PHILIPS

Philips 2000 series 24B2N2200/00 computer monitor 60.5 cm (23.8") 1920 x 1080 pixels Full HD LCD Black



Brand : Philips **Product family:** 2000 series **Product code:** 24B2N2200/00

Product name : 24B2N2200/00

Business Monitor 24B2N2200 LCD monitor

Philips 2000 series 24B2N2200/00 computer monitor 60.5 cm (23.8") 1920 x 1080 pixels Full HD LCD Black:

This monitor delivers business efficiency. Not only is it equipped with essential features, but it also has ones that stand out like its 120hz refresh rate, SoftBlue, Flicker-Free, VESA mount, and more.
Philips 2000 series 24B2N2200/00. Display diagonal: 60.5 cm (23.8"), Display resolution: 1920 x 1080 pixels, HD type: Full HD, Display technology: LCD, Response time: 4 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). VESA mounting. Product colour: Black



Display	
Display diagonal *	60.5 cm (23.8")
Display resolution *	1920 x 1080 pixels
HD type *	Full HD
Native aspect ratio *	16:9
Display technology *	LCD
Panel type *	IPS
LED backlight	✔
Backlight type	W-LED
Touchscreen *	✘
Display brightness (typical)	350 cd/m²
Response time *	4 ms
Response time measurement type	GTG (Gray to Gray)
Anti-glare screen	✔
Screen shape *	Flat
Contrast ratio (typical) *	1500:1
Contrast ratio (dynamic)	50000000:1
Dynamic contrast ratio marketing name	SmartContrast
Maximum refresh rate *	120 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	16.7 million colours
Pixel pitch	0.2745 x 0.2745 mm
Pixel density	93 ppi
Horizontal scan range	30 - 85 kHz
Vertical scan range	48 - 75 Hz
Viewable size, horizontal	52.7 cm
Viewable size, vertical	29.6 cm
Digital horizontal frequency	30 - 140 kHz

Ergonomics	
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✘
Tilt adjustment	✔
Tilt angle range	-5 - 25°
On Screen Display (OSD)	✔
On Screen Display (OSD) languages	Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
Number of OSD languages	21
Plug and Play	✔
LED indicators	Operation, Stand-by

Power	
Energy efficiency class (SDR) *	B
Energy efficiency class (HDR) *	Not available
Energy consumption (SDR) per 1000 hours *	9 kWh
Power consumption (typical) *	11.42 W
Power consumption (standby) *	0.3 W
Power consumption (off)	0.3 W
Power consumption (PowerSave)	8.2 W
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power supply type	Internal
Energy efficiency scale	A to G

Display	
Digital vertical frequency	48 - 120 Hz
Display diagonal (metric)	60.47 cm
DDC/CI	✔
Haze rate	25%
Surface hardness	3H
Colour depth	8 bit
Colour gamut standard	sRGB, NTSC
Colour gamut	96%
sRGB coverage (typical)	110%
NTSC coverage (typical)	96%
Display sRGB	✔
Display panel size	23.8 inch/60.47 cm

Performance	
NVIDIA G-SYNC *	✘
AMD FreeSync *	✘
VESA Adaptive Sync support	✔
Component video sync	Separate Sync, Sync-on-green (SOG)
Flicker-free technology	✔
Low Blue Light technology	✔

Multimedia	
Number of speakers	2
RMS rated power	4 W
Built-in speaker(s) *	✔
Built-in camera *	✘

Design	
Market positioning *	Business
Product colour *	Black
Front bezel colour	Black
Feet colour	Black

Ports & interfaces	
Built-in USB hub *	✘
VGA (D-Sub) ports quantity	1
HDMI *	✔
HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort out version	1.2
Audio input	✔
Audio output	✔
HDCP	✔
HDCP version	1.4

Ergonomics	
VESA mounting *	✔
Panel mounting interface	100 x 100 mm

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Operating altitude	0 - 3658 m
Non-operating altitude	0 - 12192 m

Weight & dimensions	
Width (with stand)	542 mm
Depth (with stand)	181 mm
Height (with stand)	425 mm
Weight (with stand)	2.91 kg
Width (without stand)	542 mm
Depth (without stand)	46 mm
Height (without stand)	320 mm
Weight (without stand)	2.63 kg

Packaging data	
Package width	600 mm
Package depth	123 mm
Package height	420 mm
Package weight	4.9 kg

Packaging content	
Stand included	✔
Manual	✔
Bundled software	SmartControl

Sustainability	
Sustainability certificates	ENERGY STAR, EPEAT
Doesn't contain	Mercury, PVC/BFR

Other features	
Compatible operating systems	DDC/CI, Mac OS X, sRGB, Windows 11 / 10
Exterior finish type	Textured
Monitor sync input signal	Separate Sync, Sync on Green
User controls	SmartImage, Input, Brightness, Menu, Power On/Off
Picture enhancement	SmartImage
Regulatory Approvals	CB, CE Mark, TUV/GS, TUV Ergo, TCO Certified, TCO Certified Edge, EAC, EAC ROHS, MEPS, PSB, UKCA, EMF, FCC, ICES-003, TÜV Rheinland Low Blue Light (Hardware Solution), eyesafe® CERTIFIED 2.0
Heavy metals free	Hg (mercury)
SoftBlue	✔
Adaptive synchronisation	✔
EasyRead mode	✔
LowBlue mode	✔
Compliance certificates	RoHS, TÜV mark
Mean time between failures (MTBF)	70000 h

Recycling data	
Packaging recyclability rate	100%
Product post-consumer recycled plastic	85%

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