PHILIPS

LCD monitor

V Line

22 (21.5" / 54.6 cm diag.)

1920 x 1080 (Full HD)

221V8LB

Vivid, crisp images beyond 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

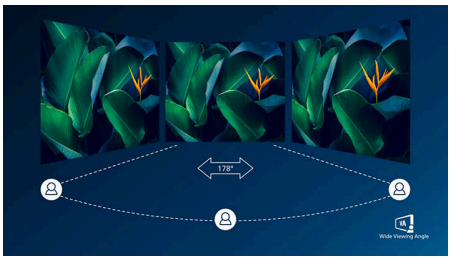
Good for Gaming

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.

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.

120Hz Overclock
Wide Viewing Angle
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 (8 bit)
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 @ 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 PPI
LowBlue Mode
Display Screen Coating: Anti-glare, 3H, Haze 25%
MPRT: 1 ms
EasyRead
Adaptive sync (VRR)

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, 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: 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 °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: RoHS
Recyclable packaging material: 100 %

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

Cabinet
Color: Black
Finish: Textured

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* 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.