SAMSUNG

Samsung S90D 2024 83" OLED 4K HDR Smart TV

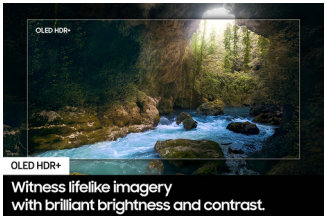**Brand :** Samsung

Product family: S90D

Product code:
QE83S90DAEXXU

Product name : 2024 83"
S90D OLED 4K HDR Smart TV

- OLED HDR+: Powerful HDR OLED brightness for lifelike picture detail
- Object Tracking Sound Lite & Dolby Atmos®: Experience sound that moves with the action on-screen
- Motion Xcelerator 144Hz: Experience ultra-smooth TV gaming with up to 4K 144Hz motion
- NQ4 AI Gen2 Processor: Brightness, colour and detail boosted by our most intelligent 4K AI processor
2024 83" S90D OLED 4K HDR Smart TV
Samsung S90D 2024 83" OLED 4K HDR Smart TV. Display diagonal: 2.11 m (83"), 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

Display diagonal *	2.11 m (83")
HD type *	4K Ultra HD
Display technology *	OLED
Screen shape *	Flat
Native aspect ratio *	16:9
Motion interpolation technology *	Motion Xcelerator
Native refresh rate	100 Hz
Display refresh rates supported	144 Hz
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	209 cm
Anti-glare screen	✔

TV tuner

Tuner type *	Analog & digital
Digital signal format system *	DVB-S2, DVB-C, DVB-T2
Auto channel search	✔

Smart TV

Smart TV *	✔
Internet TV *	✔
Operating system installed *	Tizen
Timeshift	✔
Apple AirPlay 2 support	✔
Sound mirroring	✔
Hybrid Broadcast Broadband TV (HbbTV)	✔
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.3
Smart modes	Game, Movie, Natural
Far-field voice interaction	✔
TV initiate mirroring	✔
Universal guide	✔
Video apps	Samsung TV Plus

Audio

Number of speakers *	2
RMS rated power *	40 W
Audio output channels	2.1 channels

Performance

AMD FreeSync	✔
AMD FreeSync type	FreeSync Premium
Game features	Auto Low Latency Mode (ALLM), Dynamic Black EQ, Game Bar, Game Motion Plus, Gaming Hub, HGiG, Mini Map Zoom, Super Ultra Wide Game View, Surround Sound, Variable Refresh Rate (VRR)
4K Ultra HD upscaling	✔
SmartThings app support	✔
Tap view	✔
Adaptive picture	✔
Multi View	✔
Smartphone/tablet remote support	✔
USB recording	✔
ConnectShare (HDD)	✔
ConnectShare (USB)	✔

Ports & interfaces

Audio Return Channel (ARC)	✔
PC in (D-Sub) *	✘
Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	2
Digital audio optical out	1
RF ports quantity	4
Common interface (CI) *	✔
Common interface Plus (CI+) *	✔
Common interface Plus (CI+) version	1.4
HDMI ports quantity *	4
Consumer Electronics Control (CEC)	Anynet+

Management features

Voice guide	✔
Electronic Programme Guide (EPG)	✔
On Screen Display (OSD)	✔
Number of OSD languages	27
Auto power off	✔

Audio

Audio decoders	Dolby Atmos
Audio pre-selection descriptor	✓
Music wall	✓
Active voice amplifier (AVA)	✓
Multiroom	✓
Multiroom audio technology	Samsung Multiroom Link
Enhanced Audio Return Channel (eARC)	✓

Network

Wi-Fi *	✓
Wi-Fi standards	Wi-Fi 5 (802.11ac)
Bluetooth *	✓
Bluetooth version	5.2
Ethernet LAN *	✓
Web browser	✓

Design

Product colour *	Black
VESA mounting *	✓
Panel mounting interface	300 x 200 mm
Frameless design	✓
Introduction year	2024
Bezel type	4 Bezel-less
Stand type	Center stand
Stand colour	Titanium

Performance

High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG), OLED HDR+
Game mode	✓
Teletext function	✓
Ambient light sensor	✓
Ambient mode	Ambient Mode+
Eco sensor	✓
Brightness detection	✓
AI Upscale	✓
TV key support	✓
Picture processing technology	Samsung Real Depth Enhancer
High Dynamic Range (HDR) supported *	✓

Management features

Works with Amazon Alexa	✓
Works with the Google Assistant	✓
Works with Samsung Bixby	✓
Universal Browse & Play	✓

Power

Power consumption (typical) *	150 W
Power consumption (standby) *	0.5 W
Energy efficiency class (SDR) *	F
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	150 kWh
Energy consumption (HDR) per 1000 hours *	192 kWh
AC input voltage	220-240 V
AC input frequency	50/60 Hz
Energy saving mode	✓
Energy efficiency scale	A to G

Brand-specific features

Samsung technologies (AV/TV)	Adaptive Sound Pro, Expert Calibration, NQ4 AI Gen2 Processor, Neural Quantum Processor 4K, Q-Symphony, Smart Calibration, Ultra Viewing Angle

Weight & dimensions

Width (with stand)	1851 mm
Depth (with stand)	359 mm
Height (with stand)	1133.7 mm
Weight (with stand)	39.4 kg
Width (without stand)	1851 mm
Depth (without stand)	44.9 mm
Height (without stand)	1062.8 mm
Weight (without stand)	37.6 kg
Stand width	36.3 cm
Stand depth	35.9 cm

Packaging data

Package width	2024 mm
Package depth	189 mm
Package height	1234 mm
Package weight	52.1 kg
Package type	Box

Packaging content

Desktop stand	✓
Cables included	AC
Remote control included	✓
Remote control type	TM2360E + TM1240A

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