

PHILIPS

## Philips Momentum 27M1F5800/00 LED display 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD Black

Brand : Philips

Product family: Momentum

Product code: 27M1F5800/00

Product name : 27M1F5800/00

Evnia 5000 27" (68.5 cm) 4K UHD gaming monitor

Philips Momentum 27M1F5800/00 LED display 68.6 cm (27") 3840 x 2160 pixels 4K Ultra HD Black:

This Philips gaming monitor brings games to life with its 4K Nano IPS display and DisplayHDR 600. An impressive 144 Hz refresh rate, 1 ms response time and Sync technology guarantee smooth visuals. Philips Momentum 27M1F5800/00. Display diagonal: 68.6 cm (27"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: LED, Response time: 1 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in USB hub. VESA mounting, Height adjustment. Product colour: Black



Display		Ergonomics	
Display diagonal *	68.6 cm (27")	Pivot angle	-90 - 90°
Display resolution *	3840 x 2160 pixels	Swivelling	✓
HD type *	4K Ultra HD	Swivel angle range	-45 - 45°
Native aspect ratio *	16:9	Tilt angle range	-5 - 20°
Display technology *	LED	On Screen Display (OSD)	✓
Panel type *	Nano IPS	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
Backlight type	W-LED	Number of OSD languages	21
Touchscreen *	✗	Plug and Play	✓
Display brightness (typical)	450 cd/m <sup>2</sup>	LED indicators	Operation, Stand-by
Response time	1 ms	Tilt adjustment	✓
Anti-glare screen	✓	<b>Power</b>	
Screen shape *	Flat	Energy efficiency class (SDR) *	G
Aspect ratio	16:9	Energy efficiency class (HDR) *	G
Contrast ratio (typical) *	1000:1	Energy consumption (SDR) per 1000 hours *	59 kWh
Dynamic contrast ratio marketing name	Mega Infinity DCR	Energy consumption (HDR) per 1000 hours *	57 kWh
Maximum refresh rate *	144 Hz	Power consumption (typical) *	55.5 W
Viewing angle, horizontal	178°	Power consumption (standby) *	0.5 W
Viewing angle, vertical	178°	Power consumption (off)	0.3 W
Display number of colours *	1.07 billion colours	AC input voltage	100 - 240 V
Pixel pitch	0.1554 x 0.1554 mm	AC input frequency	50 - 60 Hz
Pixel density	163.18 ppi	Power supply type	External
Horizontal scan range	30 - 255 kHz	<b>Operational conditions</b>	
Vertical scan range	48 - 144 Hz	Operating temperature (T-T)	0 - 35 °C
Viewable size, horizontal	59.7 cm	Storage temperature (T-T)	-20 - 60 °C
Viewable size, vertical	33.6 cm	Operating relative humidity (H-H)	20 - 80%
Display diagonal (metric)	68.5 cm		
High Dynamic Range (HDR) supported	✓		
High Dynamic Range (HDR) technology	DisplayHDR 600		
DDC/CI	✓		

<b>Display</b>		<b>Operational conditions</b>	
Haze rate	25%	Operating altitude	0 - 3658 m
Surface hardness	3H	Non-operating altitude	0 - 12192 m
Colour depth	10 bit	<b>Packaging content</b>	
sRGB coverage (typical)	100%	Stand included	✓
NTSC coverage (typical)	84.8%	Cables included	HDMI, DisplayPort, USB, AC
Adobe RGB coverage	93.1%	Quick start guide	✓
Display sRGB	✓	Manual	✓
<b>Performance</b>		<b>Weight &amp; dimensions</b>	
NVIDIA G-SYNC *	✗	Width (with stand)	609 mm
AMD FreeSync *	✓	Depth (with stand)	235 mm
AMD FreeSync type	FreeSync Premium Pro	Height (with stand)	552 mm
VESA Adaptive Sync support	✓	Weight (with stand)	6.1 kg
Component video sync	Separate sync	Width (without stand)	609 mm
Flicker-free technology	✓	Depth (without stand)	46 mm
Low Blue Light technology	✓	Height (without stand)	353 mm
Low input lag	✓	Weight (without stand)	4.67 kg
Compatible operating systems	Mac OS X, Windows 10 / 8.1 / 8 / 7	<b>Packaging data</b>	
<b>Multimedia</b>		Package width	780 mm
Built-in speaker(s) *	✗	Package depth	224 mm
Built-in camera *	✗	Package height	521 mm
<b>Design</b>		Package weight	11.1 kg
Market positioning *	Gaming	<b>Sustainability</b>	
Product colour *	Black	Sustainability certificates	RoHS
Feet colour	Black	Doesn't contain	Mercury, PVC/BFR
Heavy metals free	Hg (mercury)	European Product Registry for Energy Labelling (EPREL) code	1222314
Certification	CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART	<b>Logistics data</b>	
<b>Ports &amp; interfaces</b>		Harmonized System (HS) code	85285210
Built-in USB hub *	✓	<b>Other features</b>	
USB upstream port type	USB Type-B	DCI-P3 coverage	98%
Number of upstream ports	1	Picture-by-Picture (PbP)	✓
HDMI *	✓	Exterior finish type	Textured
HDMI ports quantity	2	Picture enhancement	SmartImage game
HDMI version	2.1	Recyclable packaging material	100%
DisplayPorts quantity	2	MultiView	PBP (2 x devices)
DisplayPort version	1.4	Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV/ISO9241-307; TUV-BAUART
Audio output	✓	Delta E	2
HDCP	✓	EasyRead mode	✓
HDCP version	2.2	LowBlue mode	✓
<b>Ergonomics</b>		Philips SmartUniformity	97 - 102%
VESA mounting *	✓	Energy efficiency class (old)	G
Panel mounting interface	100 x 100 mm	Weight	4.67 kg
Cable lock slot *	✓	Height	353 mm
Cable lock slot type	Kensington	Width	609 mm
Height adjustment *	✓	Depth	46 mm
Height adjustment	13 cm	Mean time between failures (MTBF)	50000 h
Pivot	✓		



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