

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



Gaming Monitor 27M1F5800 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")	Tilt angle range	-5 - 20°
Display resolution *	3840 x 2160 pixels	On Screen Display (OSD)	✓
HD type *	4K Ultra HD	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
Native aspect ratio *	16:9	Number of OSD languages	21
Display technology *	LED	Plug and Play	✓
Panel type *	Nano IPS	LED indicators	Operation, Stand-by
Backlight type	W-LED	Power	
Touchscreen *	✗	Energy efficiency class (SDR) *	G
Display brightness (typical)	450 cd/m ²	Energy efficiency class (HDR) *	G
Response time *	1 ms	Energy consumption (SDR) per 1000 hours *	59 kWh
Anti-glare screen	✓	Energy consumption (HDR) per 1000 hours *	57 kWh
Screen shape *	Flat	Power consumption (typical) *	55.5 W
Aspect ratio	16:9	Power consumption (standby) *	0.5 W
Contrast ratio (typical) *	1000:1	Power consumption (off)	0.3 W
Dynamic contrast ratio marketing name	Mega Infinity DCR	AC input voltage	100 - 240 V
Maximum refresh rate *	144 Hz	AC input frequency	50 - 60 Hz
Viewing angle, horizontal	178°	Power supply type	External
Viewing angle, vertical	178°	European Product Registry for Energy Labelling (EPREL) code	1222314
Display number of colours *	1.07 billion colours	Operational conditions	
Pixel pitch	0.1554 x 0.1554 mm	Operating temperature (T-T)	0 - 35 °C
Pixel density	163.18 ppi	Storage temperature (T-T)	-20 - 60 °C
Horizontal scan range	30 - 255 kHz	Operating relative humidity (H-H)	20 - 80%
Vertical scan range	48 - 144 Hz	Operating altitude	0 - 3658 m
Viewable size, horizontal	59.7 cm	Non-operating altitude	0 - 12192 m
Viewable size, vertical	33.6 cm		
Display diagonal (metric)	68.5 cm		
High Dynamic Range (HDR) supported	✓		
High Dynamic Range (HDR) technology	DisplayHDR 600		
DDC/CI	✓		

Display		Weight & dimensions	
Haze rate	25%	Width (with stand)	609 mm
Surface hardness	3H	Depth (with stand)	235 mm
Colour depth	10 bit	Height (with stand)	552 mm
sRGB coverage (typical)	100%	Weight (with stand)	6.1 kg
NTSC coverage (typical)	84.8%	Width (without stand)	609 mm
Adobe RGB coverage	93.1%	Depth (without stand)	46 mm
DCI-P3 coverage	98%	Height (without stand)	353 mm
Display sRGB	✓	Weight (without stand)	4.67 kg
Performance		Packaging data	
NVIDIA G-SYNC *	✗	Package width	780 mm
AMD FreeSync *	✓	Package depth	224 mm
AMD FreeSync type	FreeSync Premium Pro	Package height	521 mm
VESA Adaptive Sync support	✓	Package weight	11.1 kg
Component video sync	Separate sync	Packaging content	
Flicker-free technology	✓	Stand included	✓
Low Blue Light technology	✓	Cables included	HDMI, DisplayPort, USB, AC
Multimedia		Quick start guide	✓
Built-in speaker(s) *	✗	Manual	✓
Built-in camera *	✗	Sustainability	
Design		Doesn't contain	Mercury, PVC/BFR
Market positioning *	Gaming	Other features	
Product colour *	Black	Low input lag	✓
Feet colour	Black	Compatible operating systems	Mac OS X, Windows 10 / 8.1 / 8 / 7
Ports & interfaces		Picture-by-Picture (PbP)	✓
Built-in USB hub *	✓	Exterior finish type	Textured
USB upstream port type	USB Type-B	Recyclable packaging material	100%
Number of upstream ports	1	Heavy metals free	Hg (mercury)
HDMI *	✓	EasyRead mode	✓
HDMI ports quantity	2	LowBlue mode	✓
HDMI version	2.1	Weight	4.67 kg
DisplayPorts quantity	2	Picture enhancement	SmartImage game
DisplayPort version	1.4	Philips SmartUniformity	97 - 102%
Audio output	✓	Width	609 mm
HDCP	✓	Depth	46 mm
HDCP version	2.2	Compliance certificates	RoHS
Ergonomics		MultiView	PBP (2 x devices)
VESA mounting *	✓	Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV/ISO9241-307; TUV-BAUART
Panel mounting interface	100 x 100 mm	Delta E	2
Cable lock slot *	✓	Energy efficiency class (old)	G
Cable lock slot type	Kensington	Height	353 mm
Height adjustment *	✓	Mean time between failures (MTBF)	50000 h
Height adjustment	13 cm	Certification	CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART
Pivot	✓	Logistics data	
Pivot angle	-90 - 90°	Harmonized System (HS) code	85285210
Swivelling	✓		
Swivel angle range	-45 - 45°		
Tilt adjustment	✓		



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Publication date: 13-NOV-2024. Prints or copies of Information are only valid on the printed Publication date