

## Samsung S90D 2024 83" OLED 4K HDR Smart TV

**Brand :** Samsung

**Product family:** S90D

**Product code:**  
QE83S90DAEXXU

**Product name :** 2024 83"  
S90D OLED 4K HDR Smart TV



- OLED HDR+: Powerful HDR OLED brightness for lifelike picture detail
- Object Tracking Sound Lite & Dolby Atmos®: Experience sound that moves with the action on-screen
- Motion Xcelerator 144Hz: Experience ultra-smooth TV gaming with up to 4K 144Hz motion
- NQ4 AI Gen2 Processor: Brightness, colour and detail boosted by our most intelligent 4K AI processor

2024 83" S90D OLED 4K HDR Smart TV.  
Samsung S90D 2024 83" OLED 4K HDR Smart TV. Display diagonal: 2.11 m (83"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator, Native aspect ratio: 16:9. Digital signal format system: DVB-S2, DVB-C, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black



Display		Performance	
Display diagonal *	2.11 m (83")	AMD FreeSync	✓
HD type *	4K Ultra HD	AMD FreeSync type	FreeSync Premium
Display technology *	OLED		Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Bar, Game Motion Plus, Gaming Hub, HGIG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)
Screen shape *	Flat	Game features	
Native aspect ratio *	16:9		
Motion interpolation technology *	Motion Xcelerator		
Native refresh rate	100 Hz	4K Ultra HD upscaling	✓
Display refresh rates supported	144 Hz	SmartThings app support	✓
Display resolution *	3840 x 2160 pixels	Tap view	✓
Display diagonal (metric)	209 cm	Adaptive picture	✓
Anti-glare screen	✓	Multi View	✓
<b>TV tuner</b>		Smartphone/tablet remote support	✓
Tuner type *	Analog & digital	USB recording	✓
Digital signal format system *	DVB-S2, DVB-C, DVB-T2	ConnectShare (HDD)	✓
Auto channel search	✓	ConnectShare (USB)	✓
<b>Smart TV</b>		<b>Ports &amp; interfaces</b>	
Smart TV *	✓	Audio Return Channel (ARC)	✓
Internet TV *	✓	PC in (D-Sub) *	✗
Operating system installed *	Tizen	Ethernet LAN (RJ-45) ports	1
Timeshift	✓	USB 2.0 ports quantity *	2
Apple AirPlay 2 support	✓	Digital audio optical out	1
Sound mirroring	✓	RF ports quantity	4
Hybrid Broadcast Broadband TV (HbbTV)	✓	Common interface (CI) *	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	Common interface Plus (CI+) *	✓
Smart modes	Game, Movie, Natural	Common interface Plus (CI+) version	1.4
Far-field voice interaction	✓	HDMI ports quantity *	4
TV initiate mirroring	✓	Consumer Electronics Control (CEC)	Anynet+
Universal guide	✓	<b>Management features</b>	
Video apps	Samsung TV Plus	Voice guide	✓
<b>Audio</b>		Electronic Programme Guide (EPG)	✓
Number of speakers *	2	On Screen Display (OSD)	✓
RMS rated power *	40 W	Number of OSD languages	27
Audio output channels	2.1 channels	Auto power off	✓

<b>Audio</b>		<b>Management features</b>	
Audio decoders	Dolby Atmos	Works with Amazon Alexa	✓
Audio pre-selection descriptor	✓	Works with the Google Assistant	✓
Music wall	✓	Works with Samsung Bixby	✓
Active voice amplifier (AVA)	✓	Universal Browse & Play	✓
Multiroom	✓	<b>Power</b>	
Multiroom audio technology	Samsung Multiroom Link	Power consumption (typical) *	150 W
Enhanced Audio Return Channel (eARC)	✓	Power consumption (standby) *	0.5 W
<b>Network</b>		Energy efficiency class (SDR) *	F
Wi-Fi *	✓	Energy efficiency class (HDR) *	G
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Energy consumption (SDR) per 1000 hours *	150 kWh
Bluetooth *	✓	Energy consumption (HDR) per 1000 hours *	192 kWh
Bluetooth version	5.2	AC input voltage	220-240 V
Ethernet LAN *	✓	AC input frequency	50/60 Hz
Web browser	✓	Energy saving mode	✓
<b>Design</b>		Energy efficiency scale	A to G
Product colour *	Black	<b>Brand-specific features</b>	
VESA mounting *	✓	Adaptive Sound Pro, Expert Calibration, NQ4 AI Gen2 Processor, Neural Quantum Processor 4K, Q-Symphony, Smart Calibration, Ultra Viewing Angle	
Panel mounting interface	300 x 200 mm	Samsung technologies (AV/TV)	
Frameless design	✓	<b>Weight &amp; dimensions</b>	
Introduction year	2024	Width (with stand)	1851 mm
Bezel type	4 Bezel-less	Depth (with stand)	359 mm
Stand type	Center stand	Height (with stand)	1133.7 mm
Stand colour	Titanium	Weight (with stand)	39.4 kg
<b>Performance</b>		Width (without stand)	1851 mm
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), OLED HDR+	Depth (without stand)	44.9 mm
Game mode	✓	Height (without stand)	1062.8 mm
Teletext function	✓	Weight (without stand)	37.6 kg
Ambient light sensor	✓	Stand width	36.3 cm
Ambient mode	Ambient Mode+	Stand depth	35.9 cm
Eco sensor	✓	<b>Packaging data</b>	
Brightness detection	✓	Package width	2024 mm
AI Upscale	✓	Package depth	189 mm
TV key support	✓	Package height	1234 mm
Picture processing technology	Samsung Real Depth Enhancer	Package weight	52.1 kg
High Dynamic Range (HDR) supported *	✓	Package type	Box
		<b>Packaging content</b>	
		Desktop stand	✓
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2360E + TM1240A



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