PHILIPS

Philips Evnia 3000 27M2N3800A/00 computer monitor 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD LCD Black



Brand : Philips

Product family: Evnia

Product code:
27M2N3800A/00

Product name :
27M2N3800A/00



- Stark ShadowBoost: for enhancing visibility in dark scenes
- Smart Sniper: Improved control when you zoom in on targets
- Evnia Precision Center: Maximize Your Gaming Experience
- SmartImage game mode optimized for gamers
- Built-in stereo speakers for multimedia
- MultiView enables simultaneous dual connection and view
- LowBlue mode and Flicker-free easy-on-the eyes viewing
- Smart Crosshair: for better aim and more fun
- Dual Mode: The flexibility to match your gameplay
- 320Hz refresh rates for silky-smooth and vivid ima
- 0.5 ms ultra-fast speed for crisp image and smooth gameplay
- Certified NVIDIA® G-SYNC® compatible for smooth fast gaming

Fast IPS Gaming monitor 27M2N3800A DUAL MODE gaming monitor

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Unlock next-level gaming with this Evnia monitor’s Dual Mode. Seamlessly switch between 3840 x 2160 @ 160Hz and 1920 x 1080 @ 320Hz with a simple toggle for unmatched versatility and performance.



Display	
Display diagonal *	68.6 cm (27")
Display resolution *	3840 x 2160 pixels
HD type *	4K Ultra HD
Native aspect ratio *	16:9
Display technology *	LCD
Panel type *	Fast IPS
LED backlight	✔
Backlight type	W-LED
Touchscreen *	✘
Display brightness (peak)	450 cd/m²
Display brightness (typical)	350 cd/m²
Response time *	1 ms
Response time measurement type	GTG (Gray to Gray)
Anti-glare screen	✔
Screen shape *	Flat
Supported graphics resolutions	1920 x 1080 (HD 1080), 3840 x 2160
Contrast ratio (typical) *	1000:1
Dynamic contrast ratio marketing name	Mega Infinity DCR
Maximum refresh rate *	320 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	1.07 billion colours
SmartResponse	0.5 ms
Pixel pitch	0.1554 x 0.1554 mm
Pixel density	163 ppi
Horizontal scan range	30 - 360 kHz
Vertical scan range	48 - 320 Hz

Ergonomics	
Adjustable height (max)	13 cm
Pivot	✔
Pivot angle	-90 - 90°
Swivelling	✔
Tilt adjustment	✔
Tilt angle range	-5 - 20°
Picture-in-Picture	✔
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) *	F
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	25 kWh
Energy consumption (HDR) per 1000 hours *	45 kWh
Power consumption (typical) *	25.65 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

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Display

Viewable size, horizontal	59.7 cm
Viewable size, vertical	33.6 cm
Display diagonal (metric)	68.5 cm
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	High Dynamic Range (HDR) 400
DDC/CI	✔
Haze rate	25%
Surface hardness	3H
Colour depth	8 bit
Colour gamut standard	sRGB, NTSC, DCI-P3, Adobe RGB
sRGB coverage (typical)	130%
NTSC coverage (typical)	110%
Adobe RGB coverage	90%
DCI-P3 coverage	95%
Display sRGB	✔
Display panel size	27 inch / 68.5 cm

Performance

VESA Adaptive Sync support	✔
Component video sync	Separate Sync
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 *	Gaming
Product colour *	Black
Colour name	Graphite

Ports & interfaces

Built-in USB hub *	✘
HDMI *	✔
HDMI ports quantity	2
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone out *	✔
HDCP	✔
HDCP version	2.3

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔

Power

Power supply type	Internal
Energy efficiency scale	A to G

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)	614 mm
Depth (with stand)	261 mm
Height (with stand)	519 mm
Weight (with stand)	5.6 kg
Width (without stand)	614 mm
Depth (without stand)	85 mm
Height (without stand)	368 mm
Weight (without stand)	3.75 kg

Packaging data

Package width	730 mm
Package depth	139 mm
Package height	455 mm
Package weight	8.33 kg

Packaging content

Stand included	✔
Cables included	AC, DisplayPort, HDMI
Manual	✔
Bundled software	Evnia Precision Center

Other features

Brand specific technologies	Crosshair
Low input lag	✔
Shadow control	✔
Compatible operating systems	DDC/CI, Mac OS, sRGB, Windows 11 / 10
Picture-by-Picture (PbP)	✔
Exterior finish type	Textured
Monitor sync input signal	Separate Sync
User controls	Power On/Off, Menu/OK, Input/Up, Dual Resolution/Down, SmartImage game/Back
Picture enhancement	SmartImage game
MultiView	PIP/PBP mode, 2x Devices
EasyRead mode	✔
LowBlue mode	✔
Compliance certificates	RoHS
Regulatory Approvals	CB, CE Mark, TUV/ISO9241-307, TUV-BAUART, EAC, EAC ROHS, PSB, UKCA, EMF, FCC, ICES-003
Delta E	2
Adaptive synchronisation	✔
Philips SmartUniformity	93 - 105%
Mean time between failures (MTBF)	50000 h

Recycling data

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

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Catalog Object Cloud

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