

SAMSUNG

QLED 8K

QLED 4K

Crystal UHD

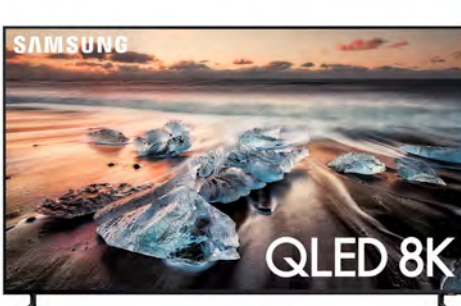
2020 QLED / Crystal UHD TV Comparison Chart



Q950TS



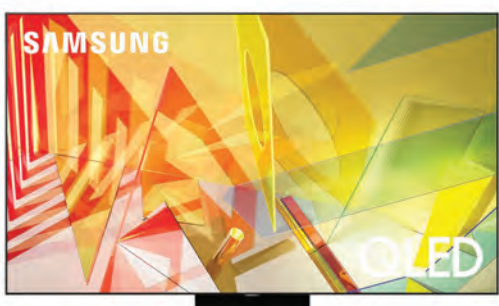
Q900TS



Q900R



Q800T



Q90T



Q80T



Q70T



Q60T



TU8000



TU7000

Screen Size	85"	85" 75" 65"	98" 55"	82" 75" 65"	85" 75" 65" 55"	85" 75" 65" 55" 49"	85" 82" 75" 65" 55"	85" 75" 65" 58" 55" 50" 43"	85" 75" 65" 55" 50" 43"	75" 70" 65" 58" 55" 50" 43"
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Picture Quality

Resolution	Real 8K Resolution¹	Real 8K Resolution¹	8K UHD	Real 8K Resolution¹	4K UHD	4K UHD	4K UHD	4K UHD	4K UHD	4K UHD
Upscaling	8K AI Upscaling²	8K AI Upscaling²	8K AI Upscaling²	8K AI Upscaling²	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling
Processor	Quantum Processor 8K	Quantum Processor 8K	Quantum Processor 8K	Quantum Processor 8K	Quantum Processor 4K	Quantum Processor 4K	Quantum Processor 4K	Quantum Processor 4K Lite	Crystal Processor 4K	Crystal Processor 4K
Back Light	Direct Full Array 32X³	Direct Full Array 32X³	Direct Full Array 24X³ (98") Full Array 16X (55")	Direct Full Array 32X³ (82") Direct Full Array 24X (75" & 65")	Direct Full Array 20X³ (85" Only) Direct Full Array 16X (75", 65" & 55")	Direct Full Array 12X³ (85", 75", 65" & 55") Quantum HDR 8X (49" Only)	Dual LED	Dual LED		
HDR Formats	HDR10 (Static MetaData), HDR10+ (Dynamic MetaData), HLG (Hybrid Log Gamma)									
HDR	Quantum HDR 32X	Quantum HDR 32X (85" & 75") Quantum HDR 24X (65" Only)	Quantum HDR 32X	Quantum HDR 16X	Quantum HDR 16X	Quantum HDR 12X (85", 75", 65" & 55") Quantum HDR 8X (49" Only)	Quantum HDR	Quantum HDR	HDR	HDR
Color	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	100% Color Volume with Quantum Dot⁴	Crystal Display	Crystal Display
Viewing Angle	Ultra Viewing Angle⁵	Ultra Viewing Angle⁵	Ultra Viewing Angle⁵	Ultra Viewing Angle⁵	Ultra Viewing Angle⁵	Ultra Viewing Angle⁵	Wide Viewing Angle⁶	Wide Viewing Angle⁶		
Motion Rate	Motion Rate 240⁶	Motion Rate 240⁶	Motion Rate 240⁶	Motion Rate 240⁶	Motion Rate 240⁶	Motion Rate 240⁶ (49" Motion Rate 120)	Motion Rate 240⁶	Motion Rate 120	Motion Rate 120	Motion Rate 120
Adaptive Picture	•	•	•	•	•	•	•	•		
Game Mode	Real Game Enhancer+™	Real Game Enhancer+™	Real Game Enhancer™	Real Game Enhancer+™	Real Game Enhancer+™	Real Game Enhancer+™⁷	Real Game Enhancer+™	Game Enhancer	Game Enhancer	Game Enhancer
Ambient Mode	Ambient Mode+™	Ambient Mode+™	Ambient Mode	Ambient Mode+™	Ambient Mode+™	Ambient Mode+™	Ambient Mode+™		Ambient Mode	

Smart

Smart TV Powered by Tizen	•	•	•	•	•	•	•	•	•	•
Universal Guide	•	•	•	•	•	•	•	•	•	•
Multi View	•	•		•	•	•	•	•		
Voice	•	•	•	•	•	•	•	•	•	
Remote	OneRemote	OneRemote	OneRemote	OneRemote	OneRemote	OneRemote	OneRemote	OneRemote	OneRemote	Standard Remote
IOT	SmartThings	SmartThings	SmartThings	SmartThings	SmartThings	SmartThings	SmartThings	SmartThings		

Design

Screen	Infinity Screen	Infinity Screen	Boundless Design	Boundless Design	Boundless Design	Boundless Design	Boundless Design	Boundless Design	Boundless Design	Boundless Design
One Invisible Connection™	•		•							
Clean Cable Solution™		•		•	•	•	•	•	•	•
One Connect Box™	•		•							
No Gap Wall Mount™⁹	•		•							
VESA Wall Mount¹⁰	All Samsung 2020 TV's Support VESA Wall Mount Standard additional support material can be found on the CI Web Portal									

Sound

Objective Tracking Sound +	•	•	•							
Objective Tracking Sound				•	•					
Active Voice Amplifier	•	•		•	•	•				
Q-Symphony	•	•		•	•					

Connectivity

WiFi Support	Wi-Fi 6 (802.11ax)	Wi-Fi 6 (802.11ax)	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac	802.11ac
HDMI	4	4	4	4	4	4	3	3	2	
Advanced HDMI 2.1 Features	ALLM, 8K@60Hz (FRL), VRR (FreeSync), eARC	ALLM, 8K@60Hz (FRL), VRR (FreeSync), eARC	ALLM, 8K@60Hz (FRL), VRR (FreeSync)	ALLM, 8K@60Hz (FRL), VRR (FreeSync), eARC	ALLM, 4K@120Hz (FRL), VRR (FreeSync), eARC	ALLM, 4K@120Hz (FRL), VRR (FreeSync), eARC	ALLM, 4K@120Hz (FRL), VRR (FreeSync), eARC	ALLM, 4K@120Hz (FRL), VRR (FreeSync), eARC		
USB	3	3	3	3	3	2	2	2	2	
NextGen TV (ATSC 3.0)	•	•		•						
Serial Control	Yes, via ExLink Port	Yes, via ExLink Port	Yes, via ExLink Port	Yes, via ExLink Port	Yes, via ExLink Port	Yes, via ExLink Port	Yes, via ExLink Port	Yes, via ExLink Port	Requires a USB to ExLink adapter	No

Support

Tech Hotline	Samsung Tech Support Hot Line: (866) 208-2911									
CI Web Portal	Register to download custom installer product info, 2D drawing, etc: www.samsung.com/us/business/custominstall/									
IP Control	Contact Your AMX, Control4, Crestron, RTI, Savant, URC, Elan, or Josh AI (TU7000 does not support IP Control)									

¹Upscales to 8K resolution (7680H x 4320W/33.2 megapixels). Native 8K content based on current 8K streaming, connectivity and decoding standards. Future and certain third-party standards not guaranteed or may require additional device/adaptor purchase. ²Upscales to 8K Resolution. Resulting picture may vary based on source content. Utilizes AI-based formulas. ³Direct Full Array Numerical Index based on backlighting, antireflection and contrast enhancement technologies. ⁴QLED televisions can produce 100% Color Volume in the DCI-P3 color space, the format for most cinema screens and HDR movies for television. ⁵Not available on the 49" Q80T. ⁶Q80T 49" Motion Rate 120. ⁷Excludes FreeSync™ on 49" and below Samsung TVs. ⁸Not available on the 49" & 43" on the Q90T & Q60T. ⁹A small gap between the wall and TV may occur if wall is not 100% flat or is constructed off-angle to the floor or if installed incorrectly. Contact your AMX, Control4, Crestron, RTI, Savant or URC sales and support center for applicable driver and hardware. ¹⁰The Serif TV doesn't support Vesa wall mount.