PHILIPS

# LCD monitor

V Line

22 (21.5" / 54.6 cm diag.)

1920 x 1080 (Full HD)

221V8L

## 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

- 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

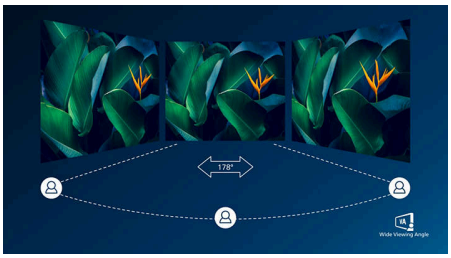
- HDMI ensures universal digital connectivity

### Vivid pictures every time

- SmartContrast for rich black details
- 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.

Wide Viewing Angle

Full HD 1080p

SmartImage™

Adaptive -Sync

Flicker-free

LowBlue Mode

EasyRead

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

# 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, 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. 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).

VESA Mount

# 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/m²
Display colors: 16.7 M
Contrast ratio (typical): 3000:1
SmartContrast: Mega Infinity DCR
Response time (typical): 4 ms (GtG)*
Viewing angle: 178º (H) / 178º (V), @ C/R > 10
Picture enhancement: SmartImage
Maximum resolution: 1920 x 1080 @ 75 Hz*
Effective viewing area: 478.656 (H) x 260.28 (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 1.4
Sync Input: Separate Sync, Sync on Green
Audio (In/Out): Audio out

### Convenience
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 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): 4.34 kg
Product with stand (kg): 2.69 kg
Product without stand (kg): 2.30 kg

### Operating conditions
Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
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: EnergyStar 8.0, RoHS, Mercury Free
Recyclable packaging material: 100 %

### Compliance and standards
Regulatory Approvals: CB, CE Mark, cETLus, FCC Class B, ICES-003, PSB

### Cabinet
Color: Black
Finish: Textured

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