

Samsung S90F QE48S90FAEXXH TV 121.9 cm (48") 4K Ultra HD Smart TV Wi-Fi Black

Brand : Samsung

Product family: S90F

Product code:
QE48S90FAEXXH

Product name :
QE48S90FAEXXH

Samsung S90F QE48S90FAEXXH. 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")	AMD FreeSync type	FreeSync Premium
HD type *	4K Ultra HD		Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)
Display technology *	OLED	Game features	
Screen shape *	Flat		
Native aspect ratio *	16:9		
Motion interpolation technology *	Motion Xcelerator		
Native refresh rate	100 Hz	Tap view	✓
Display refresh rates supported	144 Hz	Multi View	✓
Display resolution *	3840 x 2160 pixels		
Display diagonal (metric)	120 cm		
TV tuner		Ports & interfaces	
Tuner type *	Analog & digital	PC in (D-Sub) *	✗
Digital signal format system *	DVB-C, DVB-S2, DVB-T2	Ethernet LAN (RJ-45) ports	1
Number of tuners	2 tuner(s)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Smart TV		Digital audio optical out	1
Smart TV *	✓	RF ports quantity	4
Internet TV *	✓	Common interface (CI) *	✓
Operating system installed *	Tizen	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	HbbTV 2.0.4		
Far-field voice interaction	✓		
Video apps	Samsung TV Plus		
Audio		Management features	
RMS rated power *	40 W	Voice guide	✓
Audio output channels	2.1 channels	Electronic Programme Guide (EPG)	✓
Audio decoders	Dolby Atmos	On Screen Display (OSD)	✓
Sound modes	Adaptive Sound Pro	Number of OSD languages	28
		On Screen Display (OSD) languages	Multi
		Auto power off	✓
		Works with Amazon Alexa	✓
		Works with the Google Assistant	✓
		Works with Samsung Bixby	✓

Audio		Management features	
Audio pre-selection descriptor	✔	Universal Browse & Play	✔
Object Tracking Sound+ (OTS+)	✔	Power	
Active voice amplifier (AVA)	✔	Power consumption (typical) *	64.7 W
Enhanced Audio Return Channel (eARC)	✔	Power consumption (standby) *	0.5 W
Network		Power consumption (max)	230 W
Wi-Fi *	✔	Energy efficiency class (SDR) *	G
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Energy efficiency class (HDR) *	G
Bluetooth *	✔	Energy consumption (SDR) per 1000 hours *	65 kWh
Bluetooth version	5.3	Energy consumption (HDR) per 1000 hours *	132 kWh
Ethernet LAN *	✔	AC input voltage	220-240 V
Web browser	✔	AC input frequency	50/60 Hz
Design		Energy saving mode	✔
Product colour *	Black	Energy efficiency scale	A to G
VESA mounting *	✔	Brand-specific features	
Panel mounting interface	300 x 200 mm	Samsung technologies (AV/TV)	4K AI Upscaling Pro, AI Motion Enhancer Pro, Auto HDR Remastering Pro, Built-in SmartThings Hub, EyeComfort Mode, LaserSlim Design, Multiple Voice Assistants, NQ4 AI Gen3 Processor, Object Tracking Sound Lite, Q-Symphony, Samsung Health, Samsung TV Plus, Smart Calibration, Ultra Viewing Angle
Introduction year	2025		
Bezel type	4 Bezel-less		
Slim fit wall mount support	✔		
Stand type	Center stand		
Stand colour	Silver		
Performance		Weight & dimensions	
High Dynamic Range (HDR) technology	Filmmaker Mode, High Dynamic Range 10+ Adaptive (HDR10 Plus Adaptive), High Dynamic Range 10+ Gaming (HDR10 Plus Gaming)	Width (with stand)	1069.3 mm
Game mode	✔	Depth (with stand)	265.2 mm
Eco sensor	✔	Height (with stand)	685.9 mm
AI Upscale	✔	Weight (with stand)	11.9 kg
TV key support	✔	Width (without stand)	1069.3 mm
Picture processing technology	Samsung Real Depth Enhancer	Depth (without stand)	39.6 mm
Picture processor	NQ4 AI Gen3	Height (without stand)	619.9 mm
High Dynamic Range (HDR) supported *	✔	Weight (without stand)	10.6 kg
AMD FreeSync	✔	Stand width	36.6 cm
		Stand depth	26.5 cm
		Packaging data	
		Package width	1202 mm
		Package depth	143 mm
		Package height	748 mm
		Package weight	16.5 kg
		Package type	Box
		Packaging content	
		Remote control included	✔
		Remote control type	TM2560E



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