

## Samsung S90D 2024 48" OLED 4K HDR Smart TV

**Brand :** Samsung

**Product family:** S90D

**Product code:**  
QE48S90DAEXXU

**Product name :** 2024 48"  
S90D OLED 4K HDR Smart TV



- OLED: Pure blacks and bright whites from individually controlled pixels
- 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 48" S90D OLED 4K HDR Smart TV. Display diagonal: 121.9 cm (48"), 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-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black



Display		Performance	
Display diagonal *	121.9 cm (48")	High Dynamic Range (HDR) supported *	✓
HD type *	4K Ultra HD	AMD FreeSync	✓
Display technology *	OLED	AMD FreeSync type	FreeSync Premium
Screen shape *	Flat	Game features	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)
Native aspect ratio *	16:9	SmartThings app support	✓
Motion interpolation technology *	Motion Xcelerator	Tap view	✓
Native refresh rate	100 Hz	Adaptive picture	✓
Display refresh rates supported	144 Hz	Multi View	✓
Display resolution *	3840 x 2160 pixels	Smartphone/tablet remote support	✓
Display diagonal (metric)	120 cm	USB recording	✓
Anti-glare screen	✓	ConnectShare (HDD)	✓
<b>TV tuner</b>		ConnectShare (USB)	✓
Tuner type *	Analog & digital	<b>Ports &amp; interfaces</b>	
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	Audio Return Channel (ARC)	✓
Number of tuners	2 tuner(s)	PC in (D-Sub) *	✗
Auto channel search	✓	Ethernet LAN (RJ-45) ports	1
<b>Smart TV</b>		USB 2.0 ports quantity *	2
Smart TV *	✓	Digital audio optical out	1
Internet TV *	✓	RF ports quantity	4
Operating system installed *	Tizen	Common interface (CI) *	✓
Timeshift	✓	Common interface Plus (CI+) *	✓
Apple AirPlay 2 support	✓	Common interface Plus (CI+) version	1.4
Sound mirroring	✓	HDMI ports quantity *	4
Hybrid Broadcast Broadband TV (HbbTV)	✓	Consumer Electronics Control (CEC)	Anynet+
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	<b>Management features</b>	
Smart modes	Game, Movie, Natural	Voice guide	✓
Far-field voice interaction	✓	Electronic Programme Guide (EPG)	✓
TV initiate mirroring	✓	On Screen Display (OSD)	✓
Universal guide	✓	Number of OSD languages	27
Video apps	Samsung TV Plus	Auto power off	✓
<b>Audio</b>			
Number of speakers *	2		
RMS rated power *	40 W		

<b>Audio</b>		<b>Management features</b>	
Audio output channels	2.1 channels	Works with Amazon Alexa	✓
Audio decoders	Dolby Atmos	Works with the Google Assistant	✓
Audio pre-selection descriptor	✓	Works with Samsung Bixby	✓
Music wall	✓	Universal Browse & Play	✓
Active voice amplifier (AVA)	✓	<b>Power</b>	
Multiroom	✓	Power consumption (typical) *	66 W
Multiroom audio technology	Samsung Multiroom Link	Power consumption (standby) *	0.5 W
Enhanced Audio Return Channel (eARC)	✓	Energy efficiency class (SDR) *	G
<b>Network</b>		Energy efficiency class (HDR) *	G
Wi-Fi *	✓	Energy consumption (SDR) per 1000 hours *	66 kWh
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Energy consumption (HDR) per 1000 hours *	88 kWh
Bluetooth *	✓	AC input voltage	220-240 V
Bluetooth version	5.2	AC input frequency	50/60 Hz
Ethernet LAN *	✓	Energy saving mode	✓
Web browser	✓	Energy efficiency scale	A to G
<b>Design</b>		<b>Brand-specific features</b>	
Product colour *	Black	Adaptive Sound Pro, Expert Calibration, NQ4 AI Gen2 Processor, Neural Quantum Processor 4K, Q-Symphony, Smart Calibration, Ultra Viewing Angle	
VESA mounting *	✓	Samsung technologies (AV/TV)	
Panel mounting interface	300 x 200 mm	<b>Weight &amp; dimensions</b>	
Frameless design	✓	Width (with stand)	1069.3 mm
Introduction year	2024	Depth (with stand)	265.2 mm
Bezel type	4 Bezel-less	Height (with stand)	685.9 mm
Stand type	Center stand	Weight (with stand)	11.9 kg
Stand colour	Titanium	Width (without stand)	1069.3 mm
<b>Performance</b>		Depth (without stand)	39.6 mm
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG)	Height (without stand)	619.9 mm
Game mode	✓	Weight (without stand)	10.6 kg
Teletext function	✓	Stand width	36.6 cm
Ambient light sensor	✓	Stand depth	26.5 cm
Ambient mode	Ambient Mode+	<b>Packaging data</b>	
Eco sensor	✓	Package width	1202 mm
Brightness detection	✓	Package depth	143 mm
AI Upscale	✓	Package height	748 mm
TV key support	✓	Package weight	16.5 kg
Picture processing technology	Samsung Real Depth Enhancer	Package type	Box
		<b>Packaging content</b>	
		Desktop stand	✓
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2360E + TM1240A



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