

Philips Evnia 5000 27M2N5500/00, 68.6 cm (27"), 2560 x 1440 pixels, Quad HD, LCD, 1 ms, Black

Fast IPS Gaming monitor 27M2N5500 Quad HD gaming monitor

Group	Flat Screens
Manufacturer	Philips
Manufacturer item no.	27M2N5500/00
EAN/UPC	8712581809645



Description

This monitor is equipped for any game. With its 0.5ms Smart MBR, 180Hz refresh rate, and Quad HD resolution, it is made to bring gamers an all-around and visually pleasing gaming experience.

Main features

	General
Display diagonal	68.6 cm
Display resolution	2560 x 1440 pixels
HD type	Quad HD
Display technology	LCD
Response time	1 ms
Native aspect ratio	16:9
Viewing angle, horizontal	178 °
Viewing angle, vertical	178 °
VESA mounting	Yes
Height adjustment	Yes
Product colour	Black

Extended details

	Display
Display diagonal	68.6 cm
Display resolution	2560 x 1440 pixels
Native aspect ratio	16:9
Display technology	LCD
Touchscreen	No
HD type	Quad HD
Panel type	Fast IPS

LED backlight	Yes
Backlight type	W-LED
Display brightness (typical)	350 cd/m ²
Response time	1 ms
Anti-glare screen	Yes
Screen shape	Flat
Contrast ratio (typical)	1200:1
Dynamic contrast ratio marketing name	Mega Infinity DCR
Maximum refresh rate	170 Hz
Viewing angle, horizontal	178 °
Viewing angle, vertical	178 °
Display number of colours	1.07 billion colours
Response time (fast)	0.5 ms
Pixel pitch	0.233 x 0.233 mm
Pixel density	108.79 ppi
Horizontal scan range	30 - 280 kHz
Vertical scan range	48 - 144 Hz
Viewable size, horizontal	59.7 cm
Viewable size, vertical	33.6 cm
Digital horizontal frequency	30 - 230 kHz
Digital vertical frequency	48 - 144 Hz
Display diagonal (metric)	68.5 cm
High Dynamic Range (HDR) supported	Yes
High Dynamic Range (HDR) technology	DisplayHDR 400
DDC/CI	Yes
Haze rate	25 %
Surface hardness	3H
Colour depth	8 bit
Colour gamut standard	sRGB
Colour gamut	93.5 %
sRGB coverage (typical)	125 %
Adobe RGB coverage	89 %
Display sRGB	Yes
	Performance
NVIDIA G-SYNC	Yes
AMD FreeSync	Yes

Fast charging	Yes
Component video sync	Separate sync
Flicker-free technology	Yes
Low Blue Light technology	Yes
Design	
Market positioning	Gaming
Product colour	Black
Multimedia	
Built-in speaker(s)	No
Built-in camera	No
Ergonomics	
VESA mounting	Yes
Panel mounting interface	100 x 100 mm
Cable lock slot	Yes
Cable lock slot type	Kensington
Height adjustment	Yes
Adjustable height (max)	13 cm
Pivot	Yes
Pivot angle	-90 - 90 °
Swivelling	Yes
Swivel angle range	-45 - 45 °
Tilt adjustment	Yes
Tilt angle range	-5 - 20 °
On Screen Display (OSD)	Yes
On Screen Display (OSD) languages	Simplified Chinese, Traditional Chinese, Czech, German, Dutch, English, Spanish, Finnish, French, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian
Number of OSD languages	21
Plug and Play	Yes
LED indicators	Operation, Stand-by
Other features	
Low input lag	Yes
Compatible operating systems	Mac OS X Windows 11/10
Exterior finish type	Textured
Recyclable packaging material	100 %
Heavy metals free	Hg (mercury)
EasyRead mode	Yes
LowBlue mode	Yes
Philips SmartUniformity	93 - 105 %

Compliance certificates	RoHS
Mean time between failures (MTBF)	50000 h
Picture enhancement	SmartImage game
Regulatory Approvals	CB, CCC, CECP, CEL, CE Mark, TUV-BAUART, EAC, MEPS, PSB, BSMI, EMF, FCC, ICES-003, TUV/ISO9241-307, UKCA
Delta E	2
Adaptive synchronisation	Yes
Ports & interfaces	
HDMI	Yes
HDMI ports quantity	2
HDMI version	2.0
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone out	Yes
HDCP	Yes
HDCP version	2.2
Packaging content	
Stand included	Yes
Cables included	AC, DisplayPort, HDMI
Manual	Yes
Weight & dimensions	
Width (with stand)	614 mm
Depth (with stand)	261 mm
Height (with stand)	519 mm
Weight (with stand)	5.68 kg
Width (without stand)	614 mm
Depth (without stand)	60 mm
Height (without stand)	368 mm
Weight (without stand)	3.86 kg
Packaging data	
Package width	730 mm
Package depth	188 mm
Package height	478 mm
Package weight	9.32 kg
Power	
Energy efficiency class (SDR)	E
Power consumption (typical)	37.8 W
Power consumption (standby)	0.5 W

Power consumption (off)	0.3 W
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Power supply type	Internal
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
Sustainability	
Doesn't contain	Mercury, PVC/BFR
Sustainability compliance	Yes