

Samsung Q55S90FAE 139.7 cm (55") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung

Product code: Q55S90FAEXZG

Product name : Q55S90FAE



Samsung Q55S90FAE. 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")	Game features	Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, Mini Map Zoom, Surround Sound, Ultra Wide Game, Variable Refresh Rate (VRR)
HD type *	4K Ultra HD		
Display technology *	OLED		
Screen shape *	Flat		
Native aspect ratio *	16:9	SmartThings app support	✓
Motion interpolation technology *	Motion Xcelerator	Tap view	✓
Native refresh rate	100 Hz	Multi View	✓
Display refresh rates supported	144 Hz	Ports & interfaces	
Display resolution *	3840 x 2160 pixels	Audio Return Channel (ARC)	✓
Display diagonal (metric)	138 cm	PC in (D-Sub) *	✗
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
TV tuner		USB 2.0 ports quantity *	2
Tuner type *	Analog & digital	Digital audio optical out	1
Digital signal format system *	DVB-S2, DVB-C, DVB-T2	RF ports quantity	4
Number of tuners	2 tuner(s)	Common interface (CI) *	✓
Auto channel search	✓	Common interface Plus (CI+) *	✓
Smart TV		Common interface Plus (CI+) version	1.4
Smart TV *	✓	HDMI ports quantity *	4
Internet TV *	✓	Consumer Electronics Control (CEC)	Anynet+
Operating system installed *	Tizen	Management features	
Apple AirPlay 2 support	✓	Voice guide	✓
Sound mirroring	✓	Electronic Programme Guide (EPG)	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	On Screen Display (OSD)	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.4	Number of OSD languages	28
Far-field voice interaction	✓	Auto power off	✓
TV initiate mirroring	✓	Works with Amazon Alexa	✓
Universal guide	✓	Works with the Google Assistant	✓
Audio		Works with Samsung Bixby	✓
RMS rated power *	40 W	Power	
Audio output channels	2.1 channels	Power consumption (typical) *	80 W
Audio decoders	Dolby Atmos	Power consumption (standby) *	0.5 W
Audio pre-selection descriptor	✓	Energy efficiency class (SDR) *	G
Enhanced Audio Return Channel (eARC)	✓	Energy efficiency class (HDR) *	G
Network		Energy consumption (SDR) per 1000 hours *	80 kWh
Wi-Fi *	✓	Energy consumption (HDR) per 1000 hours *	203 kWh
Wi-Fi standards	Wi-Fi 5 (802.11ac)	AC input voltage	220-240 V
Bluetooth *	✓	AC input frequency	50/60 Hz

Network		Power	
Bluetooth version	5.3	Energy saving mode	✓
Ethernet LAN *	✓	Energy efficiency scale	A to G
Web browser	✓	Brand-specific features	
Design		Samsung technologies (AV/TV)	4K AI Upscaling, AI Auto Game Mode, AI Energy Mode, Active Voice Amplifier Pro, Adaptive Sound Pro, Auto HDR Remastering, EyeComfort Mode, Karaoke Mode, LaserSlim Design, Object Tracking Sound Lite, Q-Symphony, Smart Calibration, Ultra Viewing Angle
Product colour *	Black		
VESA mounting *	✓		
Panel mounting interface	300 x 200 mm		
Introduction year	2025		
Bezel type	4 Bezel-less		
Stand type	Center stand	Technical details	
Performance		Processor	NQ4 AI Gen3
High Dynamic Range (HDR) technology	Filmmaker Mode, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming), Hybrid Log-Gamma (HLG)	Weight & dimensions	
		Width (with stand)	1225.4 mm
		Depth (with stand)	265.2 mm
Game mode	✓	Height (with stand)	773.6 mm
Ambient mode	Yes	Weight (with stand)	15.9 kg
AI Upscale	✓	Width (without stand)	1225.4 mm
TV key support	✓	Depth (without stand)	39.9 mm
Picture processing technology	Samsung Real Depth Enhancer	Height (without stand)	708.6 mm
High Dynamic Range (HDR) supported *	✓	Weight (without stand)	14.6 kg
AMD FreeSync	✓	Stand width	36.6 cm
AMD FreeSync type	FreeSync Premium Pro	Stand depth	26.5 cm
		Packaging data	
		Package width	1385 mm
		Package depth	153 mm
		Package height	832 mm
		Package weight	21.4 kg
		Packaging content	
		Desktop stand	✓
		Remote control included	✓



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