Philips Brilliance
LCD monitor with
SmartImage

B Line
19" (48.3 cm)
1280 x 1024 (SXGA)

19B4QCB5

Sustainable productivity

with an energy efficient ergonomic LED display

The Philips LED display using 85% recycled materials and PVC, BFR free housing is ideal for eco-friendly productivity

Excellent performance

- Built-in stereo speakers for multimedia
- Less eye fatigue with Flicker-free technology
- IPS technology for full colors and wide viewing angles
- SmartImage presets for easy optimized image settings
- SmartContrast 20000000:1 for incredible rich black details

Designed for people

- Low bezel-to-table height for maximum reading comfort
- SmartErgoBase enables people-friendly ergonomic adjustments

Sustainable Eco-design

- SmartPower: Up to 50% power saving
- PVC-BFR free housing
- 100% recyclable packaging

PHILIPS

Highlights

IPS technology

IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

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.
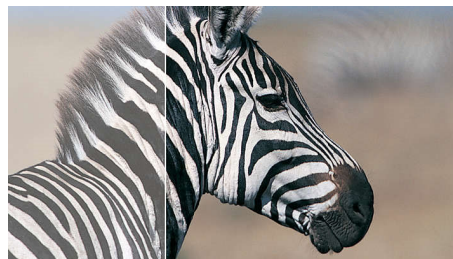
SmartImage

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!

SmartContrast ratio 20000000:1

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.
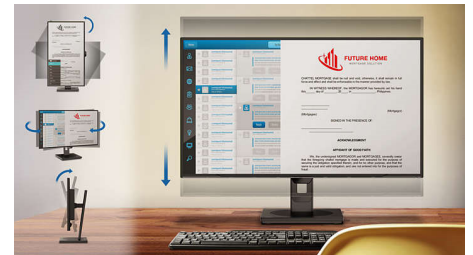
Built-in stereo speakers

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.

Low bezel-to-table height

The Philips monitor, thanks to its advanced SmartErgoBase, can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base can swivel, tilt and rotate to various angles to ensure maximum comfort. The height adjustable stand guarantees the optimal viewing level, reducing the physical strains of a long workday, while cable management reduces cable clutter and keeps the workspace neat and professional.

SmartPower

SmartPower is an artificial intelligent technology which dynamically analyzes the content of the screen image to achieve power saving. The backlight intensity can be controlled automatically and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs

Specifications

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

Picture/Display
- Panel Size: 19 inch / 48.3 cm
- Aspect ratio: 5:4
- LCD panel type: IPS technology
- Backlight type: W-LED system
- Pixel pitch: 0.2928 x 0.2928 mm
- Optimum resolution: 1280 x 1024 @ 60 Hz
- Brightness: 250 cd/m²
- Display colors: 16.7 M
- Contrast ratio (typical): 1,000:1
- SmartContrast: 20,000,000:1
- Response time (typical): 5 ms (Gray to Gray)*
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Effective viewing area: 374.78 (H) x 299.83 (V)
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- sRGB
- Flicker-free

Convenience
- Built-in Speakers: 1.5W x 2
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- User convenience: SmartImage, Volume, SmartPower, Menu, Power On/Off
- 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, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Control software: SmartControl

Stand
- Height adjustment: 110 mm
- Pivot: 90 degree
- Swivel: -65/65 degree
- Tilt: -5/20 degree

Power
- Power supply: 100-240VAC, 50-60Hz, Built-in
- Off mode: <0.3 W (typ.)
- On mode: 17.33 W (typ.)
- Standby mode: <0.3 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)

Dimensions
- Packaging in mm (WxHxD): 460 x 448 x 159 mm
- Product without stand (mm): 404 x 346 x 61 mm
- Packaging in inch (WxHxD): 18.1 x 17.6 x 6.3 inch
- Product without stand in inch: 15.9 x 13.6 x 2.4 inch
- Product with stand(max height): 404 x 506 x 227 mm
- Product with stand(max height): 15.9 x 19.9 x 8.9 inch

Weight
- Product with packaging (kg): 6.48 kg
- Product with stand (kg): 4.61 kg
- Product with packaging (lb): 14.26 lb
- Product with stand (lb): 10.14 lb
- Product without stand (kg): 2.71 kg
- Product without stand (lb): 5.96 lb

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

Sustainability
- Environmental and energy: TCO Certified, RoHS
- Recyclable packaging material: 100 %
- Specific Substances: PVC / BFR free housing, Mercury free
- Recycled material: 85%

Compliance and standards
- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, TUV Ergo, TUV/GS, WEEE, CU, PSB, RCM

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

* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.
* Response time value equal to SmartResponse