Q70C 4K Smart TV (2023)

Long-lasting brilliance, colourful possibilities

QLED

55", 65", 75", 85"

Top Features

QLED powered by Quantum Dot More than 100% Colour Volume[1]

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.[1]

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.

Supports 4K 120fps via HDMI 2.1

Get ready to game with impressive 4K resolution at 120 frames per second. HDMI 2.1 compatibility allows for ultra-high bandwidth for compatible devices to keep you ahead of the competition and at the top of your game.[2]

Quantum HDR

Experience incredible picture detail with vibrant colour and brightness with Adaptive HDR10+. [3]

1 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.
2 Picture quality will vary depending on quality and resolution of source content. 120fps is dependent on external source supporting HDMI 2.1.
3. The Range of Quantum HDR claims luminance based on internal testing standards and is subject to change according to viewing environment or specific conditions.

Product	Product Category	55"	65"	75"	85"
		QLED	QLED	QLED	QLED
	Model Number	QA55Q70CAWXXY	QA65Q70CAWXXY	QA75Q70CAWXXY	QA85Q70CAWXXY
Display	Screen Size	55"	65"	75"	85"
	Resolution	3,840 x 2,160	3,840 x 2,160	3,840 x 2,160	3,840 x 2,160
	Motion Rate	200	200	200	200
Video	Picture Engine	Quantum Processor 4K	Quantum Processor 4K	Quantum Processor 4K	Quantum Processor 4K
	One Billion Colours	Yes	Yes	Yes	Yes
	HDR (High Dynamic Range)	Quantum HDR	Quantum HDR	Quantum HDR	Quantum HDR
	HDR 10+	Yes (ADAPTIVE/GAMING)	Yes (ADAPTIVE/GAMING)	Yes (ADAPTIVE/GAMING)	Yes (ADAPTIVE/GAMING)
	HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes
	Contrast	Dual LED	Dual LED	Dual LED	Dual LED
	Colour	Quantum Dot	Quantum Dot	Quantum Dot	Quantum Dot
	Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle
	Micro Dimming	Ultimate UHD Dimming	Ultimate UHD Dimming	Ultimate UHD Dimming	Ultimate UHD Dimming
	Contrast Enhancer	Yes	Yes	Yes	Yes
	Picture Clarity	Yes	Yes	Yes	Yes
	Film Mode	Yes	Yes	Yes	Yes
	Expert Calibration	N/A	N/A	N/A	N/A
	Smart Calibration	Basic	Basic	Basic	Basic
	AI Upscale	Yes	Yes	Yes	Yes
	Filmmaker Mode	Yes	Yes	Yes	Yes
	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection	Brightness/Colour Detection
	AI HDR Remastering	N/A	N/A	N/A	N/A
Audio	Dolby Atmos	N/A	N/A	N/A	N/A
	Object Tracking Sound	OTS Lite	OTS Lite	OTS Lite	OTS Lite
	Q-Symphony	Yes	Yes	Yes	Yes
	Sound Output (RMS)	20W	20W	20W	20W
	Speaker Type	2CH	2CH	2CH	2CH
	Woofer	N/A	N/A	N/A	N/A
	Multiroom Link	Yes	Yes	Yes	Yes
	Bluetooth Audio	Yes	Yes	Yes	Yes
	Active Voice Amplifier	Yes	Yes	Yes	Yes
	Adaptive Sound	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+	Adaptive Sound+
	Dual Audio Support (Bluetooth)	Yes	Yes	Yes	Yes
	Buds Auto Switch	Yes	Yes	Yes	Yes
Smart Service	Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
	Bixby	Yes	Yes	Yes	Yes
	Far-Field Voice Interaction	Yes	Yes	Yes	Yes
	Built-in Voice Assistant	Alexa	Alexa	Alexa	Alexa
	Works With AI Speaker	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
	Samsung TV Plus	Yes	Yes	Yes	Yes
	Web Browser	Yes	Yes	Yes	Yes
	SmartThings Hub / Matter Hub / IoT-Sensor Funtionality	Yes	Yes	Yes	Yes
	Media Home	Yes	Yes	Yes	Yes

		55"	65"	75"	85"
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)	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)	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)	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	N/A	N/A	N/A
	Video Communication	Google Meet	Google Meet	Google Meet	Google Meet
	Tap View	Yes (requires Android 8.1↑ with Screen Cast capabilities)	Yes (requires Android 8.1↑ with Screen Cast capabilities)	Yes (requires Android 8.1↑ with Screen Cast capabilities)	Yes (requires Android 8.1↑ with Screen Cast capabilities)
	Multi-View	Up to 2 videos	Up to 2 videos	Up to 2 videos	Up to 2 videos
	Music Wall	Yes	Yes	Yes	Yes
	Mobile Camera Support	Yes	Yes	Yes	Yes
	Easy Setup	Yes	Yes	Yes	Yes
	App Casting	Yes	Yes	Yes	Yes
	Ambient Mode	Ambient Mode+	Ambient Mode+	Ambient Mode+	Ambient Mode+
	Wireless Dex	Yes	Yes	Yes	Yes
	Web Service	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)	Microsoft 365 (Subscription required)
	NFT	Nifty Gateway	Nifty Gateway	Nifty Gateway	Nifty Gateway
Game Feature					
	Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes
	Game Motion Plus	Yes	Yes	Yes	Yes
	Dynamic Black EQ	Yes	Yes	Yes	Yes
	Surround Sound	Yes	Yes	Yes	Yes
	Ultra Wide Game View	Yes	Yes	Yes	Yes
	MiniMap Zoom	Yes	Yes	Yes	Yes
	Hue-sync	N/A	N/A	N/A	N/A
	Freesync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
	HGiG	Yes	Yes	Yes	Yes
	Gaming Hub	N/A	N/A	N/A	N/A
Tuner/Broadcasting					
	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
	Analog Tuner	Yes	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A	N/A
Connectivity					
	HDMI	4	4	4	4
	HDMI (High Frame Rate)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)
	USB	2	2	2	2
	USB-C (Camera Only)	N/A	N/A	N/A	N/A
	Component In (Y/Pb/Pr)	N/A	N/A	N/A	N/A
	Ethernet (LAN)	1	1	1	1
	Audio Out (Mini Jack)	N/A	N/A	N/A	N/A
	Digital Audio Out (Optical)	1	1	1	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1 (Common Use for Terrestrial)/0	1/1 (Common Use for Terrestrial)/0	1/1 (Common Use for Terrestrial)/0	1/1 (Common Use for Terrestrial)/0
	Ex-Link (RS-232C)	N/A	N/A	N/A	N/A
	HDMI Audio Return Channel	eARC/ARC	eARC/ARC	eARC/ARC	eARC/ARC
	WiFi	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)	Yes (WiFi5)
	Bluetooth	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)	Yes (BT5.2)
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes

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Design	Design	AirSlim	AirSlim	AirSlim	AirSlim
	Bezel Type	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less
	Slim Type	Slim look	Slim look	Slim look	Slim look
	Front Colour	TITAN GRAY	TITAN GRAY	TITAN GRAY	TITAN GRAY
	Stand Type	NARROW NECK PLATE	NARROW NECK PLATE	NARROW NECK PLATE	NARROW NECK PLATE
	Stand Colour	SAND BLACK	SAND BLACK	SAND BLACK	SAND BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A	N/A
	9:16 Screen Support	N/A	N/A	N/A	N/A
	Caption (Subtitle)	Yes	Yes	Yes	Yes
	ConnectShare™	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages	Local Languages
	Picture-In-Picture	N/A	N/A	N/A	N/A
	Teletext (TTX)	Yes	Yes	Yes	Yes
	Time Shift	Yes	Yes	Yes	Yes
	One Connect Box	N/A	N/A	N/A	N/A
	MBR Support	Yes	Yes	Yes	Yes
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	AU English, China Chinese, Korean, France French, Italian, German, Spain Spanish, Malay
	Learn TV Remote / Learn Menu Screen	AU English, French, Spanish	AU English, French, Spanish	AU English, French, Spanish	AU English, French, Spanish
	Low Vision Support	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off	Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Picture Off
	Hearing Impaired Support	Multi-output Audio, Sign Language Zoom	Multi-output Audio, Sign Language Zoom	Multi-output Audio, Sign Language Zoom	Multi-output Audio, Sign Language Zoom
	Motor Impaired Support	Slow Button Repeat	Slow Button Repeat	Slow Button Repeat	Slow Button Repeat
Power & Eco Solution	Power Supply	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz
	Power Consumption (Max)	205 W	245 W	320 W	355 W
	Power Consumption (Stand-by)	0.5 W	0.5 W	0.5 W	0.5 W
	Power Consumption (Energy Saving Mode)	N/A	N/A	N/A	N/A
	Power Consumption (Typical)	114.0 W	145.0 W	158.0 W	216.0 W
	Yearly Power Consumption (EU standard)	419 kWh	532 kWh	580 kWh	791 kWh
	Eco Sensor	Yes	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes	Yes
	Energy Efficiency Class	4	4	5	4.5
	Auto Power Off	Yes	Yes	Yes	Yes
Dimension	Package Size (WxHxD)	1424 x 846 x 191 mm	1623 x 950 x 205 mm	1834 x 1144 x 222 mm	2075 x 1266 x 251 mm
	Set Size with Stand (WxHxD)	1232.9 x 778.3 x 246.5 mm	1451.7 x 900.4 x 285.6 mm	1677.5 x 1030.6 x 320.6 mm	1901.7 x 1156.3 x 335.8 mm
	Set Size without Stand (WxHxD)	1232.9 x 708.7 x 25.7 mm	1451.7 x 831.8 x 25.7 mm	1677.5 x 960.2 x 26.6 mm	1901.7 x 1086.1 x 26.9 mm
	Stand (Basic) (WxD)	290 x 246.5 mm	320 x 285.6 mm	350 x 320.6 mm	380 x 335.8 mm
	Stand (Minimum) (WxD)	N/A	N/A	N/A	N/A
	VESA Spec	200 x 200 mm	400 x 300 mm	400 x 400 mm	600 x 400 mm

		55"	65"	75"	85"
Weight	Package Weight	24.6 kg	31.3 kg	52.3 kg	63.7 kg
	Set Weight with Stand	18.4 kg	24.3 kg	38.6 kg	50.9 kg
	Set Weight without Stand	16.1 kg	21.4 kg	33.4 kg	43.8 kg
Accessory	Remote Controller Model	TM2360E	TM2360E	TM2360E	TM2360E
	Batteries (for Remote Control)	N/A	N/A	N/A	N/A
	Slim Fit Wall-mount Support	Yes	Yes	Yes	Yes
	Studio Stand Support	Yes	Yes	N/A	N/A
	Optional One Connect Cable Support	N/A	N/A	N/A	N/A
	Vesa Wall Mount Support	Yes	Yes	Yes	Yes
	Auto-Rotation Accessory Support	N/A	N/A	N/A	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes	Yes
	SlimFit Cam Support	Yes	Yes	Yes	Yes
	Zigbee / Thread Module	Built-In	Built-In	Built-In	Built-In
	User Manual	Yes	Yes	Yes	Yes
	E-Manual	Yes	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes	Yes