

SAMSUNG SMART SIGNAGE

QMH SERIES

Deliver Impactful UHD Content through an All-Inclusive, Easy-to-Manage Display

Samsung's QMH Series displays deliver content with added precision and visual impact while also improving operational efficiency. Through advanced UHD picture quality, the QMH Series displays foster an inviting and memorable viewing environment in any indoor setting. Additionally, these displays undergo thorough testing and certification to ensure continuous, round-the-clock performance. Backed by the powerful SSSP 5.0 platform and TIZEN 3.0 operating system, the QMH Series displays feature a host of business-ready functionalities while also protecting business and customer data through enhanced security measures.

HIGHLIGHTS

- UHD picture quality amplifies content with ultra-realistic detail and clarity
- Integrated TIZEN 3.0 operating system improves overall performance while empowering business expandability
- Reinforced security measures protect business and customer data
- Dust-resistant design ensures continuous, 24/7 performance in any location
- Non-glare panel reduces the impact of natural and ambient lighting
- Expanded HDMI 2.0 connectivity allows for seamless daisy chaining

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INDUSTRY TRENDS

As businesses seek to extend viewer engagement and reinforce their own branding, many see advanced digital signage as a versatile and effective solution. While the exact needs for each individual business and industry vary, some commonalities exist during the signage evaluation process. Businesses want to showcase content as crisply and clearly as possible, with new innovations such as UHD picture quality offering customers something new and exciting. Beyond graphic precision and accuracy, businesses also seek new technologies that make their lives easier. This flexibility ranges from features that expand operational capabilities and reduce maintenance to the maximization of data security and protection.

WHY SAMSUNG QMH SERIES?



As the world's leading digital signage company, Samsung Electronics offers end-to-end display solutions that fulfill business needs while empowering growth. Recent advancements, such as the upgraded SSSP 5.0 platform featuring the TIZEN 3.0 operating system, have made our signage offerings even stronger and empower businesses to develop and deploy content with the confidence that it will perform continuously. The QMH Series combines state-of-the-art graphic performance and operational versatility with UHD picture quality to produce an unprecedented visual experience in any environment.

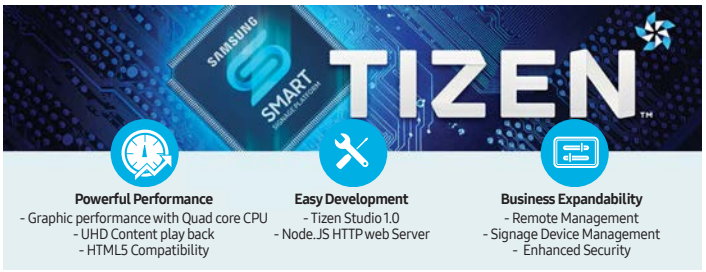


KEY FEATURES



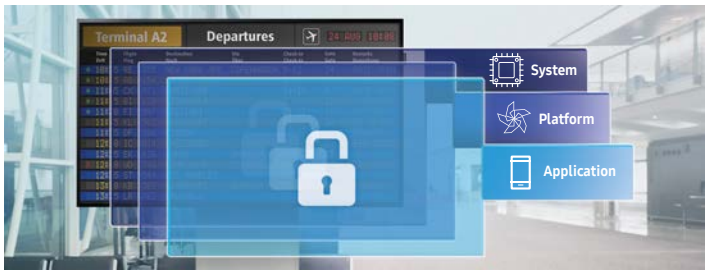
ENLIVEN COMMERCIAL CONTENT WITH UHD PICTURE QUALITY

Featuring state-of-the-art UHD picture quality, the QMH Series displays empower users to create and deliver more impactful messaging. Each QMH Series display showcases content with four times the ultrarealistic detail and clarity of standard alternatives, with a wider screen offering more space for text and imagery. When combined with performance features, such as portrait mode and extended durability, this next-level presentation makes the QMH Series ideal for any commercial setting.



ENJOY GREATER OPERATIONAL FLEXIBILITY WITH THE TIZEN OS

The QMH Series displays are among the first in Samsung's lineup to feature the upgraded SSSP 5.0, backed by the powerful TIZEN 3.0 operating system. Through this integration, users receive a host of business-critical capabilities, ranging from secure in-platform application development to remote management. Not only do the QMH Series displays feature an integrated media player and advanced graphic presentation features, but the all-in-one design also allows users to deliver targeted and personalized real-time messaging through the application-based Beacon management technology.



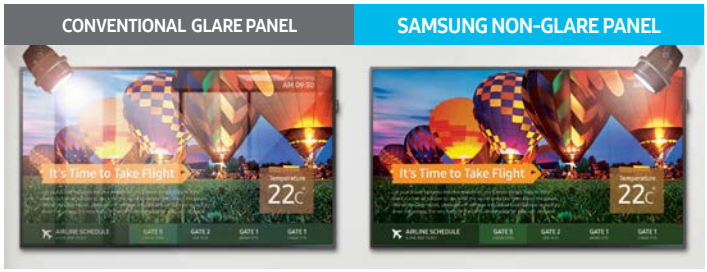
PROTECT BUSINESS AND CUSTOMER DATA THROUGH EXTENSIVE SECURITY

For government, financial and other information-based businesses, data protection is paramount for efficient operations. Samsung's QMH Series displays accommodate this need through intense security measures. The embedded TIZEN 3.0 OS offers defense across the application, platform and system layers, restricting file and data access to an exclusive user base.



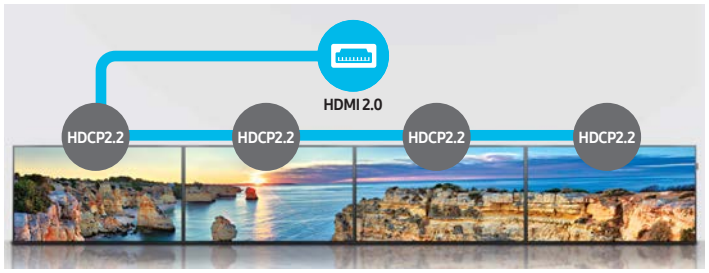
ENSURE CONTINUOUS PERFORMANCE IN ANY CONDITION

A reinforced and durable design enables the QMH Series displays to deliver content around the clock without interruption, regardless of the surrounding conditions. Prior to distribution, the QMH Series displays undergo rigorous IP5x certification to deter any potential impact from dust exposure. In turn, transportation hubs and other settings that face a host of natural and man-made variables can implement the displays without an external enclosure.



ACHIEVE BRILLIANT, GLARE-FREE PICTURE QUALITY

Samsung's QMH Series displays ensure readability in any environment through a rigid non-glare front panel. This enhanced design reduces reflection and maintains clear visibility for featured text and imagery. As a result, indoor and outdoor businesses who face frequent exposure to bright natural or ambient lighting can deploy compelling content without having to worry about interference.



CONFIGURE MULTIPLE DISPLAYS SEAMLESSLY AT OPTIMAL CONNECTIVITY

An upgrade on more limited alternatives, the QMH Series displays support a range of content and elevate overall display performance through both HDMI 2.0 and DP1.2 port connectivity. This versatility ensures a consistent 60 Hz. refresh rate and optimal clarity regardless of the source. Additionally, users can leverage the HDMI 2.0 option to configure multi-display UHD daisy chains up to 2x2 in size.

SPECIFICATIONS

MODEL			QM49H	QM55H	QM65H
Panel	Diagonal Size	Class	49	55	65
		Measured	48.5" / 123.2cm	54.6" / 138.7cm	64.5" / 163.8
	Type		60Hz E-LED BLU	60Hz E-LED BLU	60Hz E-LED BLU
	Resolution		3840x2160(16:9)	3840x2160(16:9)	3840x2160(16:9)
	Pixel Pitch (mm)		0.105 x 0.315 (mm)	0.105 x 0.315 (mm)	0.105 x 0.315 (mm)
	Active Display Area		1073.78(H) x 604.0(V)	1209.60(H) x 680.40(V)	1438.48(H) x 814.52(V)
	Brightness(Typ.)		500nit	500nit	500nit
	Contrast Ratio (Typ.)		4000:1	4000:1	4000:1
	Viewing Angle(H/V)		178/178	178/178	178/178
	Response Time (G to G)		8ms (Typ)	8ms (Typ)	8ms (Typ)
	Display Colors		16.7M(True Display)/ 1.07B(Ditherd 10bit)	16.7M(True Display) / 1.07B(Ditherd 10bit)	16.7M(True Display) / 1.07B(Ditherd 10bit)
	Color Gamut		72%	72%	72%
	Operation Hour		24/7	24/7	24/7
	Haze		25%	25%	25%
Display	Dynamic C/R		Mega	Mega	Mega
	H-Scanning Frequency		30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ
	V-Scanning Frequency		48 ~ 75HZ	48 ~ 75HZ	48 ~ 75HZ
	Maximum Pixel Frequency		594MHz	594MHz	594MHz
Sound	Speaker Type		Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)
Connectivity	Input	RGB	DVI-D, Display Port 1.2 (1)	DVI-D, Display Port 1.2 (1)	DVI-D, Display Port 1.2 (1)
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP2.2	HDCP2.2	HDCP2.2
		AUDIO	Stereo mini Jack, DVI, HDMI	Stereo mini Jack, DVI, HDMI	Stereo mini Jack, DVI, HDMI
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
	Output	RGB	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)
		VIDEO	N/A	N/A	N/A
		HDCP	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		AUDIO	N/A	N/A	N/A
		USB	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45
	EXTERNAL SENSOR		IR	IR	IR
	Tuner		N/A	N/A	N/A
Power	Type		Internal	Internal	Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	On mode [W]	101(Typical), 140(Rating), 154(Max)	111(Typical), 150(Rating), 165(Max)	125(Typical), 180(Rating), 198(Max)
		Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W
		Off mode	less than 0.5W	less than 0.5W	less than 0.5W
Mechanical Spec	Dimen-sion(mm)	Set	1099.4 x 634.0 x 36.8	1235.3 x 710.4 x 36.8	1456.1 x 835.6 x 37.5
		Package	1195.0 x 721.0 x 177.0	1335.0 x 812.0 x 182.0	1571 X 956 X 212
	Weight (kg)	Set	13.7	17.1	22.8
		Package	18.6	23.2	32.4
	VESA Mount		400x400	400x400	400x400
	Stand Type		Foot Stand (Optional)	Foot Stand (Optional)	Foot Stand (Optional)
	Bezel Width (Top/Side/Bot) (mm)		11.0/11.0/12.0	11.0/11.0/12.0	12.0/12.0/12.0
Operation	Operating Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Humidity		10~80%	10~80%	10~80%
Feature	Key		UHD Signage Display / Slim & Light Signage with Built-in MagicInfo S5, SSSP 5.0		
	Special	H/W	Temperature Sensor,Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W 2ch), Video Wall Daisy Chain(HDCP2.2:4EA,HDCP1.4:7EA), IP5x, 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 CacheMemory	L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB		
		Clock Speed	1.7GHz Quad-Core CPU		
		Main Memory Interface	3G / 3ch 64bit LPDDR4 1.6GHz		
		Graphics	2D & 3D Graphic Accelerator, Data Format : 32bpp, Output resolution : 3840x2160p		
		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 - VP8, VP9, HEVC, JPEG Audio DSP(Decoder) - MPEG, AC3, AC4, DD, MP3 and etc		
		IO Ports	USB 2.0	USB 2.0	USB 2.0
		Operating System	Tizen 3.0 (VDLinux)	Tizen 3.0 (VDLinux)	Tizen 3.0 (VDLinux)
Certification	Safety		60950-1	60950-1	60950-1
	EMC		Class A	Class A	Class A
	Environment		ENERGY STAR 7.0	ENERGY STAR 7.0	ENERGY STAR 7.0
Accessories	Included		Quick Setup Guide, Warranty Card,Power Cord, Remote Controller, Batteries		
	Optional	Stand	STN-L4655E	STN-L4655E	STN-L6500E
		Mount	WMN4270SD	WMN4270SD	WMN6575SD
		Specialty	CLM450D	CLM450D	CLM450D
		Media Player	SBB	SBB	SBB

About Samsung Electronics Co., Ltd.

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SMART Signage

For more information about Samsung SMART Signage QMH Series Displays, visit
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2017-07

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