming

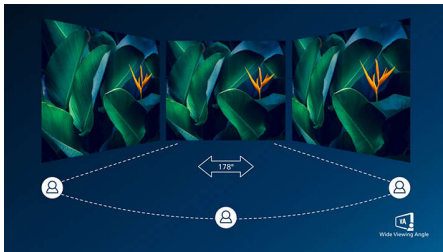
# Highlights

## Overclockable 120Hz refresh rate



With an overclockable 120 Hz refresh rate, less skipped frames are ensured. You can easily target the enemy in ultra-clear, smooth motion.

## VA display



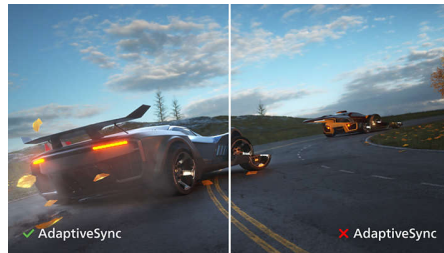
Philips VA LED display uses an advanced multi-domain vertical alignment technology which gives you super-high static contrast ratios for extra vivid and bright images. While standard office applications are handled with ease, it is especially suitable for photos, web-browsing, movies, gaming, and demanding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

## 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!

## 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.

## 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.



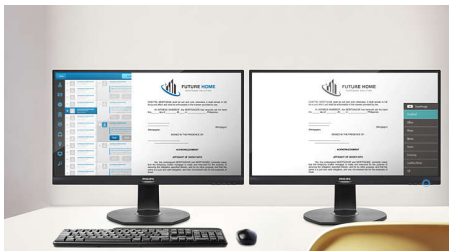
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## Highlights

### 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. 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).

### 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.



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## 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:** 0.2493 x 0.241 mm  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colors:** 16.7 M (8 bit)  
**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 @ 120 Hz (Overclock) \*  
**Effective viewing area:** 478.656 (H) x 260.28 (V)  
**Scanning Frequency:** 30k - 140 kHz (H) / VGA 48 - 60 Hz (V), HDMI 48-120 Hz  
**sRGB**  
**Flicker-free**  
**Pixel Density:** 102.46 PPI  
**LowBlue Mode**  
**Display Screen Coating:** Anti-glare, 3H, Haze 25%  
**MPRT:** 1ms  
**EasyRead**  
**Adaptive sync**

### Connectivity

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

### Convenience

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

### Stand

**Tilt:** -5/20 degree

### Power

**Power supply:** Built-in, 100-240VAC, 50-60Hz  
**Off mode:** 0.3 W (typ.)  
**On mode:** 14.8 W (typ.)  
**Standby mode:** 0.5 W (typ.)  
**Power LED indicator:** Operation - White, Standby mode- White (blinking)

### Dimensions

**Product with stand (mm):** 493 x 369 x 220 mm  
**Packaging in mm (WxHxD):** 570 x 436 x 109 mm  
**Product without stand (mm):** 493 x 286 x 44 mm

### Weight

**Product with packaging (kg):** 4.35 kg  
**Product with stand (kg):** 2.63 kg  
**Product without stand (kg):** 2.23 kg

### Operating conditions

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

### Sustainability

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

### Compliance and standards

**Regulatory Approvals:** CB, CE Mark, cETLus, FCC Class B, ICES-003, BSMI

### Cabinet

**Color:** Black  
**Finish:** Textured



\* The maximum resolution works for HDMI input only.  
\* Response time value equal to SmartResponse  
\* The products and accessories listed on this leaflet may differ by country and region.  
\* The Overclock function increases the native refresh rate, however, it does have some associated risks along with it. If the screen is displayed abnormally after rebooting, please switch off the Overclock setting located in the monitor's OSD menu.  
\* The monitor may look different from feature images.  
\* The products and accessories listed on this leaflet may differ by country and region.