

SAMSUNG



QPA-8K Series



Presenting business in 8K. Presenting Neo QLED.

Introducing the next generation of QLED: Samsung Neo QLED. Powered by more than 33 million pixels and a billion shades of color, Neo QLED 8K signage delivers a more realistic, more captivating experience. With Mini LED technology and the Neo Quantum Processor, Samsung QPA-8K signage displays offer exacting backlight control, for incredible blacks and stunningly detailed color. And with AI-powered upscaling, every message, every promotion, every presentation will demand attention like never before.



QPA-8K Series

Signage displays that transform ordinary messages into extraordinary experiences.



Even the details have details

Samsung QPA-8K Neo QLED displays feature proprietary Quantum Mini LEDs controlled by our Neo Quantum Processor 8K, for a picture that delivers detail in the extreme. Our Quantum Mini LEDs are as small as a grain of sand, and are 1/40th the size of conventional LEDs. They give us incredible control over detail and color. The vast array of tiny light cells delivers hyper-focused brightness and dimming in all the right areas, for a picture that simply has to be seen to be believed.



Crystal clarity with 33 million pixels

Feel the power of every frame with 33 million pixels in Real 8K Resolution.¹ QPA-8K displays provide an incredible sense of depth with optimal clarity at four times the resolution of 4K, and 16 times higher than FHD.

8K

An optimized and stunningly impressive 8K viewing experience

Experience unimaginable clarity and depth with the powerfully adaptive Neo Quantum Processor 8K. It analyzes data and learns scene by scene, optimizing every frame of everything you display. Every visual detail will be faithfully and spectacularly reproduced.²



Display all your content in incredible 8K

Transform every image and every video into outstanding 8K. The QPA-8K displays feature AI-powered upscaling technology that maximizes every bit of content you display.³ Deep learning algorithms combine with the Neo Quantum Processor 8K to ensure a memorable viewing experience that will enhance every business.



Unimaginable contrast to enhance every detail

The Quantum Matrix Technology Pro backlight dimming technology controls the Quantum Mini LEDs with optimum precision. Every detail is displayed with 12-bit (4,096 levels) contrast levels, from the darkest blacks to the purest whites, while the Local Brightness Booster enhances any content.



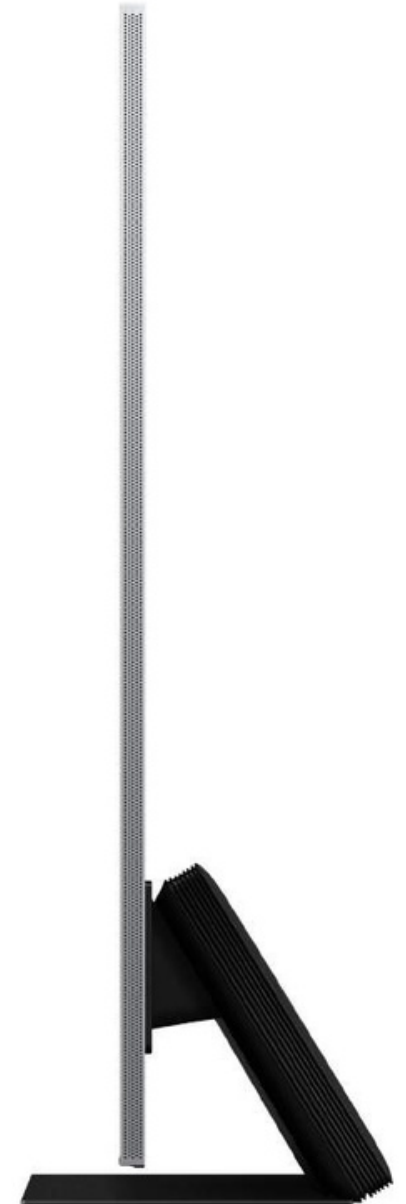
Real-time picture refinement

QPA-8K signage displays feature Adaptive Picture Mode, which optimizes brightness based on the surrounding lighting conditions for the best picture quality possible. Real-time refinement provides uniform picture quality regardless of changing light, delivering for bold, vibrant always-impressive visuals.



A billion shades of brilliant

Take light to a different realm with advanced Quantum Dot technology. 100% color volume with Quantum Dot delivers a billion breathtaking shades of color that stay true, regardless of brightness or ambient lighting.⁴



QPA-8K Series

Every aspect of them was designed to make business better.



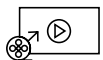
Minimized glare for increased engagement

Ensure your content is seen without interruption any hour of the day with Samsung's critically acclaimed anti-reflection technology. It minimizes glare and reduces reflected disruptions, allowing customers to focus on the content for optimal engagement and an improved experience.



Spectacular clarity in every scene

Samsung Neo QLED 8K perfectly optimizes every scene with Quantum HDR 32X, offering superior accuracy for rich, refined visuals. Details come to life with rich color and deeper contrast. And HDR10+ dynamic tone mapping shifts color and contrast scene-by-scene for spectacular clarity.⁵



Content as it was intended

Featuring built-in Director Mode, Samsung QPA-8K signage displays allow users to minimize post-processing. Color, proportion and more are displayed more faithfully to the director's original vision.



Clear view from any angle

An UltraViewing Angle, thanks to Quantum Light Control and film technology, delivers a consistent, clear picture regardless of viewing position. With Samsung QPA-8K displays, every viewing position is an optimal one.



A perfect fit for your business

Create engaging customer experiences that effortlessly blend digital and physical environments. With our slimmest profile yet paired with impossibly slim bezels, the Infinity One Design is an immersive experience that seamlessly complements any business space. QPA-8K signage displays can be mounted flush to the wall, or with pivot capability, can be installed vertically.



Clutter-free solution

An elegant solution to reducing cable clutter, Slim One Connect is a discreet box that keeps wires out of sight, regardless of the installation type and surrounding environment. With streamlined connectivity, QPA-8K displays ensure a clutter-free customer environment that enhances every business environment.



Improved efficiency in healthcare

DICOM Simulation Mode allows medical teams to collaborate more efficiently and effectively. In DICOM Simulation Mode, QPA-8K displays meet 100% of the grayscale requirements of DICOM standards, to more accurately simulate medical images such as X-rays.⁶



Reliable operation, 16/7

Commercial-level cooling technologies offer dependable reliability with a 16/7 runtime. And to add to your peace of mind, Samsung QPA-8K displays come with a 3-year onsite warranty.

QPA-8K Series

QPA-8K Series Specifications					
Model Name		QP65A-8K	QP 75A-8K	QP85A-8K	
Panel	Diagonal Size	65.64.5" Direct LED BLU (Mini LED) 7680 x 4320 186 x 186 um 1428.48 (H) x 803.52 (V) 500 nit (HDR 2,000 nit) 1.200x1.178 / 178 6.5ms 1.0 7 B 93% (DCI-P3) 16/7 2% Mega 270 Hz 120 Hz 2.376GHz Built-in Speaker (70W 4.2.2ch) HDMI 2.1 (HDMI 4), HDMI 2.0 (HDMI 1, 2, 3) HDCP 2.2 USB 2.0 x 3 Digital Audio Out (Optical) RS232C (in) through stereo jack, RJ45 Internal (OC Box) AC100-240V 50/60Hz 407 291 370 1387.87 0.5 1443.7 x 828.4 x 16.9mm (w/o stand) / 56.84" x 32.61" x 0.67" 1625 x 947 x 195mm / 63.98" x 37.28" x 7.68" 22.7kg (w/o stand) / 50.1 lbs. 43.4kg / 95.7 lbs. 400 x 300 4-sided Bezel-Less 32" F - 104" F 10-80%	75.74.5" Direct LED BLU (Mini LED) 7680 x 4320 214.86 x 214.86 um 1650.1248 (H) x 928.1952 (V) 500 nit (HDR 2,000 nit) 1.200x1.178 / 178 6.5ms 1.0 7 B 93% (DCI-P3) 16/7 2% Mega 270 Hz 120 Hz 2.376GHz Built-in Speaker (70W 4.2.2ch) HDMI 2.1 (HDMI 4), HDMI 2.0 (HDMI 1, 2, 3) HDCP 2.2 USB 2.0 x 3 Digital Audio Out (Optical) RS232C (in) through stereo jack, RJ45 Internal (OC Box) AC100-240V 50/60Hz 407 320 370 1387.87 0.5 1668.3 x 772" 32.1kg (w/o stand) / 70.8 lbs. 57.5kg / 126.7 lbs. 400 x 400 4-sided Bezel-Less 32" F x 104" F 10-80% 8K Signage Display, Built-in MagicInfo S9, SSSP, HDR10+ Landscape / Portrait Temperature Sensor, Pivot Display, Clock Battery (168 Hrs Clock Keeping), Built in Speaker (70W 4.2.2ch), Wi-Fi / BT	85.84.5" Direct LED BLU (Mini LED) 7680 x 4320 243.75 x 243.75 um 1872 (H) x 1053(V) 500 nit (HDR 2,000 nit) 1.200x1.178 / 178 6ms (Typ.) 1.0 7 B 93% (DCI-P3) 16/7 2% Mega 270 Hz 120 Hz 2.376GHz Built-in Speaker (70W 4.2.2ch) HDMI 2.1 (HDMI 4), HDMI 2.0 (HDMI 1, 2, 3) HDCP 2.2 USB 2.0 x 3 Digital Audio Out (Optical) RS232C (in) through stereo jack, RJ45 Internal (OC Box) AC100-240V 50/60Hz 489.5 390 445 1669.2 0.5 1893.4 x 1083.0 x 17.4mm (w/o stand) / 74.54" x 42.64" x 0.69" 2114 x 1260 x 220mm / 83.23" x 49.61" x 8.66" 43.3kg (w/o stand) / 95.5 lbs. 71.7kg / 158.1 lbs. 600 x 400 4 Bezel-Less 32" F - 104" F 10-80% 8K Signage Display, Built-in MagicInfo S9, SSSP, HDR10+ Landscape / Portrait Temperature Sensor, Pivot Display, Clock Battery (168 Hrs Clock Keeping), Built in Speaker (70W 4.2.2ch), Wi-Fi / BT	
	Type	Class Measured	Class B	Class B	Class B
	Resolution	5GB LPDDR4 1866MHz 128bit	5GB LPDDR4 1866MHz 128bit	5GB LPDDR4 1866MHz 128bit	5GB LPDDR4 1866MHz 128bit
	Pixel Pitch (mm)	Graphic Resolution: 3840x2160	Graphic Resolution: 3840x2160	Graphic Resolution: 3840x2160	Graphic Resolution: 3840x2160
	Active Display Area	Output Resolution: 7680x4320 (Scale up from graphic processing result)	Output Resolution: 7680x4320 (Scale up from graphic processing result)	Output Resolution: 7680x4320 (Scale up from graphic processing result)	Output Resolution: 7680x4320 (Scale up from graphic processing result)
	Brightness (Typ.)	16GB (5.8GB Occupied by O/S, 10.2GB Available)	16GB (5.8GB Occupied by O/S, 10.2GB Available)	16GB (5.8GB Occupied by O/S, 10.2GB Available)	16GB (5.8GB Occupied by O/S, 10.2GB Available)
	Contrast Ratio (Typ.)	Video Decoder: H.264, HEVC, Motion JPEG, MVC, MPEG-1/2/4, VC1, WMV1, WMV2, H.263, VP6, AV1, VP8, VP9, RV8/9/10	Video Decoder: H.264, HEVC, Motion JPEG, MVC, MPEG-1/2/4, VC1, WMV1, WMV2, H.263, VP6, AV1, VP8, VP9, RV8/9/10	Video Decoder: H.264, HEVC, Motion JPEG, MVC, MPEG-1/2/4, VC1, WMV1, WMV2, H.263, VP6, AV1, VP8, VP9, RV8/9/10	Video Decoder: H.264, HEVC, Motion JPEG, MVC, MPEG-1/2/4, VC1, WMV1, WMV2, H.263, VP6, AV1, VP8, VP9, RV8/9/10
	Viewing Angle (H/V)	Audio Decoder: DD, DD+, LPCM, ADPCM, AAC, HE-AAC, WMA, MPEG, AC-4, G.711, OPUS, Vorbis, RealAudio6	Audio Decoder: DD, DD+, LPCM, ADPCM, AAC, HE-AAC, WMA, MPEG, AC-4, G.711, OPUS, Vorbis, RealAudio6	Audio Decoder: DD, DD+, LPCM, ADPCM, AAC, HE-AAC, WMA, MPEG, AC-4, G.711, OPUS, Vorbis, RealAudio6	Audio Decoder: DD, DD+, LPCM, ADPCM, AAC, HE-AAC, WMA, MPEG, AC-4, G.711, OPUS, Vorbis, RealAudio6
	Response Time (G to G)	USB 2.0	USB 2.0	USB 2.0	USB 2.0
	Display Colors	Tizen 6.0 (VDLinux)	Tizen 6.0 (VDLinux)	Tizen 6.0 (VDLinux)	Tizen 6.0 (VDLinux)
	Color Gamut	60065, 62368-1	60065, 62368-1	60065, 62368-1	60065, 62368-1
	Operation Hours	Class B	Class B	Class B	Class B
	Haze	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box
Dynamic Contrast Ratio	In Box	In Box	In Box	In Box	
H-Scanning Frequency					
V-Scanning Frequency					
Maximum Pixel Frequency					
Speaker Type					
Sound	Input	Video	Audio Decoder: DD, DD+, LPCM, ADPCM, AAC, HE-AAC, WMA, MPEG, AC-4, G.711, OPUS, Vorbis, RealAudio6	Audio Decoder: DD, DD+, LPCM, ADPCM, AAC, HE-AAC, WMA, MPEG, AC-4, G.711, OPUS, Vorbis, RealAudio6	
	Output	HDCP	USB 2.0	USB 2.0	
Connectivity	External Control	Audio	Tizen 6.0 (VDLinux)	Tizen 6.0 (VDLinux)	
	Type	Class B	Class B	Class B	
Power	Power Supply	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries In Box	
	Power Consumption	Max (W/H)			
		Typical (W/H)			
Mechanical Specs	Dimensions	Rating (W/H)			
		BTU (Max)			
	Weight	Sleep Mode			
		Package			
VESA Mount	Set				
	Package				
Operation	Bezel Width (Top / Sides / Bottom) (mm)				
	Operating Temperature				
Feature	Humidity				
	Key				
	Special	Orientation			
		H/W			
	S/W				
	Internal Player (Embedded H/W)	Processor			
		On-Chip Cache Memory			
	Multimedia	Clock Speed			
		Main Memory Interface			
		Graphics			
Storage (FDM)					
IO Ports	Storage (FDM)				
	Operating System				
Certification	Safety				
	EMC				
Accessories	Include				
	Optional	Stand			

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*Real 8K Resolution is defined as having 7,680 x 4,320 pixels. Native 8K content based on current 8K streaming, connectivity and decoding standard. Future and certain party standards not guaranteed or may require additional device/adaptor purchase. 2Viewing experience may vary according to the type of content and format. 3Upscales to 8K resolution. Resulting picture may vary based on source content. Upscaling may not apply to other external connections such as PC. 4100% color volume measured in Movie Mode, certified by VDE. 5The range of Quantum HDR luminance is based on internal testing standards and subject to change according to viewing conditions or specifications. 6DICOM® (Digital Imaging and Communications in Medicine) is the international standard for medical images and related information. DICOM simulation mode is for non-diagnostic, reference purposes only.