

Crystal UHD Signage

QMB Series

Unlock new display possibilities for your business



Stunning picture quality and design



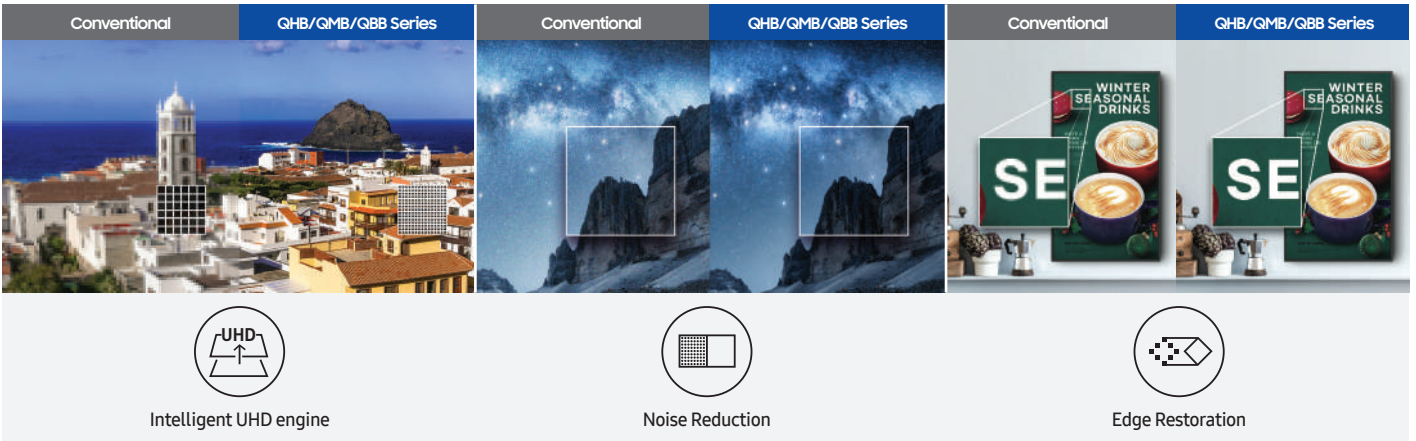
Dynamic Crystal Color

Experience crystal clear, lifelike color with 64 times more shades than conventional UHD displays. Dynamic Crystal Color captures subtle differences for virtually flawless color expression using 10-bit processing, ensuring content is as lifelike as possible.



Non-glare

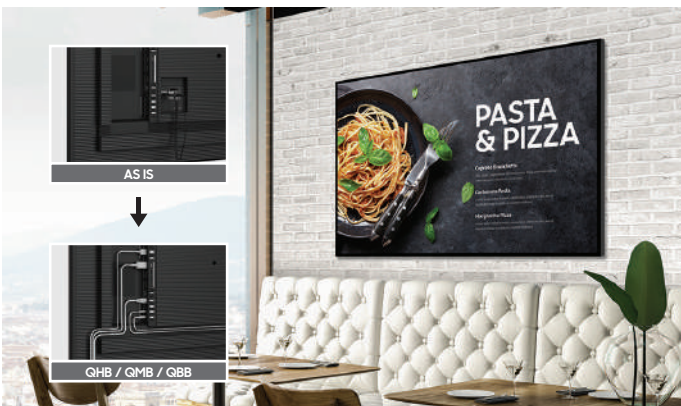
All QHB / QMB Series displays feature reliable, non-glare panels that provide better visibility from all angles, any time of day. The non-glare display enables businesses to deliver accurate information in critical locations, such as airports and train stations.



Quantum Processor 4K

Samsung's industry-leading video processing technology enhances every piece of content for clarity and consistency. Intelligent UHD upscaling technology, powered by Samsung's Quantum processor 4K, elevates lower-resolution video to UHD-level quality, providing professional picture quality.

* When compared to Samsung's FHD model.
* Viewing experience may vary according to types of content and format.



Slim and symmetrical design

Narrow bezels and a symmetrical design allow for seamless integration into any environment with simplified mounting and installation. To maximize space savings, all terminals face outwards, ensuring the display hangs flush against any wall.



Clean cable guide

QHB / QMB / QBB Series blends perfectly into any business environment. With clean cable guide feature, the screen draws maximum focus to what is on the display, not the cables connected to it.

Model			QM43B	QM43B (IPS)	QM50B	QM55B	QM65B	QM75B
Display Panel	Diagonal Size	Class	43	43	50	55	65	75
		Measured	42.5" / 1079cm	42.5" / 1079cm	49.5" / 125.7cm	54.6" / 138.7cm	64.5" / 163.9cm	74.5" / 189.3cm
	Resolution		3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)
	Brightness(Typ.)		500 nit	500 nit	500 nit	500 nit	500 nit	500 nit
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Haze		Non-Glare	Non-Glare	Non-Glare	Non-Glare	Non-Glare	Non-Glare
	Contrast Ratio (Typ.)		4000:1 (* IPS -1200:1)	1200:1	4000:1	4000:1	4000:1	4000:1
	Type		VA	IPS	VA	VA	VA	VA
	Active Display Area		941.184 (H) x 529.416 (V)	941.184 (H) x 529.416 (V)	1095.84(H) x 616.41(V)	1209.6(H) x 680.4(V)	1428.48 (H) x 803.52 (V)	1650.24 (H) x 928.26 (V)
	Pixel Pitch (mm)		0.2451 x 0.2451	0.2451 x 0.2451	0.285 x 0.285	0.315 x 0.315	0.372 x 0.372	0.42975 x 0.42975
	Color Gamut		92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)
Operation Hour		24/7	24/7	24/7	24/7	24/7	24/7	
Connectivity / Sound	INPUT	VIDEO	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)	DP1.2 (1), HDMI 2.0 (3)
		AUDIO	N/A	N/A	N/A	N/A	N/A	N/A
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
		Tuner	N/A	N/A	N/A	N/A	N/A	N/A
	OUTPUT	VIDEO	N/A	N/A	N/A	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	N/A	N/A	N/A	N/A	N/A	N/A
	WiFi / BT		0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45
Speaker		10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch	10W 2ch	
Mechanical Spec	Dimension (mm)	Set	967.5 x 557.7 x 48.3	967.5 x 557.7 x 48.3	1121.4 x 643.9 x 46.3	1235.1 x 707.9 x 46.3	1453.9 x 831.0 x 46.3	1681.1 x 960.1 x 49.7
		Package	1095 x 676 x 151	1095 x 676 x 151	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	10	10	13.4	18.1	24.9	38.3
		Package	13.3	13.3	17.6	23.6	33.3	49
	VESA Mount		200 X 200	200 X 200	200 X 200	200 X 200	400 X 400	400x400
	Bezel Width (mm)		9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	9.2mm(U/L/R), 11.2mm(B)	11.5mm(U/L/R), 12.5mm(B)
Features	Internal Player	Operating System	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5	Tizen 6.5
		Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		Storage (FDM)	16 GB	16 GB	16 GB	16 GB	16 GB	16 GB
	Special	H/W	Symmetric Design (same with QxR) / Center IR / Temperature Sensor / Auto Level / Wi-Fi(2.4/5.0GHz dual) & BT					
S/W		Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / SmartView+(PC [end of march-] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / SmartView+(mobile) / Video Conference Solution						
Certification	Safety		60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1	60950-1 / 62368-1
	EMC		Class B	Class B	Class B	Class B	Class B	Class B
	Environment		ENERGY STAR 8.0, EPEAT	(TBD)	(TBD)	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT
	IP Rating		IP5x	IP5x	IP5x	IP5x	IP5x	IP5x
	Security		802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP					
Power	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	110	110	171	143	182	231
		Typical[W/h]	79	83	91	108	127	161
		Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Operating Condition	Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Relative Humidity		10~80%	10~80%	10~80%	10~80%	10~80%	10~80%
Accessories	Included		Quick Setup Guide / Warranty Card / Power Cord / RS232C(IN) Gender / Remote Controller & Batteries					
	Optional	Stand	STN-L4355G	STN-L4355G	STN-L4355G	STN-L4355G	No	No
		Mount	WMN4070SG (Land Only) WMN750ME	"WMN4070SG (Land Only) WMN750ME"	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME	WMN4070SG (Land Only) WMN750ME
		Specialty	CML400XR	CML400XR	CML400XR	CML400XR	CML450T	CML450T