## Samsung 32" Odyssey OLED G80SD UHD, 240Hz Smart Gaming Monitor

**Brand :** Samsung **Product family:** Odyssey **Product code:** LS32DG802SUXXU

**Product name :** 32" Odyssey OLED G80SD UHD, 240Hz Smart

**Gaming Monitor** 

- Content springs to life in 4K OLED
- Dive into shadows with purer black levels
- Focus without distraction with OLED Glare Free technology

LS32DG802SUXXU

Samsung 32" Odyssey OLED G80SD UHD, 240Hz Smart Gaming Monitor. Display diagonal: 81.3 cm (32"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Response time: 0.03 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Silver







Display diagonal * 81.3 cm (32*) Panel mounting interface 100 x 100 mm  Display resolution * 3840 x 2160 pixels Cable management / * * * * * * * * * * * * * * * * * *				
Display resolution * 3840 x 2160 pixels	Display		Ergonomics	
HD type * 4K Ultra HD Height adjustment * ✓ Native aspect ratio * 16:9 Height adjustment 12 cm Display technology * 0LED Pivot	Display diagonal *	81.3 cm (32")	Panel mounting interface	100 x 100 mm
Native aspect ratio * 16:9 Height adjustment 12 cm  Display technology * OLED Pivot	Display resolution *	3840 x 2160 pixels	Cable management	✓
Display technology * OLED Pivot angle -30 -30° Pivot angle -30 -30° Display brightness (typical) 250 cd/m² Swivelling -92 -92° Response time * 0.03 ms Tilt adjustment - / Screen shape * Flat Tilt angle range -92 - 92° Contrast ratio (typical) 1000000:1  Dynamic contrast ratio marketing name refresh rate * 240 Hz Energy efficiency class (SDR) * G Maximum refresh rate * 240 Hz Viewing angle, horizontal 178° Display number of colours * 1 billion colours 1 billion colours 1 billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 2 bower consumption (typical) * 47 kW billion colours * 40 km billion colours * 4	HD type *	4K Ultra HD	Height adjustment *	✓
Panel type * OLED Pivot angle .30 - 30 * OV   Touchscreen * X Swivelling	Native aspect ratio *	16:9	Height adjustment	12 cm
Touchscreen*	Display technology *	OLED	Pivot	✓
Display brightness (typical)  Response time * 0.03 ms Tilt adjustment	Panel type *	OLED	Pivot angle	-30 - 30°
Response time * 0.03 ms Tilt adjustment	Touchscreen *	×	Swivelling	✓
Screen shape * Flat Tilt angle range -2 - 2 - 2 s°  Contrast ratio (typical) * 1000000:1  Dynamic contrast ratio marketing ame  Mega DCR  Maximum refresh rate * 240 Hz  Viewing angle, horizontal 178°  Viewing angle, vertical 178°  Viewable size, horizontal 69.9 cm  Display diagonal (metric) 80 cm  High Dynamic Range (HDR) High Dynamic Range 10 (HDR10) High Dynamic Range 10 HS10 Plate (HDR10 Plate) High Dynamic Samigut Standard  Colour gamut Standard  Col	Display brightness (typical)	250 cd/m²	Swivel angle range	-92 - 92°
Contrast ratio (typical) * 1000000:1 Power  Dynamic contrast ratio marketing name Mega DCR Energy efficiency class (SDR) * G  Maximum refresh rate * 240 Hz Energy efficiency class (HDR) * G  Viewing angle, horizontal 178° Energy consumption (SDR) per 1000 47 kWh  Viewing angle, vertical 178° Energy consumption (HDR) per 1000 47 kWh  Viewable size, horizontal 69.9 cm Power consumption (typical) * 47 W  Viewable size, horizontal 69.9 cm Power consumption (typical) * 47 W  Viewable size, vertical 39.5 cm Power consumption (typical) * 0.5 W  Display diagonal (metric) 80 cm Power consumption (max) 180 W  High Dynamic Range (HDR) High Dynamic Range 10 (HDR10) High Dynamic Range (HDR10) High Dynamic Range 10 (HDR10) High Dynamic Range (HDR10) Plus Gaming) (HDR10 Plus Gaming)  Colour gamut standard DCL-P3 Performance Operating relative humidity (H-H) 10 - 80%  AMD FreeSync * PreeSync Premium Pro Performancy PreeSync Premium Pro Performancy Propertion Properting relative humidity (H-H) 10 - 80%  Multimedia Tizen Depth (with stand) 563.5 mm  Multimedia Height (with stand) 584.6 mm  RMs rated power 10 W Weight (with stand) 584.6 mm  Wight (with outstand) 719.7 mm	Response time *	0.03 ms	Tilt adjustment	✓
Dynamic contrast ratio marketing name  Mega DCR  Energy efficiency class (SDR)*  Energy efficiency class (HDR)*  Energy efficiency class (HDR)*  Energy efficiency class (HDR)*  Energy consumption (SDR) per 1000  47 kWh  Fine type (Consumption (SDR) per 1000  Fine type (Consumption (SDR) per 1000  Fine type (Consumption (SDR) per 1000  Fine type (Consumption (HDR) per 1000 hours*  Fine ty	Screen shape *	Flat	Tilt angle range	-2 - 25°
Maximum refresh rate * 240 Hz Energy efficiency class (SDR) * G  Maximum refresh rate * 240 Hz Energy efficiency class (HDR) * G  Viewing angle, horizontal 178° Energy consumption (SDR) per 1000 hours * 47 kWh  Viewing angle, vertical 178° Energy consumption (HDR) per 1000 hours * 65 kWh  Viewable size, horizontal 69.9 cm Power consumption (typical) * 47 W  Viewable size, vertical 39.5 cm Power consumption (typical) * 47 W  Viewable size, vertical 39.5 cm Power consumption (typical) * 47 W  Viewable size, vertical 39.5 cm Power consumption (typical) * 0.5 W  Display diagonal (metric) 80 cm Power consumption (max) 180 W  High Dynamic Range (HDR) High Dynamic Range 10 (HDR10), High Dynamic Range (HDR10) High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  Colour gamut standard DCL-P3  Performance Operating temperature (T-T) 0 - 40 °C  AMD FreeSync *  AMD FreeSync type FreeSync Premium Pro Weight & dimensions  Filicker-free technology	Contrast ratio (typical) *	1000000:1	Power	
Maximum refresh rate * 240 Hz Energy efficiency class (HDR) * G Viewing angle, horizontal 178° Energy consumption (SDR) per 1000 47 kWh Viewing angle, vertical 178° Energy consumption (HDR) per 1000 hours * Viewing angle, vertical 178° Energy consumption (HDR) per 1000 hours * Viewable size, horizontal 69.9 cm Power consumption (typical) * 47 W Viewable size, vertical 39.5 cm Power consumption (standby) * 0.5 W Display diagonal (metric) 80 cm Power consumption (standby) * 0.5 W Display diagonal (metric) 80 cm Power consumption (standby) * 180 W High Dynamic Range (HDR) High Dynamic Range 10 (HDR10), High Dynamic Range (HDR10) High Dynamic Range 10 (HDR10), High Dynamic Rang	,	Mega DCR	Energy efficiency class (SDR) *	G
Viewing angle, horizontal       178°       Energy consumption (SDR) per 1000 hours*       47 kWh         Viewing angle, vertical       178°       Energy consumption (HDR) per 1000 hours *       65 kWh         Viewable size, horizontal       69.9 cm       Power consumption (typical) *       47 W         Viewable size, vertical       39.5 cm       Power consumption (standby) *       0.5 W         Display diagonal (metric)       80 cm       Power consumption (max)       180 W         High Dynamic Range (HDR) supported       High Dynamic Range 10 (HDR10), High Dynamic Range 10 (HDR10), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)       AC input frequency       50/60 Hz         Colour gamut standard       DCI-P3       DCI-P3       European Product Registry for Energy Labelling (EPREL) code       1993280         Colour gamut       99%       Operational conditions       10 - 40 °C         AMD FreeSync *       ✓       Operating temperature (T-T)       0 - 40 °C         AMD FreeSync type       FreeSync Premium Pro       Weight & dimensions         Flicker-free technology       ✓       Width (with stand)       719.7 mm         Operating system installed       Tizen       Depth (with stand)       563.5 mm         Multimedia       Height (with stand)       8.4 kg         Built-in speaker(s) *       ✓		240 Hz	Energy efficiency class (HDR) *	G
Viewing angle, vertical Display number of colours* 1 billion colours 1 book we we consumption (typical) * 47 W 2 bower consumption (typical) * 47 W 2 cinut cystally * 180 W 2 cinut voltage 2 consumption (typical) * 47 W 2 cinut cystally * 180 W 2 cinut voltage 2 consumption (typical) * 47 W 2 cinut cystally * 180 W 2 cinut voltage 2 consumption (typical) * 40 W 2 cinut voltage 2 consumption (typical) * 40 W 2 cinut cystally * 180 W 3 cinut frequency 3 consumption (typical) * 40 W 4 cinut voltage 3 consumption (typical) * 40 W 4 cinut voltage 3 consumption (typical) * 40 W 4 cinut voltage 3 consumption (typical) * 40 W 4 cinut voltage 3 consumption (typical) * 40 V 4 cinut frequency 5 consumption (typical) * 40 V 6 cinut frequency 5 consumption (typical) * 50 W 6 cinut frequency 5 consumption (typical) * 50 W 6 consumption (typi	Viewing angle, horizontal			47 kWh
Display number of colours * 1 billion colours 1000 hours * 65 kWn  Viewable size, horizontal 69.9 cm Power consumption (typical) * 47 W  Viewable size, vertical 39.5 cm Power consumption (standby) * 0.5 W  Display diagonal (metric) 80 cm Power consumption (max) 180 W  High Dynamic Range (HDR) High Dynamic Range 10 (HDR10), High Dynamic Range 10 (HDR10), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  technology (HDR10 Plus Gaming) European Product Registry for Energy Labelling (EPREL) code  Performance  Operational conditions  Performance Operating temperature (T-T) 0 - 40 °C  AMD FreeSync * ✓ Operating relative humidity (H-H) 10 - 80%  AMD FreeSync type FreeSync Premium Pro  Weight & dimensions  Flicker-free technology ✓ Width (with stand) 719.7 mm  Operating system installed Tizen Depth (with stand) 584.6 mm  RMS rated power 10 W Weight (with stand) 719.7 mm  RMS rated power 10 W Width (with stand) 719.7 mm	Viewing angle, vertical	178°		
Viewable size, vertical  39.5 cm  Power consumption (standby) * 0.5 W  Power consumption (standby) * 0.5 W  Power consumption (standby) * 0.5 W  Power consumption (max)  AC input voltage  AC input frequency  Fower supply type  External  European Product Registry for Energy Labelling (EPREL) code  Performance  AMD FreeSync *  AMD FreeSync type  FreeSync Premium Pro  PreeSync Premium Pro  Mitimedia  Multimedia  Power consumption (standby) * 0.5 W  Power supply type  External  European Product Registry for Energy Labelling (EPREL) code  Poperating temperature (T-T)  Operating relative humidity (H-H)  Power supply type  External  Power consumption (standby) * 0.5 W  Power consumption (standby) * 1.80 W  Power consumtion * 1.80 W  Power supply type  External  Power supply type  External  Popa 2.0 Color Temperature  Power supply type  External  Popa 2.0 Color Temperature  Power supply type  External  Popa 2.0 Color Temperature  Power supply type  Ex	Display number of colours *	1 billion colours		65 kWh
Display diagonal (metric)  Bisplay diagonal (metric)  High Dynamic Range (HDR) supported  High Dynamic Range 10 (HDR10), Hour supported  AC input voltage  External  European Product Registry for European Product Registry for Energy Labelling (EPREL) code  Deparating temperature (T-T) O - 40 °C Operating relative humidity (H-H) D - 80%  Weight & dimensions  Width (with stand) File Supported  Weight (with stand) File Supported	Viewable size, horizontal	69.9 cm	Power consumption (typical) *	47 W
High Dynamic Range (HDR) supported  High Dynamic Range 10 (HDR10), High Dynamic Range 10 (HDR10), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  Colour gamut standard  Colour gamut  DCI-P3  Colour gamut  Performance  AMD FreeSync *  AMD FreeSync type  FreeSync Premium Pro  Flicker-free technology  Operating system installed  Tizen  Multimedia  RMS rated power  Built-in speaker(s) *  AC input voltage  AC input requency  AC input frequency  Fower supply type  External  European Product Registry for  European Product Registry for  Energy Labelling (EPREL) code  Departing temperature (T-T)  O - 40 °C  Operating relative humidity (H-H)  To - 80%  Weight & dimensions  Width (with stand)  To - 40 °C  To - 4	Viewable size, vertical	39.5 cm	Power consumption (standby) *	0.5 W
High Dynamic Range (HDR) technology  Colour gamut standard Colour gamut  Performance  AMD FreeSync *  AMD FreeSync type Ficker-free technology  Colour gasystem installed  Migh Dynamic Range 10 (HDR10), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  Colour gamut  Migh Dynamic Range 10 (HDR10), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  European Product Registry for Energy Labelling (EPREL) code  Power supply type  European Product Registry for Energy Labelling (EPREL) code  Operational conditions  Operating temperature (T-T)  Operating relative humidity (H-H)  10 - 80%  Weight & dimensions  Flicker-free technology Operating system installed  Tizen  Depth (with stand) Tizen  Depth (with stand) Tizen  Multimedia  RMS rated power  10 W  Weight (with stand)  Multimedia  RMS rated power  10 W  Weight (with stand)  Multimedia  RMS rated power  10 W  Weight (with stand)  Multimedia  RMS rated power  10 W  Weight (with stand)  Multimedia  Tizen  Weight (with stand)  Tizen  Weight (with stand)  Tizen  Tizen  Weight (with stand)  Tizen  Tizen  Weight (with stand)  Tizen  Tizen	Display diagonal (metric)	80 cm	Power consumption (max)	180 W
High Dynamic Range (HDR) High Dynamic Range 10 (HDR10), High Dynamic Range 10+ Gaming technology  Colour gamut standard  Colour gamut  DCI-P3  Colour gamut  Performance  AC input frequency Power supply type External  European Product Registry for Energy Labelling (EPREL) code  Operational conditions  Performance  Operating temperature (T-T) Operating relative humidity (H-H) Operating system installed  Tizen  Multimedia  RMS rated power Built-in speaker(s) *  AC input frequency AC input frequency Fower supply type External  1993280  Operational conditions  Operating temperature (T-T) O - 40 °C Operating temperature (T-T) Operating temperat	High Dynamic Range (HDR)	✓	AC input voltage	100 - 240 V
High Dynamic Range (HDR) High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  Colour gamut standard  Colour gamut  Performance  AMD FreeSync *  AMD FreeSync type  FreeSync Premium Pro  Flicker-free technology  Operating system installed  Tizen  Multimedia  RMS rated power  Built-in speaker(s) *  High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)  Power supply type  External  1993280  1993280  Operational conditions  Operating temperature (T-T)  O - 40 °C  Operating relative humidity (H-H)  10 - 80%  Weight & dimensions  Width (with stand)  Depth (with stand)  Flicker-free technology  Weight (with stand)  Flicker-free technology  Weight (with stand)  Weight (with stand)  Flicker-free technology  Weight (with stand)  Flicker-free technology  Weight (with stand)  Flicker-free technology  Flicker-free technology  Operating system installed  Flicker-free technology  Weight (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Operating system installed  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Weight (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Weight (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Weight (with stand)  Flicker-free technology  Flicker-free	supported	High Dynamic Pange 10 (HDP10)	AC input frequency	50/60 Hz
Colour gamut standard Colour gamut  Performance  AMD FreeSync *  AMD FreeSync type FreeSync Premium Pro  Weight & dimensions  Flicker-free technology Operating system installed Tizen  Multimedia  RMS rated power Built-in speaker(s) *  Performante  DCI-P3  Operating temperature (T-T) O - 40 °C Operating relative humidity (H-H) 10 - 80%  Weight & dimensions  Width (with stand) Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen  Weight (with stand) Sea.6 mm Weight (with stand) Tizen  Weight (with stand) Tizen Tiz	High Dynamic Range (HDR)		Power supply type	External
Colour gamut 99% Operational conditions  Performance Operating temperature (T-T) 0 - 40 °C  AMD FreeSync * Operating relative humidity (H-H) 10 - 80%  AMD FreeSync type FreeSync Premium Pro Weight & dimensions  Flicker-free technology Width (with stand) 719.7 mm  Operating system installed Tizen Depth (with stand) 563.5 mm  Multimedia Height (with stand) 584.6 mm  RMS rated power 10 W  Built-in speaker(s) * Width (without stand) 719.7 mm	3,	•		1993280
Performance  AMD FreeSync *  AMD FreeSync type  FreeSync Premium Pro  Weight & dimensions  Flicker-free technology  Operating system installed  Tizen  Multimedia  RMS rated power  Built-in speaker(s) *  Operating temperature (T-T)  O - 40 °C  Operating relative humidity (H-H)  10 - 80%  Weight & dimensions  Flicker-free technology  Width (with stand)  Tizen  Operating temperature (T-T)  O - 40 °C  Operating temperature (T-T)  O	•			
AMD FreeSync *  AMD FreeSync type  FreeSync Premium Pro  Weight & dimensions  Flicker-free technology  Vidth (with stand)  Depth (with stand)  Flicker-free technology  Multimedia  Height (with stand)  Flicker-free technology  Width (with stand)  Weight (with stand)  Flicker-free technology  Flicker-free technology  Width (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Width (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Width (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Width (with stand)  Flicker-free technology  Flicker-free technology  Flicker-free technology  Flicker-free technology  Width (with stand)  Flicker-free technology  Flicker-f	Colour gamut	99%	Operational conditions	
AMD FreeSync type FreeSync Premium Pro Weight & dimensions  Flicker-free technology Operating system installed Tizen Depth (with stand) Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen Depth (with stand) Flicker-free technology Operating system installed Tizen  Weight & dimensions Tigen	Performance			
Flicker-free technology	AMD FreeSync *	✓	Operating relative humidity (H-H)	10 - 80%
Operating system installed  Tizen  Depth (with stand)  Fig. 715.7 mm  Depth (with stand)  Fig. 715.7 mm  Depth (with stand)  Fig. 715.7 mm  F	AMD FreeSync type	FreeSync Premium Pro	Weight & dimensions	
Multimedia  Height (with stand)  RMS rated power  10 W  Weight (with stand)  8.4 kg  Built-in speaker(s) *  Width (without stand)  719.7 mm	Flicker-free technology	✓	Width (with stand)	719.7 mm
MultimediaHeight (with stand)584.6 mmRMS rated power10 WWeight (with stand)8.4 kgBuilt-in speaker(s) *✓Width (without stand)719.7 mm	Operating system installed	Tizen	,	563.5 mm
Built-in speaker(s) *	Multimedia		· · ·	584.6 mm
Built-in speaker(s) *	RMS rated power	10 W	Weight (with stand)	8.4 kg
	Built-in speaker(s) *		Width (without stand)	719.7 mm
	-1	-	Depth (without stand)	49.2 mm

Design		Weight & dimensions	
Market positioning *	Gaming	Height (without stand)	414.7 mm
Product colour *	Silver	Weight (without stand)	5.3 kg
Feet colour	Silver	Packaging data	
Ports & interfaces		Package width	815 mm
Built-in USB hub *	✓	Package depth	530 mm
USB hub version	3.2 Gen 1 (3.1 Gen 1)	Package height	200 mm
USB upstream port type	USB Type-B	Package weight	12 kg
Number of upstream ports	1	Packaging content	
USB Type-A downstream ports quantity	2	Cables included	AC, DisplayPort, HDMI, USB
HDMI *	✓	Remote control included	✓
HDMI ports quantity	2	Power cable length	1.5 m
HDMI version	2.1	Other features	
DisplayPort out quantity	1		Eye Saver, Gaming Hub, Ultrawide
DisplayPort out version	1.4		GameView, Game Bar 2.0, Smart
HDCP	✓	Brand specific technologies	Calibration, Glare Free, Dynamic Black Equalizer, Al Motion Enhancer
HDCP version	2.2		Pro, Active Voice Amplifier Pro
DC-in jack	✓	Dial point	<b>√</b>
Service port type	USB Type-A	TV Plus	✓
Network		SmartThings app support	✓
Wi-Fi	✓	Virtual assistant	Amazon Alexa & Samsung Bixby
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4	Far-field voice interaction	✓
WI-FI Standards	(802.11n), Wi-Fi 5 (802.11ac)	Universal guide	✓
Bluetooth	✓	Multi View	✓
Bluetooth version	5.2	Adaptive picture	✓
Ergonomics		Compliance certificates	UL
VESA mounting *	<b>√</b>	Certification	Windows 11



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