LCD monitor, LED backlight with PowerSensor

• B Line
• 22" (55.9 cm)
• 1680 x 1050

220B4LPYCG/00

Sustainable eco design display

with PowerSensor saves energy bills

The Philips PowerSensor LED display using 65% post-consumer recycled plastics and PVC, BFR free housing is ideal for eco-friendly productivity

Benefits

Sustainable Eco-design

• PowerSensor saves up to 80% energy costs
• 65% post-consumer recycled plastics with TCO Edge
• PVC-BFR free housing
• Zero power consumption with 0 watt hard switch

Excellent performance

• LED technology ensures natural colours
• DisplayPort offers audio and video over a single, long cable
• Built-in stereo speakers for multimedia

Designed for people

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

Easy to experience

• USB Hub with 2 ports for easy connections
• SmartImage pre-sets for easy optimised image settings

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Features

LED technology

White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content, which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

PowerSensor

PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if the user is present and then automatically reduces monitor brightness when then user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

DisplayPort

DisplayPort is a digital link from PC to monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15 metre cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates — making DisplayPort the best choice for not only general office or home use, but also for the more demanding gaming and films, video editing and more. It also keeps interoperability in mind via the use of various adapters.

SmartErgoBase

The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The user-friendly height, swivel, tilt and rotation angle adjustments of the base allow the monitor to be positioned for maximum comfort to help ease the physical strains of a long workday. In addition, cable management reduces cable clutter and keeps the workspace neat and professional.

Low bezel-to-table height

Thanks to its advanced SmartErgoBase, the Philips monitor 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 users of different heights to use the monitor at their preferred angle and height settings, helping them to reduce fatigue and strain.
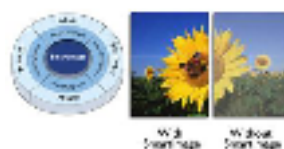
Built-in stereo speakers

A pair of high-quality stereo speakers built into a display device. They may be visible front firing, or invisible down firing, top firing, rear firing etc. depending on model and design.

2 Ports USB 2.0 HUB

USB Hub allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which have USB connection available. The conveniently located USB 2.0 Hub on the monitor allows USB 2.0 signals to pass through to the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB Hub can provide.

SmartImage

SmartImage is an exclusive leading edge Philips technology that analyses the content displayed on your screen and optimises your 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 optimises the contrast, colour saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time at the touch of a single button!

TCO Edge

TCO Edge certification is given to products that go beyond existing eco-labelling programmes. Over and above standard TCO requirements, it further mandates that the product uses a minimum of 65% post-consumer recycled plastics, is energy efficient, uses minimal hazardous materials, has 100% recyclable packaging and, amongst other requirements, is designed for easy recycling. You can rest assured that this Philips monitor is a cutting edge technology product, which is best in class ICT, benefitting you and the planet while helping you make a responsible green IT purchase!

PVC-BFR free housing

This Philips monitor housing is free from brominated flame retardant and polyvinyl chloride (PVC-BFR free)

Zero power consumption

At the flick of the 0 watt hard switch, which is conveniently located at the back of the monitor, you can completely cut off your monitor from AC power. This results in zero power consumption, reducing your carbon footprint even further

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

LCD panel type	TFT-LCD
Backlight type	W-LED system
Panel Size	22 inch/55.9 cm
Effective viewing area	473.76 (H) x 296.1 (V)

Aspect ratio	16:10
Optimum resolution	1680 x 1050 @ 60 Hz
Response time (typical)	5 ms
Brightness	250 cd/m²

data subject to change
2018, October 26

Contrast ratio (typical)	1000:1		Power supply	Built-in 100-240 VAC, 50-60 Hz
SmartContrast	20,000,000:1			
Pixel pitch	0.282 x 0.282 mm			
Viewing angle	170° (H)/160° (V) @ C/R > 10			

Dimensions

Picture enhancement	SmartImage
Display colours	16.7 M
Scanning Frequency	30–83 kHz (H)/56–75 Hz (V)
sRGB	Yes

Product with stand (mm)	504 x 509 x 227 mm
Product without stand (mm)	504 x 349 x 59 mm
Packaging in mm (W x H x D)	565 x 391 x 186 mm

Connectivity

Signal Input	DisplayPort DVI-D (digital, HDCP) VGA (Analogue)
USB	USB 2.0 x 2
Sync Input	Separate Sync Sync on Green
Audio (In/Out)	PC audio-in Headphone out

Weight

Product with stand (kg)	5.20 kg
Product without stand (kg)	3.38 kg
Product with packaging (kg)	7.05 kg

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: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF	30,000 hour(s)

Convenience

Built-in Speakers	1.5 W x 2
User convenience	SmartImage Volume PowerSensor Menu Power On/Off
OSD Languages	Brazil Portuguese Czech Dutch English French Finnish German Greek Hungarian Italian Japanese Korean Portuguese Polish Russian Simplified Chinese Spanish Swedish Traditional Chinese Turkish Ukrainian
Other convenience	Kensington lock VESA mount (100 x 100 mm)
Plug and Play Compatibility	DDC/CI Mac OS X sRGB Windows 8.1 / 8 / 7

Sustainability

Environmental and energy	PowerSensor EnergyStar 7.0 EPEAT Gold* TCO edge RoHS
Recyclable packaging material	100 %
Post-consumer recycled plastic	65%
Specific Substances	PVC/BFR free housing Mercury free Lead free

Compliance and standards

Regulatory Approvals	CE Mark FCC Class B SEMKO cETLus BSMI CU-EAC EPA TUV/GS TUV Ergo UKRAINIAN WEEE

Stand

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

Cabinet

Front bezel	Grey
Rear cover	Grey
Foot	Grey
Finish	Texture

Power

ECO mode	11.4 W (typ.)
On mode	14.61 W (typ.) (EnergyStar 7.0 test method)
Standby mode	0.3 W (typ.)
Off mode	Zero watts with Zero switch
Power LED indicator	Operation - White Standby mode - White (flashing)

What's in the box?

Monitor with stand	Yes
Cables	VGA, DVI, Audio, Power
User Documentation	Yes

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