Professional Display

QHB I QMB I QBB

Unlock new display possibilities for your business



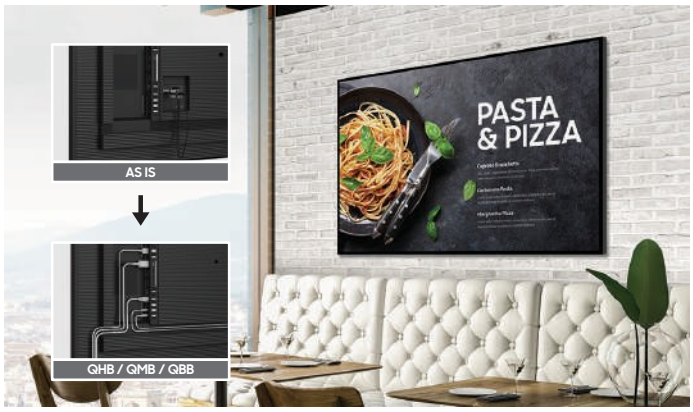
Image simulated for illustrative purposes.

Easy maintenance and designed with sustainability in mind

Streamlined set up and easy maintenance

Install and maintain without frustration. QHB / QMB / QBB Professional Display offers a simple set-up process that allows managers to configure after installation and maintain fixed settings from anywhere in the world. With access to the web-engine upgrades, showcase the latest innovative content exactly as you intend.

Auto Leveller | **Clean cable management** | **Portrait and Landscape Orientation**



Slim and symmetrical design

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

*Wall gap may vary depending on installation and wall type

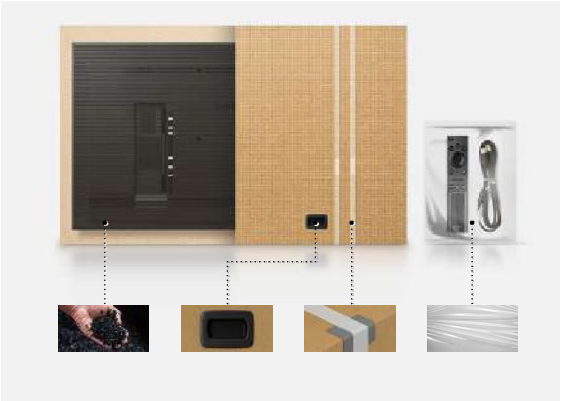


Clean cable guide

QHB / QMB / QBB Professional Displays blend perfectly into virtually 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.

Sustainability

QHB / QMB / QBB Professional Displays use recycled plastics for the rear side cover and packaging. Additionally, Samsung received certifications for energy savings and carbon footprint reduction and complies with restriction guidelines for hazardous substances such as RoHS, REACH and WEEE..



Multiple ways to connect and collaborate

Connectivity

Enhance professional environments with expert tools. Built-in professional modes enable more possibilities in specific verticals.



Custom Home



Upgradable Web-engine



DICOM Simulation Mode





Custom Home

Designed for IT professionals to simplify conference room management, Custom Home allows admins to lock specific meeting room settings, preventing users from changing display settings in between meetings. Now, conference rooms can work throughout the day as intended, with no errors, allowing IT to focus on other

Upgradable Web-engine

Upload virtually any piece of content, no matter how innovative. QHB / QMB / QBB Professional Display frequent web-engine upgrades enables the latest types of content to be played, allowing for diversified and engaging creative assets.





Director Mode

Featuring built-in Director Mode, Samsung QHB / QMB / QBB Professional Display allows users to minimise post-processing to bring images close to the director's original intention. From colour representation to picture proportion, directors can express their vision without any distortion.

DICOM Simulation Mode

Medical teams can collaborate efficiently and effectively thanks to Samsung QHB / QMB / QBB Professional Displays' DICOM Simulation Mode, which meets 100% of grayscale required by DICOM standard. Plus, it helps to simulate medical images such as X-rays*.

* Display provides a simulated experience and is not intended for diagnosis purposes.

Stunning picture quality and design

Make every visual experience impactful. QHB / QMB / QBB Professional Display provides head-turning visuals with true-to-life colours and elevates your content to 4K with AI video processing technology.* With reliable, anti-glare panels and an unintrusive design, audiences see content clearly, without distraction.

*Picture quality of upscaled content varies depending on quality of source content.

Dynamic Crystal Colour

Quantum Processor 4K

Non-glare

Slim and symmetrical desgin

Clean cable guide

* QBB Series is not supported for non-glare.



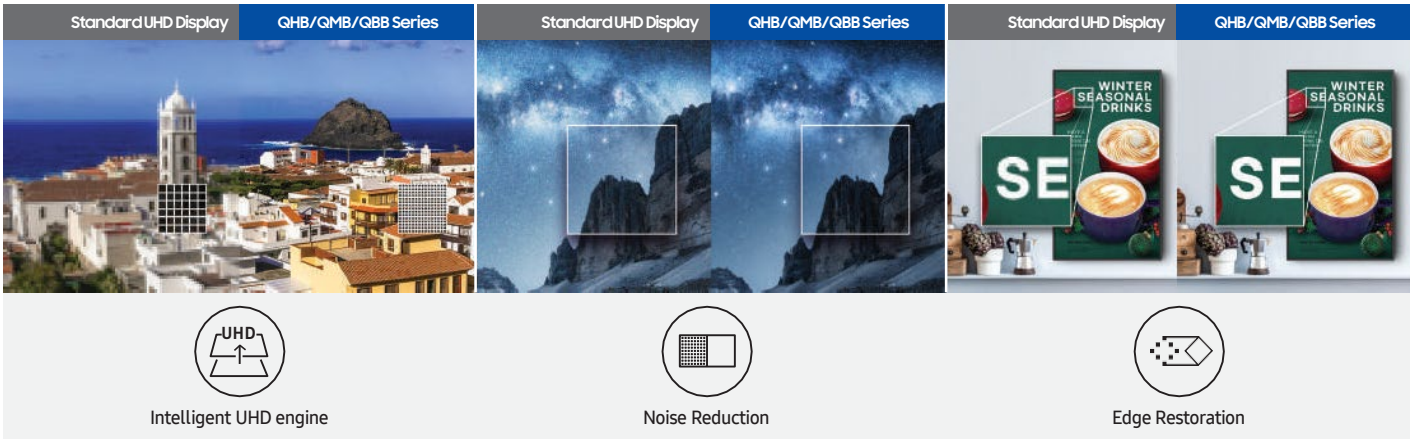
Dynamic Crystal Colour

Dynamic Crystal Colour captures subtle differences for virtually flawless color expression using 10-bit processing, ensuring content is as lifelike as possible.



Non-glare

All QHB / QMB Professional Displays feature reliable, anti-glare panels that provide visibility from a range of angles, any time of day. The anti-glare display enables businesses to deliver accurate information in critical locations, such as airports and train stations.



Intelligent UHD engine

Noise Reduction

Edge Restoration

Quantum Processor 4K

Samsung's video processing technology helps enhance your 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. Picture quality of upscaled content may vary depending on quality of source content.

Business applications


Conference room



Meeting room



Retail



Airport

Model			QM43B	QM50B	QM55B	QM65B	QM75B
Display Panel	Diagonal Size	Class	43	50	55	65	75
		Measured	42.5" / 107.9cm	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)
	Brightness(Typ.)		500 nit	500 nit	500 nit	500 nit	500 nit
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape/ Portrait	Landscape / Portrait	Landscape / Portrait
	Haze		25%	25%	25%	25%	25%
	Contrast Ratio (Typ.)		4000:1 (* IPS - 1200:1)	4000:1	4000:1	4000:1	4000:1
	Type		VA	VA	VA	VA	VA
	Active Display Area		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	0.285 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)
	Operation Hour		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)
		AUDIO	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
		Tuner	N/A	N/A	N/A	N/A	N/A
	OUTPUT	VIDEO	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
		USB	N/A	N/A	N/A	N/A	N/A
	WiFi / BT		O / O	O / O	O / O	O / O	O / O
	EXTERNAL CONTROL		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
Mechanical Spec	Dimension (mm)	Set	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	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185	1871 x 1127 x 223
	Weight (kg)	Set	10	13.4	18.1	24.9	38.3
		Package	13.3	17.6	23.6	33.3	49
	VESA Mount		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)	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
		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
		Storage (FDM)	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				
Certification	Safety		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
	Environment		ENERGY STAR 8.0, EPEAT	(TBD)	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT	ENERGY STAR 8.0, EPEAT
	IP Rating		IP5x	IP5x	IP5x	IP5x	IP5x
	Security		802.1x(WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP				
Power	Power Supply		AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	110	171	143	182	231
		Typical[W/h]	79	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
Operating Condition	Temperature		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%
Accessories	Included		Quick Setup Guide / Warranty Card / Power Cord / RS232C(IN) Gender / Remote Controller & Batteries				
	Optional	Stand	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
		Specialty	CML400XR	CML400XR	CML400XR	CML450T	CML450T