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/m²
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%

Display

Haze rate	25%
Surface hardness	3H
Colour depth	10 bit
sRGB coverage (typical)	100%
NTSC coverage (typical)	84.8%
Adobe RGB coverage	93.1%
Display sRGB	✔

Performance

NVIDIA G-SYNC *	✘
AMD FreeSync *	✔
AMD FreeSync type	FreeSync Premium Pro
VESA Adaptive Sync support	✔
Component video sync	Separate sync
Flicker-free technology	✔
Low Blue Light technology	✔
Low input lag	✔
Compatible operating systems	Mac OS X, Windows 10 / 8.1 / 8 / 7

Multimedia

Built-in speaker(s) *	✘
Built-in camera *	✘

Design

Market positioning *	Gaming
Product colour *	Black
Feet colour	Black
Heavy metals free	Hg (mercury)
Certification	CB, CE Mark, FCC Class B, ICES-003, CU-EAC, EAEU RoHS, TUV/ISO9241-307, TUV-BAUART

Ports & interfaces

Built-in USB hub *	✔
USB upstream port type	USB Type-B
Number of upstream ports	1
HDMI *	✔
HDMI ports quantity	2
HDMI version	2.1
DisplayPorts quantity	2
DisplayPort version	1.4
Audio output	✔
HDCP	✔
HDCP version	2.2

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔
Height adjustment	13 cm
Pivot	✔

Operational conditions

Operating altitude	0 - 3658 m
Non-operating altitude	0 - 12192 m

Packaging content

Stand included	✔
Cables included	HDMI, DisplayPort, USB, AC
Quick start guide	✔
Manual	✔

Weight & dimensions

Width (with stand)	609 mm
Depth (with stand)	235 mm
Height (with stand)	552 mm
Weight (with stand)	6.1 kg
Width (without stand)	609 mm
Depth (without stand)	46 mm
Height (without stand)	353 mm
Weight (without stand)	4.67 kg

Packaging data

Package width	780 mm
Package depth	224 mm
Package height	521 mm
Package weight	11.1 kg

Sustainability

Sustainability certificates	RoHS
Doesn't contain	Mercury, PVC/BFR
European Product Registry for Energy Labelling (EPREL) code	1222314

Logistics data

Harmonized System (HS) code	85285210

Other features

DCI-P3 coverage	98%
Picture-by-Picture (PbP)	✔
Exterior finish type	Textured
Picture enhancement	SmartImage game
Recyclable packaging material	100%
MultiView	PBP (2 x devices)
Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV/ISO9241-307; TUV-BAUART
Delta E	2
EasyRead mode	✔
LowBlue mode	✔
Philips SmartUniformity	97 - 102%
Energy efficiency class (old)	G
Weight	4.67 kg
Height	353 mm
Width	609 mm
Depth	46 mm
Mean time between failures (MTBF)	50000 h

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