SAMSUNG

S90C - OLED 4K Smart TV (2023)

Experience the Wow difference of Samsung OLED



55", 65", 77"

Top Features

Samsung OLED Technology	With over 8 million specially engineered self-illuminating pixels, contrast is breathtaking. At its best in-viewing settings with controlled lighting, colour and brightness is stunning and life-like with Samsung's QD-OLED pixels powered by Quantum Dot technology. ¹	
Quantum HDR OLED	The Quantum HDR OLED panel allows for HDR10+ content to reveal what you might have missed in particularly dark or light scenes, making them pop with breathtaking colour and contrast. $^{\rm 2}$	
Dolby Atmos	Lose yourself in the breathtaking realism of cinematic sound, right in your own home. Your Samsung TV features Dolby Atmos support to deliver larger-than-life audio experiences. ³	
Object Tracking Sound Lite (OTS Lite)	Object Tracking Sound Lite uses AI and the TVs bottom speakers to simulate a 3D audio experience which appears to track the action on Screen. ⁴	

- 1 Picture quality may vary depending on quality and resolution of source content and viewing conditions. 2 Source content must be HDR1D+ format. The Range of Quantum HDR claims luminance based on internal testing standards and is subject to change according to viewing environment or specific conditions.
- 3 Source content must be Dolby Atmos® enabled for Dolby Atmos® playback.
- 4 The quality of sound effects may vary depending on the source content, installation and environmental characteristics (e.g.ceiling).

Autor Mark lingth Description Mark lingth Description Diskly Street Size 55 45 77 Readers 3.86 v.2 Mo 3.86 v.2 Mo 3.86 v.2 Mo 3.86 v.2 Mo Markel Readers 3.86 v.2 Mo 3.86 v.2 Mo 3.86 v.2 Mo 3.86 v.2 Mo Markel Readers 3.86 v.2 Mo Nauer Elements 4.86 v.2 Mo 3.86 v.2 Mo View Restarting film Nauer Elements Nauer Elements 6.80 v.2 Mo 3.86 v.2 Mo <th>Product</th> <th>Product Category</th> <th>55" OLED</th> <th>65" OLED</th> <th>77" OLED</th>	Product	Product Category	55" OLED	65" OLED	77" OLED
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Buds Auto Switch Yes Yes Yes Smart Service Operating System Tizen ¹ Smart TV Tizen ¹ Smart TV Tizen ¹ Smart TV Bixby Yes Yes Yes Far-Field Voice Interaction Yes Yes Yes Built-In Voice Assistant Alexa Alexa Alexa Vorks with Al Speaker Yes Yes Yes Web Browser Yes Yes Yes Web Browser Yes Yes Yes Yes Yes Yes Yes		Adaptive Sound	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+
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Operating SystemTizen M Smart TVTizen M Smart TVTizen M Smart TVBixbyYesYesYesFar-Field Voice InteractionYesYesYesBuilt-in Voice AssistantAlexaAlexaAlexaWorks with Al SpeakerAlexa, Google AssistantAlexa, Google AssistantAlexa, Google AssistantSamsung TV PlusYesYesYesWeb Browser SmartThings Hub / Matter Hub / IoT-Sensor FunctionalityYesYesYesYesYesYesYesYes	Smort Service				
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Built-in Voice AssistantAlexaAlexaAlexaWorks with Al SpeakerAlexa, Google AssistantAlexa, Google AssistantAlexa, Google AssistantSamsung TV PlusYesYesYesWeb Browser SmartThings Hub / NoT-Sensor FunctionalityYesYesYesYesYesYesYes		Bixby	Yes	Yes	Yes
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Web BrowserYesYesYesSmartThings Hub / IoT-SensorFunctionalityYesYes			Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
SmartThings Hub / Matter Hub / IoT-Sensor Functionality Yes Yes Yes Yes		Samsung TV Plus	Yes	Yes	Yes
Functionality Yes Yes Yes			Yes	Yes	Yes
Media Home Yes Yes Yes		Functionality	Yes	Yes	Yes
		Media Home	Yes	Yes	Yes

		55"	65"	77"
Smart Feature	NFC on TV	N/A	N/A	N/A
	Video Communication Tap View	Google Meet Yes (requires Android 8.1↑ with Screen Cast capabilities)	Google Meet Yes (requires Android 8.1↑ with Screen Cast capabilities)	Google Meet Yes (requires Android 8.1↑ with Screen Cast capabilities)
	Multi-View	Up to 2 videos	Up to 2 videos	Up to 2 videos
	Music Wall	Yes	Yes	Yes
	Mobile Camera Support	Yes	Yes	Yes
	Easy Setup	Yes	Yes	Yes
	AppCasting	Yes	Yes	Yes
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Wireless Dex	Yes	Yes	Yes
	Web Service	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)
Game Feature	Auto Game Mode (ALLM)	Yes	Yes	Yes
	Game Motion Plus	Yes	Yes	Yes
	Dynamic Black EQ	Yes	Yes	Yes
	Surround Sound	Yes	Yes	Yes
	Super Ultra Wide Game View	Yes	Yes	Yes
	MiniMap Zoom	Yes	Yes	Yes
	Light-sync	N/A	N/A	N/A
	Freesync	FreeSync Premium	FreeSync Premium	FreeSync Premium
	HGiG	Yes	Yes	Yes
	Gaming Hub	N/A	N/A	N/A
Tuner/Broadcasting				
	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
	Analog Tuner	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A
Connectivity				
connectivity	HDMI	4	4	4
	HDMI (High Frame Rate)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)
	HDMI Audio Return Channel	eARC	eARC	eARC
	USB	2	2	2
	USB-C (Camera Only)	N/A	N/A	N/A
	Component In (Y/Pb/Pr)	N/A	N/A	N/A
	Composite In (AV)	N/A	N/A	N/A
	Ethernet (LAN)	Yes	Yes	Yes
	Audio Out (Mini Jack)	N/A	N/A	N/A
	Digital Audio Out (Optical)	1 1/1(Common Use for Terrestrial)/0	1 1/1(Common Use for Terrestrial)/0	1 1/1(Common Use for Terrestrial)/0
	RF In (Terrestrial / Cable input / Satellite input)			
	Ex-Link (RS-232C)		N/A	N/A
	WiFi	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes

		55"	65"	77"
Design	Design	LaserSlim Design	LaserSlim Design	LaserSlim Design
	Bezel Type	4 Bezel-less	4 Bezel-less	4 Bezel-less
	Slim Type	Ultra Slim	Ultra Slim	Ultra Slim
	Front Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK
	Stand Type	SIMPLE PLUS-METAL	SIMPLE PLUS-METAL	SIMPLE PLUS-METAL
	Stand Colour Slim Type	TITAN BLACK Ultra Slim	TITAN BLACK Ultra Slim	TITAN BLACK Ultra Slim
	Front Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK
	Stand Type	SLIM OC STAND	SLIM OC STAND	SLIM OC STAND
	Stand Colour	TITAN BLACK	TITAN BLACK	TITAN BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A
	9:16 Screen Support	N/A	N/A	N/A
	Caption (Subtitle)	Yes	Yes	Yes
	EPG	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages
	Picture-In-Picture	N/A	N/A	N/A
	Teletext (TTX)	Yes	Yes	N/A
	Time Shift	Yes	Yes	Yes
	One Connect Box	N/A	N/A	N/A
	MBR Support	Yes	Yes	Yes
	Horseppore		105	
Accessibility	Voice Guide	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay
	Learn TV Remote / Learn Menu Screen	English, French, Spanish, Portuguese, Persian, Indonesian, Thai, Vietnamese, Arabic (Languages are supported if there is a language that matches the OSD language)	English, French, Spanish, Portuguese, Persian, Indonesian, Thai, Vietnamese, Arabic (Languages are supported if there is a language that matches the OSD language)	English, French, Spanish, Portuguese, Persian, Indonesian, Thai, Vietnamese, Arabic (Languages are supported if there is a language that matches the OSD language)
Power & Eco Solution				
	Power Supply	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz
	Power Consumption (Max)	310 W	360 W	460 W
	Power Consumption (Stand-by)	0.5 W	0.5 W	0.5 W
	Power Consumption (Typical)	113.0 W	154.0 W	178.0 W
	Power Consumption (Energy Saving Mode) Yearly Power Consumption (EU standard)	N/A 416 kWh	N/A 565 kWh	N/A 653 kWh
	Eco Sensor	Yes	Yes	Yes
	Auto Power Saving Energy Efficiency Class	Yes 4	Yes 4	Yes 4.5
	Auto Power Off	4 Yes	4 Yes	4.5 Yes
	Auto Power On	Tes	Tes	Tes
Dimension	Package Size (WxHxD)	1385 x 833 x 153 mm	1617 x 950 x 160 mm	1890 x 1182 x 192 mm
	Set Size with Stand (WxHxD)	1225.4 x 773.5 x 265.9 mm	1444.3 x 896.6 x 265.9 mm	1718.5 x 1058.9 x 359.8 mm
	Set Size with stand (WxHxD) Set Size without Stand (WxHxD)	1225.4 x 708.6 x 39.9 mm	1444.3 x 831.7 x 39.9 mm	1718.5 x 987.6 x 44.9 mm
	Stand (Basic) (WxD)	366.0 x 265.9 mm	366.0 x 265.9 mm	366 x 359.8 mm
	Stand (Basic) (WxD) Stand (Minimum) (WxD)			366 x 359.8 mm N/A
		N/A 300 x 200 mm	N/A	
	VESA Spec	500 X 200 mm	300 x 200 mm	400 x 300 mm

		55"	65"	77 "
Weight	Package Weight	24.4 kg	30.9 kg	49.1 kg
	Set Weight with Stand	18.2 kg	23.1 kg	37.8 kg
	Set Weight without Stand	16.2 kg	21.1 kg	35.1 kg
Accessory	Remote Controller Model	TM2360E	TM2360E	TM2360E
	Batteries (for Remote Control)	N/A	N/A	N/A
	Slim Fit Wall-mount Support	Yes	Yes	N/A
	Studio Stand Support	N/A	N/A	N/A
	Vesa Wall Mount Support	Yes	Yes	Yes
	Auto-Rotation Accessory Support	N/A	N/A	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes
	SlimFit Cam Support	Yes	Yes	Yes
	User Manual	Yes	Yes	Yes
	E-Manual	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes
	Optional One Connect Cable Support	N/A	N/A	N/A