Philips
LCD monitor

B Line
22 (21.5" / 54.6 cm diag.)
Full HD (1920 x 1080)

221B8LJEB

Clear image, efficient performance

for maximum productivity

Get your best work done with the Philips 22" Full HD monitor. Crisp and vivid Full HD gives you the space and clarity to see your work. Features like height-adjustment, Flicker-free and LowBlue mode make work easy-on-the eyes.

Brilliant performance
- SmartImage presets for easy optimized image settings
- 16:9 Full HD display for crisp detailed images

Designed for comfortable productivity
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology
- SmartErgoBase enables people-friendly ergonomic adjustments
- EasyRead mode for a paper-like reading experience

Features for the way you work
- Built-in stereo speakers for multimedia
- HDMI ensures universal digital connectivity
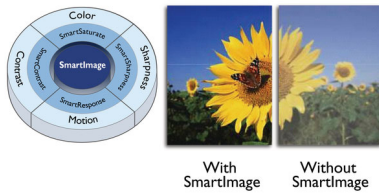- SmartConnect with DisplayPort, HDMI and VGA connections

Sustainable Eco-design
- 85% post consumer recycled plastics with TCO Edge
- Zero power consumption with 0 watt hard switch

PHILIPS

Highlights

SmartImage

With SmartImage   Without 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!

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.

LowBlue Mode

Low Blue 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.

Flicker-free technology

FlickerFree

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.
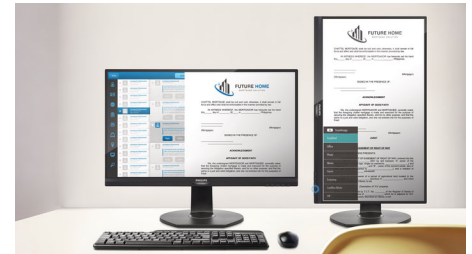
SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical

strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

EasyRead mode

EasyRead mode for a paper-like reading experience

Built-in stereo speakers

A pair of high quality 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.

HDMI Ready

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).

SmartConnect

With a plethora of connectivity, these Philips displays come equipped with multi connections like VGA, Display Port, universal HDMI connector, enabling you to enjoy high resolution uncompressed video and audio content. USB connections ensures that you can have super speed data transfers while having global connectivity. Regardless of what source you use, you can rest assured that this Philips display will ensure your investment is not made obsolete any time soon!

LED   SmartImage™   Full HD 1080p   LowBlue Mode   Flicker-free   SmartErgo Base   EasyRead   Built-in Speaker   SmartConnect

Specifications

Picture/Display

- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Panel Size: 21.5 inch / 54.6 cm
- Display Screen Coating: Anti-Glare, 3H, Haze 25%
- Effective viewing area: 476.64 (H) x 268.11 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60Hz
- Pixel Density: 102 PPI
- Response time (typical): 1 ms (Gray to Gray)*
- Brightness: 250 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast: 20,000,000:1
- Pixel pitch: 0.248 x 0.248 mm
- Viewing angle: 170° (H) / 160° (V), @ C/R > 10
- Flicker-free
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Color gamut (typical): NTSC 72% (CIE1931)
- Scanning Frequency: 30 - 83 kHz (H) / 50 - 76 Hz (V)
- sRGB
- EasyRead
- LowBlue Mode
- Adaptive sync

Connectivity

- Signal Input: VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4
- USB: USB 2.0 x 4
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

Convenience

- Built-in Speakers: 2 W x 2
- User convenience: SmartImage, Input, Brightness, Menu, Power On/Off
- Control software: SmartControl
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukranian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7

Stand

- Height adjustment: 130 mm
- Pivot: -/+ 90 degree
- Swivel: -175/+175 degree
- Tilt: -5/30 degree

Power

- ECO mode: 8.8 W (typ.)
- On mode: 14.2 W (typ.) (EnergyStar 7.0 test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: Zero watts with Zero switch
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: Built-in, 100-240VAC, 50-60Hz

Dimensions

- Product with stand(max height): 504 x 477 x 206 mm
- Product with stand(max height): 19.8 x 18.8 x 8.1 inch
- Product without stand (mm): 504 x 304 x 47 mm
- Product without stand in inch: 19.8 x 12.0 x 1.9 inch
- Packaging in mm (WxHxD): 565 x 490 x 184 mm
- Packaging in inch (WxHxD): 22.2 x 19.3 x 7.2 inch

Weight

- Product with stand (kg): 4.55 kg
- Product with stand (lb): 10.01 lb
- Product without stand (kg): 2.65 kg
- Product without stand (lb): 5.83 lb
- Product with packaging (kg): 6.81 kg
- Product with packaging (lb): 14.98 lb

Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

Sustainability

- Environmental and energy: EnergyStar 7.0, EPEAT Gold*, TCO Certified Edge, RoHS, WEEE
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 85%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, PSB, EPA, UKRAINIAN, ICES-003, TUV Ergo, TUV/GS, TUV/ISO9241-307

Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture

What's in the box?

- Monitor with stand
- Cables: D-Sub cable, HDMI cable, DP cable, USB cable, Audio cable, Power cable
- User Documentation

* EPEAT rating is valid only where Philips registers the product. Please visit https://epeat.sourcemap.com/ for registration status in your country.
* Response time value equal to SmartResponse
* The monitor may look different from feature images.