

Samsung G85NB computer monitor 81.3 cm (32") 3840 x 2160 pixels 4K Ultra HD LED White

Brand : Samsung

Product family: Odyssey

Product code:
LS32BG850NPXEN

Product name : G85NB

Samsung G85NB. Display diagonal: 81.3 cm (32"), 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, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: White



Display		Ergonomics	
Display diagonal *	81.3 cm (32")	Panel mounting interface	100 x 100 mm
Display resolution *	3840 x 2160 pixels	Cable management	✓
HD type *	4K Ultra HD	Cable lock slot *	✓
Native aspect ratio *	16:9	Height adjustment *	✓
Display technology *	LED	Adjustable height (max)	12 cm
Panel type *	VA	Pivot	✓
LED backlight	✓	Pivot angle	-92 - 92°
Backlight type	Mini LED	Swivelling	✓
Touchscreen *	✗	Swivel angle range	-15 - 15°
Display brightness (typical)	350 cd/m²	Tilt adjustment	✓
Response time *	1 ms	Tilt angle range	-9 - 13°
Response time measurement type	GTG (Gray to Gray)	Picture-in-Picture	✓
Screen shape *	Curved	Power	
Screen curvature rating	1000R	Energy efficiency class (SDR) *	G
Contrast ratio (typical) *	1000000:1	Energy efficiency class (HDR) *	G
Dynamic contrast ratio marketing name	Mega DCR	Energy consumption (SDR) per 1000 hours *	33 kWh
Maximum refresh rate *	240 Hz	Energy consumption (HDR) per 1000 hours *	104 kWh
Refresh rate optimizor	✓	Power consumption (typical) *	33.2 W
Viewing angle, horizontal	178°	Power consumption (standby) *	0.5 W
Viewing angle, vertical	178°	Power consumption (max)	140 W
Display number of colours *	1 billion colours	Power consumption (off)	0.3 W
Viewable size, horizontal	69.7 cm	AC input voltage	100 - 240 V
Viewable size, vertical	39.2 cm	AC adapter output voltage	20 V
High Dynamic Range (HDR) supported	✓	Power supply type	External
High Dynamic Range (HDR) technology	Quantum HDR 2000	Energy efficiency scale	A to G
Colour gamut standard	DCI-P3	Annual energy consumption	48 kWh
Colour gamut	95%	Operational conditions	
Quantum dot color technology	✓	Operating temperature (T-T)	10 - 40 °C
Performance		Operating relative humidity (H-H)	10 - 80%
NVIDIA G-SYNC *	✗	Weight & dimensions	
AMD FreeSync *	✓	Width (with stand)	713 mm
AMD FreeSync type	FreeSync Premium Pro	Depth (with stand)	311.1 mm

Performance		Weight & dimensions	
Flicker-free technology	✓	Height (with stand)	606.4 mm
Game mode	✓	Weight (with stand)	8.9 kg
Game features	Super Arena Gaming UX, Super Ultrawide GameView	Width (without stand)	713 mm
Smart modes	FPS, RPG, RTS	Depth (without stand)	173 mm
Multimedia		Height (without stand)	434.8 mm
Built-in speaker(s) *	✗	Weight (without stand)	7 kg
Built-in camera *	✗	Packaging data	
Design		Package width	827 mm
Market positioning *	Consumer	Package depth	236 mm
Product colour *	White	Package height	530 mm
Front bezel colour	Black	Package weight	12.9 kg
Feet colour	Black	Packaging content	
Ports & interfaces		Stand included	✓
Built-in USB hub *	✓	Cables included	AC, DisplayPort
USB hub version	3.2 Gen 1 (3.1 Gen 1)	Power cable length	1.5 m
USB upstream port type	USB Type-B	Sustainability	
Number of upstream ports	1	Sustainability compliance	✓
USB Type-A downstream ports quantity	2	Other features	
HDMI *	✓	Low input lag	✓
HDMI ports quantity	2	Local dimming	✓
HDMI version	2.1	Local dimming zones	1196
DisplayPorts quantity	1	Samsung Eye Saver Mode	✓
DisplayPort version	1.4	Video colour modes	Cinema, Custom, Dynamic contrast, Sports
Headphone out *	✓	Eco Light Sensor	✓
Headphone outputs	1	Factory tuning	✓
HDCP	✓	Adaptive picture	✓
HDCP version	2.2	Off Timer Plus	✓
DC-in jack	✓	Virtual AIM point	✓
Ergonomics		Auto source switch+	✓
VESA mounting *	✓	Compliance certificates	UL



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