

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

Display diagonal *	68.6 cm (27")
Display resolution *	3840 x 2160 pixels
HD type *	4K Ultra HD
Native aspect ratio *	16:9
Display technology *	LED
Panel type *	Nano IPS
Backlight type	W-LED
Touchscreen *	✗
Display brightness (typical)	450 cd/m <sup>2</sup>
Response time	1 ms
Anti-glare screen	✓
Screen shape *	Flat
Aspect ratio	16:9
Contrast ratio (typical) *	1000:1
Dynamic contrast ratio marketing name	Mega Infinity DCR
Maximum refresh rate *	144 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	1.07 billion colours
Pixel pitch	0.1554 x 0.1554 mm
Pixel density	163.18 ppi
Horizontal scan range	30 - 255 kHz
Vertical scan range	48 - 144 Hz
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	DisplayHDR 600
DDC/CI	✓

### Ergonomics

Pivot angle	-90 - 90°
Swivelling	✓
Swivel angle range	-45 - 45°
Tilt adjustment	✓
Tilt angle range	-5 - 20°
On Screen Display (OSD)	✓
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	✓
LED indicators	Operation, Stand-by

### Power

Energy efficiency class (SDR) *	G
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	59 kWh
Energy consumption (HDR) per 1000 hours *	57 kWh
Power consumption (typical) *	55.5 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	External

### Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%

<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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