



27M2N3800A/00

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

GENERAL

Brand	Philips Monitors/MMD
Description	Fast IPS Gaming monitor 27M2N3800A DUAL MODE gaming monitor
Footnotes	<div><div>- "IPS" word mark / trademark and related patents on technologies belong to their respective owners.</div><div>- Adobe RGB and DCI-P3 Coverage based on CIE1976, sRGB Area based on CIE1931, NTSC Area based on CIE1976.</div><div>- For best output performance, please always ensure that your graphic card is capable of achieving the maximum resolution and refresh rate of this Philips display.</div><div>- Response time value equal to SmartResponse</div><div>- Smart MBR adjusts brightness for blur reduction, so you cannot adjust brightness while Smart MBR is turned on. To reduce motion blur, the LED backlight will strobe synchronously with each screen refresh, which may cause a noticeable change in brightness.</div><div>- Smart MBR is a gaming-optimised mode. Turning on Smart MBR may cause noticeable screen flickering. We recommended turning it off when you are not using the gaming function.</div><div>- Please note that the low input lag feature is permanently enabled and cannot be switched off.</div><div>- This monitor strives for sustainability: the stand's feet and headphone holder are made with 35% recycled plastic and monitor's chassis is made up of 85% post-consumer recycled plastic.</div><div>- The products and accessories listed on this leaflet may differ by country and region.</div><div>- The monitor may look different from feature images.</div></div>

DISPLAY INFORMATION

Effective viewing area	596.736 (H) x 335.664 (V) mm
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Display Screen coating	Anti-Glare, 3H, Haze 25%
Response time (typical)	1 ms (Grey to Grey)*
Brightness	350 (SDR)cd/m ² ,450nits (HDR On) cd/m ²
Contrast ratio (typical)	1000:1
Pixel Pitch	0.1554 (H) mm x 0.1554 (V) mm
Viewing Angle	178° (H)/178° (V); @ C/R > 10
Scanning Frequency	30-360 kHz (H), 48-160 Hz(UHD), 48-320 Hz (FHD) (V)
sRGB	Yes
Picture enhancement	SmartImage game
Pixel Density	163 PPI
LowBlue Mode	Yes
EasyRead	Yes
Adaptive Sync	Yes
SmartUniformity	93-105%
Delta E	Delta <2 (sRGB)
Low Input Lag	Yes
SmartContrast	Mega Infinity DCR
Colour Gamut (typical)	Adobe RGB 90%; DCI-P3:95%, sRGB: 130%,NTSC 110%*
HDR	HDR 400

CONNECTIVITY INFORMATION

Sync input	Separate Sync
Audio (In/Out)	Headphone out
HDCP	HDCP 1.4 (HDMI/DP), HDCP 2.3 (HDMI/DP)
Signal input	HDMI 2.1 x 2 , DisplayPort 1.4 x 1

OTHER INFORMATION

Built-in Speakers	2 W x 2
User convenience	Power On/Off; Menu/OK; Input/Up; Dual Resolution/Down; SmartImage game/Back
OSD languages	Brazil Portuguese; Czech; Dutch; English; Finnish; French; German; Greek; Hungarian; Italian; Japanese; Korean; Polish; Portuguese; Russian; Spanish; Simplified Chinese; Swedish; Turkish; Traditional Chinese; Ukrainian
Other convenience	Kensington lock; VESA mount (100 x 100 mm); LowBlue Mode; Low blue light
Plug and Play Compatibility	DDC/CI; Mac OS; sRGB; Windows 11/10
Control software	Evnia Precision Centre

STAND

Height adjustment	130 mm
Tilt	-5/20 degree
Pivot	+ -90 degree
Swivel	-/+ 30 degree

POWER CONSUMPTION

On mode	25.65 W (typ.)
Standby mode	0.5 W (typ.)
Off mode	0.3 W (typ.)
Power LED indicator	Operation - White; Standby mode - White (flashing)
Power supply	Internal; 100–240 VAC, 50–60 Hz
Energy label class	F

PRODUCT DIMENSIONS

Product with stand (max height)	614 x 519 x 261 mm
Product without stand (mm)	614 x 368 x 85 mm
Packaging in mm (W x H x D)	730 x 455 x 139 mm

WEIGHT

Product with stand (kg)	5.60 kg
Product without stand (kg)	3.75 kg
Product with packaging (kg)	8.33 kg

OPERATING CONDITION

Temperature range (operation)	0°C to 40 °C
Temperature range (storage)	-20°C to 60 °C
Relative humidity	20%-80 %
Altitude	Operation: +12,000 ft (3658 m), Non-operation: +40,000 ft (12,192 m)
MTBF	50,000 (Excluded backlight)

SUSTAINABILITY

Environmental and energy	RoHS
Recyclable packaging material	100 %

CABINET INFORMATION

Colour	Charcoal
Finish	Textured

COMPLIANCE AND STANDARDS

Regulatory Approvals	CB; CE Mark; TUV/ISO9241-307; TUV-BAUART; EAC; EAC ROHS; PSB; UKCA; EMF; FCC; ICES-003
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WHAT'S IN THE BOX

Monitor with stand	Yes
Cables	DP cable, HDMI cable, Power cable
User documentation	Yes