

# PHILIPS

## LCD monitor

### Monitor

V Line

22 (21.5" / 54.6 cm diag.)

1920 x 1080 (Full HD)

221V8A



## Vivid, crisp images beyond boundaries

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

### Perfectly designed for your 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

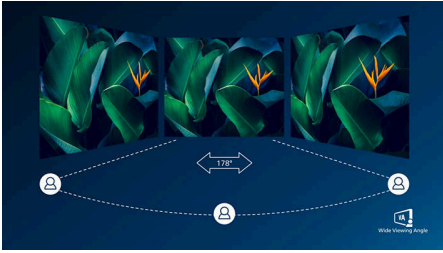
- Built-in speakers for audio without desktop clutter
- HDMI-ready for Full HD entertainment

### Vivid pictures every time

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

# Highlights

## 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.

## 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.

## 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.

## SmartImage



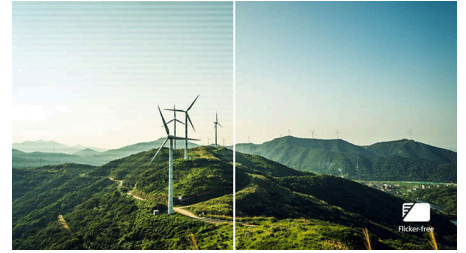
SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based 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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221V8A/70

## 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).

### Built-in speakers



A pair of stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.



Built-in Speaker

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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:** 0.24825 x 0.24825 mm  
**Brightness:** 250 cd/m<sup>2</sup>  
**Display colors:** 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 (VRR)**

### Connectivity

**Signal Input:** VGA (Analog), HDMI (digital, HDCP)  
**Sync Input:** Separate Sync, Sync on Green  
**Audio (In/Out):** PC audio-in, Headphone out

### Convenience

**Built-in Speakers:** 2 W x 2  
**Plug & 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 (100x100mm)

### Stand

**Tilt:** -5/20 degree

### Power

**Power supply:** Built-in, 100-240VAC, 50-60Hz  
**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 (blinking)

### Dimensions

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

### Weight

**Product with packaging (kg):** 4.35 kg  
**Product with stand (kg):** 2.58 kg  
**Product without stand (kg):** 2.20 kg

### Operating conditions

**Altitude:** Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)  
**Temperature range (operation):** 0°C to 40 °C  
**MTBF:** 50,000 (Excluded backlight) hour(s)  
**Relative humidity:** 20%-80 %  
**Temperature range (storage):** -20°C to 60 °C

### Sustainability

**Environmental and energy:** EnergyStar 8.0, RoHS  
**Recyclable packaging material:** 100 %  
**Specific Substances:** Mercury free, PVC / BFR free housing

### Compliance and standards

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

### Cabinet

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

