

**SAMSUNG**

**Engage customers like  
never before, with displays  
like never before.**



QHH Series QLED Signage



BRILLIANT BLUE  
External Color

### V12 POWERTRAIN

EXPERIENCE THE POWER PERFORMANCE



MAXIMUM POWER  
 **590 CV (428KW)**  
at 8000 rpm

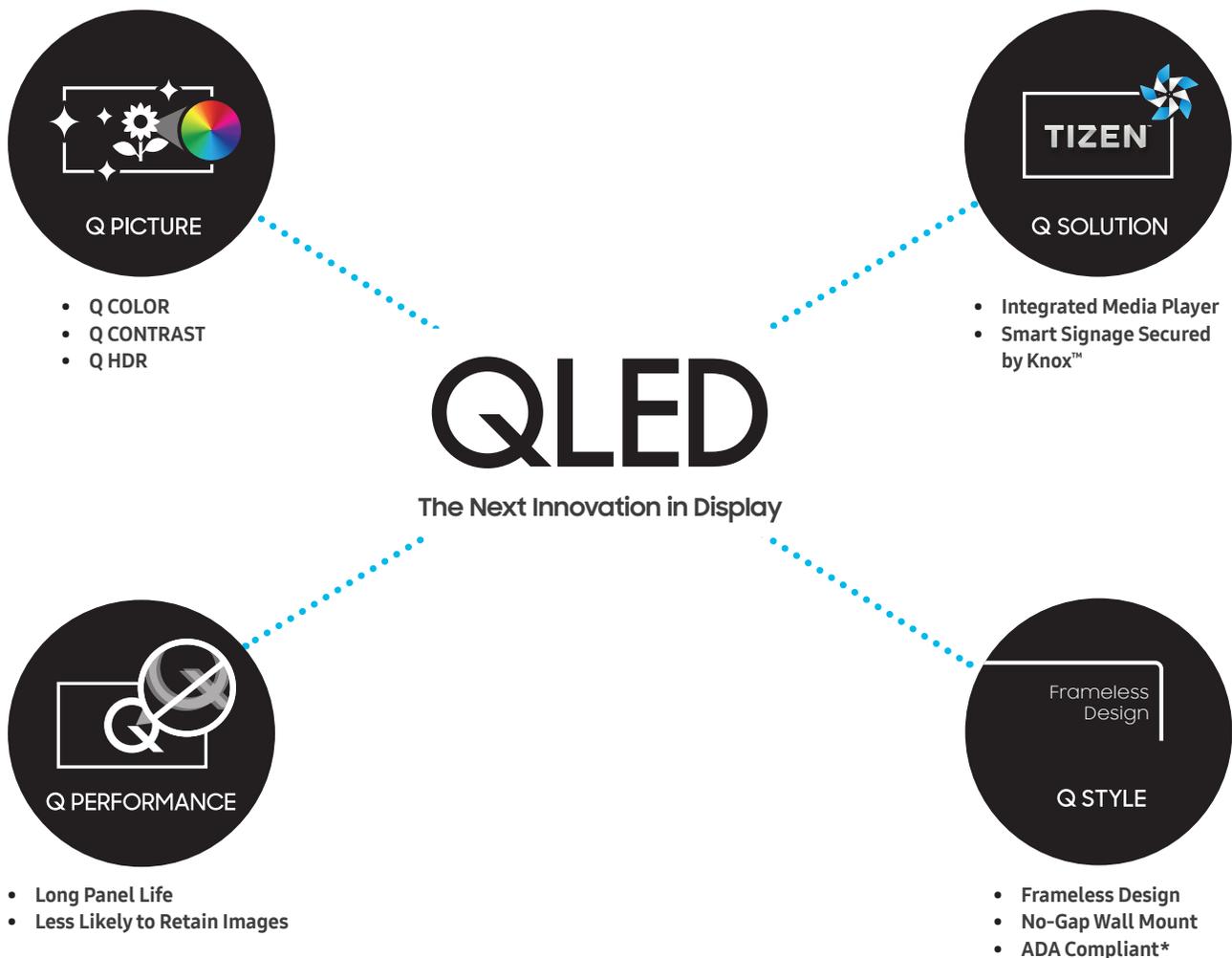
ACCELERATION  
 **3.0<sup>SEC</sup>**  
0-100km/h (0-62 MPH)

SPECIFIC OUTPUT  
 **156**  
cv/l



# The color of the future: Introducing Samsung Quantum Dot-powered QLED.

Presenting the very latest from the world leader in digital signage. Presenting the Samsung QHH Series QLED signage, our most spectacular 4K UHD (3840 x 2160 resolution) commercial displays yet. Powered by Samsung's proprietary Quantum Dot technology, they deliver an unbelievably brilliant picture. With over a billion colors and 100% color volume, your audience will experience rich, perfect colors beyond what has ever been possible. It's an immersive and captivating picture you truly have to see to believe. Slim and light, the QHH Series is an all-in-one digital signage solution that delivers the clearest pictures and sharpest text in virtually any indoor commercial environment. It's lifelike messaging that's virtually impossible to ignore. It's the next evolution of customer engagement. And as usual, Samsung and you are at the forefront.

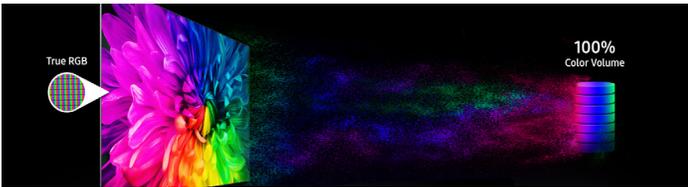


\*When hung with the appropriate mount.

# Q Picture

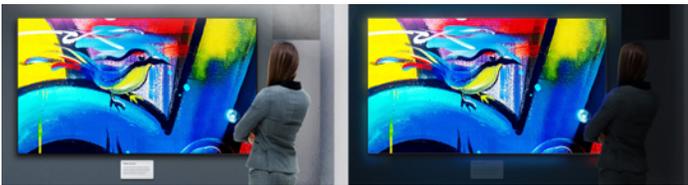
## Q Color: More than a billion shades of color at 100% color volume.

With exclusive Samsung Quantum Dot technology that turns light into perfect color, our QHH Series QLED displays are the first commercial displays of their kind to achieve 100% color volume and over a billion shades of color. Traditional LCD can only achieve up to 70% color volume. But with a peak brightness of up to 1,500 nits, the QHH Series displays can express 100% color volume, a display industry first. The result is every message, every product and every logo is shown accurately, in crisp detail and true, rich color.



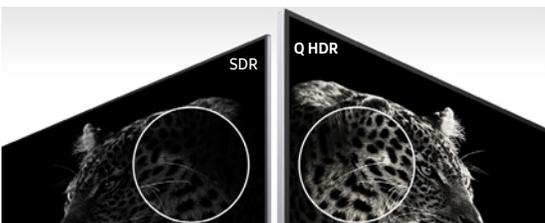
## Q Contrast: Bold contrast, day or night.

Quantum Dot technology enables the QHH Series displays to reproduce deep, rich blacks, no matter how light or dark the scene is, and no matter if the viewing environment is brightly lit or dark. Images deliver all the details, thanks to Precision Black technology that automatically adjusts the brightness of every scene. Precision Black works in tandem with the Ultra Black feature, which minimizes light reflection and significantly reduces glare on the QHH Series display surface. No matter your surroundings, all your audiences see on screen is real, true black.



## Q HDR: Magnificent depth and detail at all times.

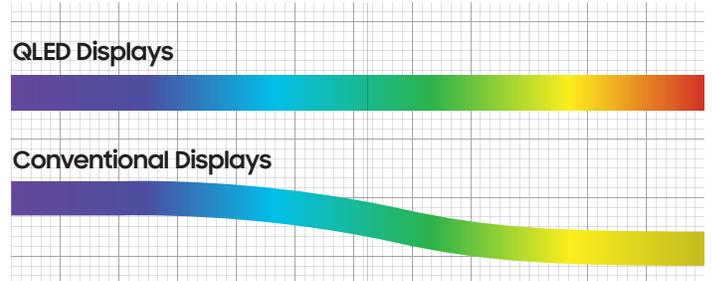
The extremes of bright whites and pitch black darkness can often drown out the details on conventional displays. But then, the QHH Series is anything but conventional. The true colors of Quantum Dot technology and the wide luminance range of HDR technology (High Dynamic Range) combine to produce deep blacks and pure whites that deliver greater detail than conventional displays. High HDR also plays a significant role in the full spectrum of color and detail that the QHH Series displays offer.



# Q Performance

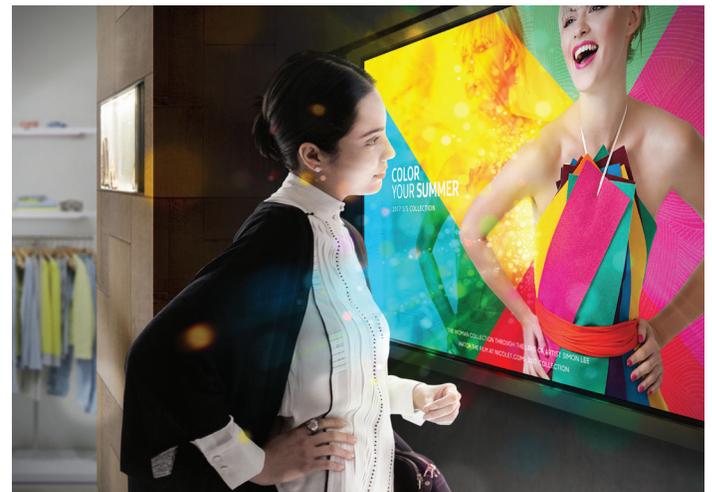
## Long Panel Life: Think about your business, not your display.

Durable and reliable, QHH Series QLED displays provide reliable 16/7 performance. They're engineered for consistent long-term performance and color integrity, to deliver impactful color day after day, year after year.



## Less Likely to Retain Images: Messages are always clean and clear.

Part of being engineered for long-term, worry-free use means that QHH Series QLED displays are less likely to retain images. Whether you're displaying messages that are fully or partly static (video with your logo in one place throughout, for example), subsequent messages will be sharp, clear and fully rendered, with no interfering residual imagery.



## Q Solution

### **Integrated Media Player: Easier installation and integration.**

The QHH Series is as easy as it is stunning. The Samsung Smart Signage Platform 5.0 and powerful Samsung Tizen 3.0 operating system deliver a powerful, all-in-one signage solution. With an integrated media player and advanced graphic presentation features, you can display crystal-clear UHD content without the need for an external set-back box or PC.

### **Smart Signage Secured by Knox™: Secure your information.**

The rigid three-layer security structure of Samsung Tizen 3.0 combined with integrated Samsung Knox ensures security by restricting file data access to a limited user base. It's an ideal solution for government, financial and other information-based businesses reliant on information protection.



\*WMN-M11EB wall mount sold separately.

## Q Style

### **Frameless Design: Nothing to detract from your message.**

A sleek, sophisticated, frameless design means all eyes are on the images, not the bezel. With a visually indiscernible bezel, images have a larger, more impactful presence.



### **No-Gap Wall Mount: Beautifully closing the gap.**

Presentation is clean and complementary to your message, with the no-gap wall mount.\* Sold separately, the no-gap wall mount allows you to install your QHH Series display snug to the wall, eliminating a common source of visual distraction and conserving valuable space.

### **ADA Compliant: Meets Americans with Disabilities Act standards.**

When hung using the no-gap wall mount,\* Samsung's QHH Series QLED displays have a depth of just 1.7". They're thin enough to meet rigorous ADA accessibility guidelines, eliminating the additional expense and trouble recessing displays into existing walls or building custom cabinetry, all while retaining mounting location flexibility.

# QHH Series QLED Signage



			QH55H	QH65H
Panel	Diagonal Size	Class	55"	65"
		Measured	54.6" / 138.7cm	64.5" / 163.8
	Type		120Hz E-LED BLU	120Hz E-LED BLU
	Resolution		3840 x 2160 (16:9)	3840 x 216 (16:9)
	Active Display Area		1209.60 (H) x 680.40 (V)	1428.48 (H) x 803.52 (V)
	Brightness (Typ.)		Landscape: 600 nits (peak 1,500nit), Portrait: 500 nits (peak 1,000 nits)	Landscape: 600 nits (peak 1,500 nits), Portrait: 500 nits (peak 1,000 nits)
	Contrast Ratio (Typ.)		6000:1	6000:1
	Viewing Angle (H / V)		178 / 178	178 / 178
	Response Time (G to G)		6ms (Typ)	6ms (Typ)
	Display Colors		16.7M (True Display), 1.07B (Dithered 10 bit)	16.7M (True Display), 1.07B (Dithered 10 bit)
	Color Gamut		Color Volume 100% (DCI-P3)	Color Volume 100% (DCI-P3)
Operation Hour		16/7	16/7	
Haze		0%	0%	
Display	Dynamic C/R		Mega	Mega
	H-Scanning Frequency / V-Scanning Frequency		30 ~ 81kHz / 48 ~ 75HZ	30 ~ 81kHz / 48 ~ 75HZ
	Maximum Pixel Frequency		594MHz	594MHz
	Speaker Type		Built-In Speaker (10W + 10W)	Built-In Speaker (10W + 10W)
Connectivity	Input	RGB	DisplayPort 1.2 (1)	DisplayPort 1.2 (1)
		Video	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP2.2	HDCP2.2
		USB	USB 2.0 x 2	USB 2.0 x 2
	Output	Audio	HDMI #1 ARC support	HDMI #1 ARC support
		External Control	RS232C (In / Out), RJ45	RS232C (In / Out), RJ45
Power	Type		Internal	Internal
	Power Supply		AC 100 ~ 240 V- (+/- 10 %), 50/60 Hz	AC 100 ~ 240 V- (+/- 10 %), 50/60 Hz
	Power Consumption	On Mode [W]	122 (Typical), 180 (Rating), 198 (Max)	144 (Typical), 230 (Rating), 253 (Max)
		Sleep Mode	< 0.5W	< 0.5W
Mechanical Spec	Dimension	Set	48.2" x 27.5" x 1.7"	56.9" x 32.3" x 1.7"
		Package	55.9" x 32.2" x 6.7"	62.4" x 32.3" x 7.0"
	Weight	Set	38.1 lbs	23.9 kg / 52.7 lbs
		Package	50.7 lbs	32.3 kg / 71.2 lbs
	VESA Mount		400 x 400	400 x 400
	Stand Type		Foot Stand (Optional)	Foot Stand (Optional)
	Bezel		Deco Frame: 2.6mm (Top/Sides), 6.7mm (Bottom)	Deco Frame: 2.6mm (Top/Sides), 6.7mm (Bottom)
Operation	Operating Temperature		0°C ~ 40°C / 32°F ~ 104°F	0°C ~ 40°C / 32°F ~ 104°F
	Humidity		10 ~ 80%	10 ~ 80%
Feature	Key		QLED Signage Display , Slim & Light Signage with Built-in MagicInfo S5, SSSP 5.0	
	Special	H/W	Temperature Sensor, Pivot Display, Clock Battery (168 Hrs Clock Keeping), Built in Speaker (10W 2ch), Wi-Fi / BT	
		S/W	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug&Play (Initial Setting)	
	Internal Player (Embedded H / W)	Processor	Coretex A72 1.7GHz Quad-Core CPU	
		On-Chip Cache Memory	L1 Instruction Cache: 48KB	
			L1 Data Cache: 32KB	
		L2 Cache: 2MB		
		Clock Speed	1.7GHz Quad-Core CPU	
		Main Memory Interface	3GB, 3ch 64bit LPDDR4 1.6GHz	
		Graphics	2D & 3D Graphic Accelerator	
			Data Format: 32bpp	
Storage (FDM)		8GB (3.88GB Occupied by O/S, 4.12GB Available)		
Multimedia		Video Decoder		
	- MPEG 1/2/4, H.263, H.264/AVC			
	- UHD H.264/AVC, VC-1, AVS/AVS+, MVC			
IO Ports	- VP8, VP9, HEVC, JPEG			
	Audio DSP (Decoder)			
Operating System	- MPEG, AC3, AC4, DD, MP3			
Certification	Safety	60950-1		
	EMC	Class A		
	Environment	ENERGY STAR 7.0		
Accessories	Included		Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	
	Optional	Stand	STN-L4655E	
		Mount	WMN4270SD, WMN-M11E	
		Specialty	CLM450D	

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