Samsung 55" OLED S90F 4K Vision AI Smart TV (2025)

Brand : Samsung Product code: QE55S90FAEXXU

Product name : 55" OLED S90F 4K Vision Al Smart TV (2025)

- 4K Al Upscaling Pro & NQ4 Al Gen3 Processor 1 : Our best 4K Al processor optimises picture and sound for our ultimate 4K viewing
- OLED Technology with OLED HDR+: Pure blacks and vivid colour expertly balanced for cinematic viewing
- Al Motion Enhancer Pro and Motion Xcelerator 144 Hz^7 : Al delivers ultra-smooth motion and virtually no lag or blur for sports and gaming
- Dolby Atmos® with Object Tracking Sound Lite: Immersive surround sound that flows with every action
- LaserSlim Design: An elegantly minimal TV design that's gorgeous to look at, from all sides 55" OLED S90F 4K Vision AI Smart TV (2025)

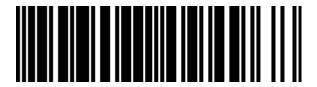
Samsung 55" OLED S90F 4K Vision Al Smart TV (2025). Display diagonal: 139.7 cm (55"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Screen shape: Flat. Smart TV. Motion interpolation technology: Motion Xcelerator, Native aspect ratio: 16:9. Digital signal format system: DVB-S2, DVB-C, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black





Display		Performance	
Display diagonal *	139.7 cm (55")	Tap view	✓
HD type *	4K Ultra HD	Multi View	✓
Display technology *	OLED	Smartphone/tablet remote support	✓
Screen shape *	Flat	Ports & interfaces	
Native aspect ratio * Motion interpolation technology *	16:9 Motion Xcelerator	Audio Return Channel (ARC)	✓
Native refresh rate	100 Hz	, ,	
Display refresh rates supported	144 Hz	PC in (D-Sub) * Ethernet LAN (RJ-45) ports	X 1
Display resolution *	3840 x 2160 pixels	USB 2.0 ports quantity *	2
Display diagonal (metric)	138 cm	Digital audio optical out	1
Anti-glare screen	✓	RF ports quantity	4
TV tuner		Common interface (CI) *	/
Tuner type *	Analog & digital	Common interface Plus (CI+) *	✓
Digital signal format system * Number of tuners	DVB-S2, DVB-C, DVB-T2 2 tuner(s)	Common interface Plus (CI+) version	1.4
Auto channel search	✓ ·	HDMI ports quantity *	4
Smart TV		Consumer Electronics Control (CEC)	Anynet+
		Management features	
Smart TV *	✓	Voice guide	✓
Internet TV *	✓	Electronic Programme Guide (EPG)	✓
Operating system installed *	Tizen	On Screen Display (OSD)	✓
Apple AirPlay 2 support	✓	Number of OSD languages	27
Sound mirroring	✓	Auto power off	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	Works with Amazon Alexa	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.4	Works with the Google Assistant Works with Samsung Bixby	<i>y</i>
Far-field voice interaction	✓	3 ,	•
TV initiate mirroring	✓	Power	
Universal guide	✓	Power consumption (typical) *	80 W
Audio		Power consumption (standby) *	0.5 W
		Energy efficiency class (SDR) *	G
RMS rated nower *	60 W	Energy efficiency class (HDD) *	G
RMS rated power * Audio output channels	60 W 2.1.2 channels	Energy efficiency class (HDR) * Energy consumption (SDR) per 1000	G
RMS rated power * Audio output channels Audio decoders	60 W 2.1.2 channels Dolby Atmos	Energy efficiency class (HDR) * Energy consumption (SDR) per 1000 hours *	

Audio		Power	
Audio pre-selection descriptor	✓	Energy consumption (HDR) per 1000 hours *	203 kWh
Enhanced Audio Return Channel (eARC)	✓	AC input voltage	220-240 V
Network		AC input frequency	50/60 Hz
		Energy saving mode	✓
Wi-Fi *	✓	Energy efficiency scale	A to G
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Brand-specific features	
Bluetooth *	√		4K AI Upscaling, AI Auto Game
Bluetooth version	5.3		Mode, Al Energy Mode, Active Voice
Ethernet LAN *	•		Amplifier Pro, Adaptive Sound Pro, Auto HDR Remastering, EyeComfort Mode, Karaoke Mode, LaserSlim
Web browser	•	Samsung technologies (AV/TV)	
Design			Design, Object Tracking Sound Lite, Q-Symphony, Smart Calibration,
Product colour *	Black		Ultra Viewing Angle
VESA mounting *	✓	Technical details	
Panel mounting interface	300 x 200 mm	Processor	NQ4 AI Gen3
Introduction year	2025		NQT AI GEIIS
Bezel type	4 Bezel-less	Weight & dimensions	
Stand type	Center stand	Width (with stand)	1225.4 mm
Performance		Depth (with stand)	265.2 mm 773.6 mm
	Filmmaker Mode, High Dynamic	Height (with stand) Weight (with stand)	15.9 kg
High Dynamic Range (HDR)	Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range	Width (without stand)	1225.4 mm
technology	10+ Gaming (HDR10 Plus Gaming),	Depth (without stand)	39.9 mm
_	Hybrid Log-Gamma (HLG)	Height (without stand)	708.6 mm
Game mode	•	Weight (without stand)	14.6 kg
Ambient mode	Yes	Stand width	36.6 cm
Al Upscale	✓	Stand depth	26.5 cm
TV key support	✓	Packaging data	
Picture processing technology	Samsung Real Depth Enhancer	Package width	1385 mm
High Dynamic Range (HDR) supported *	✓	Package depth	153 mm
AMD FreeSync	√	Package height	832 mm
AMD FreeSync type	FreeSync Premium Pro	Package weight	21.4 kg
, ,,	Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, Mini Map Zoom, Surround Sound, Ultra Wide Game,	Packaging content	
Game features		Desktop stand	1
		Cables included	AC
	Variable Refresh Rate (VRR)	Remote control included	V
SmartThings app support	•	Remote control type	TM2560E (EU 5 country)(+TM1240A), TM2360E(except 5 country)



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