

SAMSUNG

2024 Series S90D TV



General	OLED	OLED	OLED	OLED	OLED
Screen Size	83	77	65	55	48
Screen diagonal in cm	209	195	163	138	120
Serie	S90D	S90D	S90D	S90D	S90D
Modellcode	QE83S90DAEXZU	QE77S90DAEXZU	QE65S90DATXZU	QE55S90DAEXZU	QE48S90DAEXZU
EAN	8806095565194	8806095565149	8806095498072	8806095565132	8806095565187
UVP/RRP CHF	6999	4499	3299	2499	1999

Dimensions (W x H x D in mm)					
Set Size with Stand	1851.0 x 1133.7 x 359.0	1718.5 x 1058.6 x 359.0	1444.3 x 896.7 x 265.2	1225.4 x 773.6 x 265.2	1096.3 x 685.9 x 265.2
Set Size without Stand	1851.0 x 1062.8 x 44.9	1718.5 x 987.6 x 44.9	1444.3 x 831.7 x 39.9	1225.4 x 708.6 x 39.9	1096.3 x 619.9 x 39.6
Package Size	2024 x 1234 x 189	1885 x 1154 x 180	1617 x 950 x 160	1385 x 832 x 153	1202 x 748 x 143
Stand (Basic) (WxD)	366.0 x 359.0	366.0 x 359.0	366.0 x 265.2	366.0 x 265.2	366.0 x 265.2
VESA Spec	400 x 300	400 x 300	300 x 200	300 x 200	300 x 200

Weight (kg)					
Set Weight with Stand	39.4	36.6	22.5	17.3	12
Set Weight without Stand	37.6	34.8	21.2	16.0	11
Package Weight	52.1	46.8	29.9	22.9	17

Energy					
Energy Efficiency Class	F	F	F	G	G
Power Consumption (Max) (W)	670	490	390	320	210
Power Consumption (Stand-by)	0.50	0.50	0.50	0.50	0.50

Picture					
Resolution	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)
Refresh Rate	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)
Color	Perceptual Color Mapping	Perceptual Color Mapping	Perceptual Color Mapping	Perceptual Color Mapping	Perceptual Color Mapping
Picture Engine	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor
HDR (High Dynamic Range)	OLED HDR+	OLED HDR+	OLED HDR+	OLED HDR+	OLED HDR
HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes	Yes
Motion Technology	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz
Contrast	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels
Anti Reflection	Yes	Yes	Yes	Yes	Yes
Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle
Micro Dimming	-	-	-	-	-
Contrast Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer
Expert Calibration	-	-	-	-	-
Smart Calibration	Basic	Basic	Basic	Basic	Basic
Picture Upscale	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling

Audio					
Dolby Atmos	Yes	Yes	Yes	Yes	Yes
Object Tracking Sound	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite
Q-Symphony	Yes	Yes	Yes	Yes	Yes
Active Voice Amplifier Pro	Yes	Yes	Yes	Yes	Yes
Adaptive Sound	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro
Sound Output (RMS)	60W	60W	60W	60W	40W
Speaker Type	2.1CH	2.1.2CH	2.1.2CH	2.1.2CH	2.1CH
Main Speaker Output (W)	10W+10W	10W+10W	10W+10W	10W+10W	10W+10W
Woofer Speaker Output (W)	20W	20W	20W	20W	20W
Tweeter Speaker Output (W)	-	-	-	-	-
Bluetooth Audio	Yes	Yes	Yes	Yes	Yes

Smart Service

Smart TV Type	Yes	Yes	Yes	Yes	Yes
TV Plus	Yes	Yes	Yes	Yes	Yes

Smart Features

Multi-View	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos
Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+	Ambient Mode+	Ambient Mode+
Mobile to TV Mirroring	Yes	Yes	Yes	Yes	Yes

Connectivity

HDMI Port Qty	4	4	4	4	4
USB Port Qty	2 x USB-A	2 x USB-A	2 x USB-A	2 x USB-A	2 x USB-A
eArc	eARC	eARC	eARC	eARC	eARC
EPG	Yes	Yes	Yes	Yes	Yes
Picture-in-Picture BT HID Support	Yes	Yes	Yes	Yes	Yes
USB HID Support Teletext (TTX)	Yes	Yes	Yes	Yes	Yes
Time Shift	Yes	Yes	Yes	Yes	Yes
WiFi	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)
Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
CI Slot	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)
Digital Broadcasting	Q70↑DVB-T2CS2 x 2, Q60 DVB-T2CS2	Q70↑DVB-T2CS2 x 2, Q60 DVB-T2CS2	Q70↑DVB-T2CS2 x 2, Q60 DVB-T2CS2	Q70↑DVB-T2CS2 x 2, Q60 DVB-T2CS2	Q70↑DVB-T2CS2 x 2, Q60 DVB-T2CS2
Analog Tuner	Yes	Yes	Yes	Yes	Yes
2 Tuner	Yes	Yes	Yes	Yes	Yes
CI (Common Interface)	1	1	1	1	1

Game Feature

HDMI (High Frame Rate; HDMI 2.1)	Yes	Yes	Yes	Yes	Yes
Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes	Yes
Game Motion Plus	Yes	Yes	Yes	Yes	Yes
Dynamic Black EQ	Yes	Yes	Yes	Yes	Yes
Surround Sound	Yes	Yes	Yes	Yes	Yes
Super Ultra Wide Game View	Yes	Yes	Yes	Yes	Yes
Game bar	Yes	Yes	Yes	Yes	Yes
FreeSync	FreeSync Premium	FreeSync Premium	FreeSync Premium	FreeSync Premium	FreeSync Premium

Design

Design	LaserSlim	LaserSlim	LaserSlim	LaserSlim	LaserSlim
Design Color	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black
Stand Type	Simple Plus Blade	Simple Plus Blade	Simple Plus Blade	Simple Plus Blade	Simple Plus Blade
Stand Color	Space Titan	Space Titan	Space Titan	Space Titan	Space Titan

In-Box

User Manual Power Cable	Yes	Yes	Yes	Yes	Yes
One Connect Box	-	-	-	-	-
Remote Control	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote

Optional Accessory

Slim Fit Wall-Mount	-	-	Yes	Yes	Yes
Auto Rotating Wall-Mount	-	-	-	-	-
Auto Rotating Studio Stand	-	-	-	-	-
Studio Stand	-	-	-	-	-
Soundbar: perfect-match	HW-Q990D / HW-S800D	HW-Q990D / HW-S800D	HW-Q930D / HW-S700D	HW-Q700D / HW-S700D	HW-Q600C / HW-S700D