Q80C 4K Smart TV (2023)

Long-lasting brilliance, colourful possibilities

QLED

98"

Top Features

Direct Full Array

Direct Full Array backlighting provides an incredible range of brightness and black levels through multiple LED zones, helping you discover superb contrast and striking detail.

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.[1]

QLED powered by Quantum Dot More than 100% Colour Volume

Samsung Quantum Dot technology delivers more than 100% colour volume enabling accurate colour reproduction at any level of brightness - allowing you to discover details you may not have seen before.[2]

Motion Rate 200

Samsung's Motion Rate 200 helps minimise blur so that you can experience smooth, clear motion through the most dynamic of scenes.

1 Source content must be Dolby Atmos® enabled for Dolby Atmos® playback.
2 Available on HDR content only. Colour volume testing is capable of producing results greater than 100%. Q-series models produce more than 100% colour volume when tested using the IDMS 1.03b standard and DCI-P3 colour space. Brightness tested at maximum luminance with 10% White Window in HDR. Testing verified by an independent third party.

Product	Product Category	QLED
	Model Number	QA98Q80CAWXXY
Display	Screen Size	98"
	Resolution	3,840 x 2,160
	Motion Rate	100
Video	Picture Engine	Quantum Processor 4K
	One Billion Colours	Yes
	HDR (High Dynamic Range)	Quantum HDR+
	HDR 10+	Yes (ADAPTIVE/GAMING)
	HLG (Hybrid Log Gamma)	Yes
	Contrast	Direct Full Array
	Colour	Quantum Dot
	Viewing Angle	Wide Viewing Angle
	Micro Dimming	Supreme UHD Dimming
	Contrast Enhancer	Yes (Real Depth Enhancer)
	Picture Clarity	Yes
	Film Mode	Yes
	Expert Calibration	N/A
	Smart Calibration	Basic
	AI Upscale	Yes
	Filmmaker Mode	Yes
	Brightness/Colour Detection	Brightness/Colour Detection
	AI HDR Remastering	N/A
Audio	Dolby Atmos	Yes
	Object Tracking Sound	OTS Lite
	Q-Symphony	Yes
	Sound Output (RMS)	40W
	Speaker Type	2.2CH
	Woofer	Yes
	Multiroom Link	Yes
	Bluetooth Audio	Yes
	Active Voice Amplifier	Yes
	Adaptive Sound	Adaptive Sound+
	Dual Audio Support (Bluetooth)	Yes
	Buds Auto Switch	Yes
Smart Service	Operating System	Tizen™ Smart TV
	Bixby	Yes
	Far-Field Voice Interaction	Yes
	Built-in Voice Assistant	Alexa
	Works With AI Speaker	Alexa, Google Assistant
	Samsung TV Plus	Yes
	Web Browser	Yes
	SmartThings Hub / Matter Hub / IoT-Sensor Funtionality	Yes
	Media Home	Yes

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Smart Feature	Multi Device Experience	TV to Mobile, Mobile to TV, TV initiate mirroring, TV Sound to Mobile, Sound Mirroring, Wireless TV On (requires Android 6.0↑ with Screen Cast capabilities or iPhone iOS 11.4↑ with AirPlay 2 support)
	NFC on TV	N/A
	Tap View	Yes (requires Android 8.1↑ with Screen Cast capabilities)
	Multi-View	Up to 2 videos
	Music Wall	Yes
	Mobile Camera Support	Yes
	Easy Setup	Yes
	App Casting	Yes
	Ambient Mode	Ambient Mode+
	Wireless Dex	Yes
	Web Service	Microsoft 365 (Subscription required)
	NFT	N/A
Game Feature	Auto Game Mode (ALLM)	Yes
	Game Motion Plus	Yes
	Dynamic Black EQ	Yes
	Surround Sound	Yes
	Ultra Wide Game View	Yes
	MiniMap Zoom	Yes
	Hue Sync	Yes
	Freesync	FreeSync Premium Pro
	HGiG	Yes
	Gaming Hub	Yes
Tuner/Broadcasting	Digital Broadcasting	DVB-T(T2 Ready)
	Analog Tuner	Yes
	CI (Common Interface)	N/A
Connectivity	HDMI	4
	HDMI (High Frame Rate)	4K 120Hz (for HDMI 1/2/3/4)
	USB	2
	USB-C (Camera Only)	N/A
	Component In (Y/Pb/Pr)	N/A
	Ethernet (LAN)	1
	Audio Out (Mini Jack)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1 (Common Use for Terrestrial)/0
	Ex-Link (RS-232C)	N/A
	HDMI Audio Return Channel	eARC/ARC
	WiFi	Yes (WiFi5)
	Bluetooth	Yes (BT5.2)
	Anynet+ (HDMI-CEC)	Yes

98"

Design		
	Design	Simple Chamfer
	Bezel Type	3 Bezel-less
	Slim Type	Slim look
	Front Colour	CARBON SILVER
	Stand Type	HEXAGON PLATE
	Stand Colour	CARBON SILVER

Additional Feature		
	Auto Rotation	N/A
	9:16 Screen Support	N/A
	Caption (Subtitle)	Yes
	ConnectShare™	Yes
	EPG	Yes
	Extended PVR	Yes
	OSD Language	Local Languages
	Picture-In-Picture	N/A
	Teletext (TTX)	Yes
	Time Shift	Yes
	One Connect Box	N/A
	MBR Support	Yes

Accessibility		
	Voice Guide	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, Vitnamese, Arabic (Languages are supported if there is a language that matches the OSD language
	Low Vision Support	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off
	Hearing Impaired Support	Multi-output Audio, Sign Language Zoom
	Motor Impaired Support	Slow Button Repeat

Power & Eco Solution		
	Power Supply	AC220-240V~ 50/60Hz
	Power Consumption (Max)	430 W
	Power Consumption (Stand-by)	0.5 W
	Power Consumption (Energy Saving Mode)	N/A
	Power Consumption (Typical)	289.0 W
	Yearly Power Consumption (EU standard)	1058 kWh
	Eco Sensor	Yes
	Auto Power Saving	Yes
	Energy Efficiency Class	4.5
	Auto Power Off	Yes

Dimension		
	Package Size (WxHxD)	2379 x 1431 x 350 mm
	Set Size with Stand (WxHxD)	2180.6 x 1306.8 x 387.3 mm
	Set Size without Stand (WxHxD)	2180.6 x 1243.9 x 48.4 mm
	Stand (Basic) (WxD)	480.0 x 387.3 mm
	Stand (Minimum) (WxD)	N/A
	VESA Spec	600 x 400 mm

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Weight	Package Weight	87.8 kg
	Set Weight with Stand	65.8 kg
	Set Weight without Stand	56.3 kg
Accessory	Remote Controller Model	TM2360E
	Batteries (for Remote Control)	N/A
	Slim Fit Wall-mount Support	N/A
	Studio Stand Support	N/A
	Optional One Connect Cable Support	N/A
	Vesa Wall Mount Support	Yes
	Auto-Rotation Accessory Support	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes
	SlimFit Cam Support	Yes
	Zigbee / Thread Module	Built-In
	User Manual	Yes
	E-Manual	Yes
	Power Cable	Yes