

Samsung S90D 2024 55" OLED 4K HDR Smart TV

Brand : Samsung

Product family: S90D

Product code: QE55S90DAEXXU

Product name : 2024 55" 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 55" S90D OLED 4K HDR Smart TV. Display diagonal: 139.7 cm (55"), 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 *	139.7 cm (55")	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		
Motion interpolation technology *	Motion Xcelerator		
Native refresh rate	100 Hz		
Display refresh rates supported	144 Hz	SmartThings app support	✓
Display resolution *	3840 x 2160 pixels	Tap view	✓
Display diagonal (metric)	138 cm	Adaptive picture	✓
Anti-glare screen	✓	Multi View	✓
TV tuner		Smartphone/tablet remote support	✓
Tuner type *	Analog & digital	USB recording	✓
Digital signal format system *	DVB-S2, DVB-C, DVB-T2	ConnectShare (HDD)	✓
Number of tuners	2 tuner(s)	ConnectShare (USB)	✓
Auto channel search	✓	Ports & interfaces	
Smart TV		Audio Return Channel (ARC)	✓
Smart TV *	✓	PC in (D-Sub) *	✗
Internet TV *	✓	Ethernet LAN (RJ-45) ports	1
Operating system installed *	Tizen	USB 2.0 ports quantity *	2
Timeshift	✓	Digital audio optical out	1
Apple AirPlay 2 support	✓	RF ports quantity	4
Sound mirroring	✓	Common interface (CI) *	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	Common interface Plus (CI+) *	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3	Common interface Plus (CI+) version	1.4
Smart modes	Game, Movie, Natural	HDMI ports quantity *	4
Far-field voice interaction	✓	Consumer Electronics Control (CEC)	Anynet+
TV initiate mirroring	✓	Management features	
Universal guide	✓	Voice guide	✓
Video apps	Samsung TV Plus	Electronic Programme Guide (EPG)	✓
Audio		On Screen Display (OSD)	✓
Number of speakers *	2	Number of OSD languages	27
RMS rated power *	40 W	Auto power off	✓

Audio		Management features	
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)	✓	Power	
Multiroom	✓	Power consumption (typical) *	81 W
Multiroom audio technology	Samsung Multiroom Link	Power consumption (standby) *	0.5 W
Enhanced Audio Return Channel (eARC)	✓	Energy efficiency class (SDR) *	G
Network		Energy efficiency class (HDR) *	G
Wi-Fi *	✓	Energy consumption (SDR) per 1000 hours *	81 kWh
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Energy consumption (HDR) per 1000 hours *	116 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
Design		Brand-specific features	
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	Weight & dimensions	
Frameless design	✓	Width (with stand)	1225.4 mm
Introduction year	2024	Depth (with stand)	265.2 mm
Bezel type	4 Bezel-less	Height (with stand)	773.6 mm
Stand type	Center stand	Weight (with stand)	15.9 kg
Stand colour	Titanium	Width (without stand)	1225.4 mm
Performance		Depth (without stand)	39.9 mm
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), OLED HDR+	Height (without stand)	708.6 mm
Game mode	✓	Weight (without stand)	14.6 kg
Teletext function	✓	Stand width	36.6 cm
Ambient light sensor	✓	Stand depth	26.5 cm
Ambient mode	Ambient Mode+	Packaging data	
Eco sensor	✓	Package width	1385 mm
Brightness detection	✓	Package depth	153 mm
AI Upscale	✓	Package height	832 mm
TV key support	✓	Package weight	21.4 kg
Picture processing technology	Samsung Real Depth Enhancer	Package type	Box
		Packaging content	
		Desktop stand	✓
		Cables included	AC
		Remote control included	✓
		Remote control type	TM2360E + TM1240A



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