

# SPECIFICATIONS

MODEL		QB65H	QB75H	
Panel	Diagonal Size	Class 65 64.5" / 163.8	75 74.5" / 189.3cm	
	Type	60Hz E-LED BLU	120Hz Slim Direct LED BLU	
	Resolution	3840x2160(16:9)	3840x2160(16:9)	
	Pixel Pitch (mm)	0.105 x 0.315 mm	0.143x0.429 mm	
	Active Display Area	1428.48(H) x 803.52(V)	1650.24(H) x 928.26(V)	
	Brightness(Typ.)	300nit	300nit	
	Contrast Ratio (Typ.)	4000:1	4000:1	
	Viewing Angle(H/V)	178/178	178/178	
	Response Time (G to G)	8ms (Typ)	8ms (Typ)	
	Display Colors	16.7M(True Display) / 1.07B(Dithered 10bit)	16.7M(True Display) / 1.07B(Dithered 10bit)	
Display	Color Gamut	72%	72%	
	Operation Hour	16/7	16/7	
	Haze	2%	2%	
	Dynamic C/R	Mega	Mega	
	H-Scanning Frequency	30 ~ 81kHz	30 ~ 81kHz	
Sound	V-Scanning Frequency	48 ~ 75Hz	48 ~ 75Hz	
	Maximum Pixel Frequency	594MHz	594MHz	
Connectivity	Speaker Type	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	
	Input	RGB	DVI-D, Display Port 1.2 (1)	DVI-D, Display Port 1.2 (1)
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP2.2	HDCP2.2
		AUDIO	Stereo mini Jack, DVI, HDMI	Stereo mini Jack, DVI, HDMI
		USB	USB 2.0 x 2	USB 2.0 x 2
	Output	RGB	N/A	N/A
		VIDEO	N/A	N/A
		HDCP	Stereo mini Jack	Stereo mini Jack
		AUDIO	N/A	N/A
USB		N/A	N/A	
EXTERNAL CONTROL	RS232C(in/out), RJ45	RS232C(in/out), RJ45		
EXTERNAL SENSOR	IR	IR		
Tuner	N/A	N/A		
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), 150(Rating), 165(Max) Sleep mode less than 0.5W Off mode less than 0.5W	284(Typical), 370(Rating), 407(Max) less than 0.5W less than 0.5W	
Mechanical Spec	Dimension(mm)	Set 1456.1 x 835.6 x 37.6 Package 1571 x 956 x 212	1688.9 x 971.2 x 66.0 1886 x 1138 x 258	
	Weight (kg)	Set 22.8 Package 32.4	34.8 55.1	
	VESA Mount	400x400	400x400	
	Protection Glass	N/A	N/A	
	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	
Operation	Bezel Width (Top/Side/Bot) (mm)	12.2/12.2/12.2	16.1/16.1/20.2	
	Operating Temperature	0°C~ 40°C	0°C~ 40°C	
	Humidity	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), Wi-Fi	
		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 / Output resolution : 3840x2160p	
		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	
		Multimedia	- MPEG1/2/4, 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		Video Decoder USB 2.0		
Operating System	Tizen 3.0 (VDLinux)			
Certification	Safety	60950-1		
	EMC	Class A		
	Environment	ENERGY STAR 7.0(TBD)	N/A(TBD)	
Accessories	Included	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries		
	Optional	Stand	STN-L6500E	STN-L7585F
		Mount	WMN6575SE	WMN6575SD
		Specialty	CLM450D	-
		Media Player	SBB	

## About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions. For the latest news, please visit the Samsung Newsroom at <http://news.samsung.com>.

## SMART Signage

For more information about Samsung SMART Signage QMH Series Displays, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

Copyright © 2017 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd.  
416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772, Korea

2017-09



# SAMSUNG SMART SIGNAGE QBH SERIES

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

Samsung's QBH Series displays deliver content with added precision and visual impact while also improving operational efficiency. Through advanced UHD picture quality, the QBH Series displays foster an inviting and memorable viewing environment in any indoor setting. Backed by the powerful SSSP 5.0 platform and TIZEN 3.0 operating system, the QBH 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

KnITec

(866) 469-7111 toll free

[sales@knitec.com](mailto:sales@knitec.com)

[www.knitec.com](http://www.knitec.com)

SAMSUNG

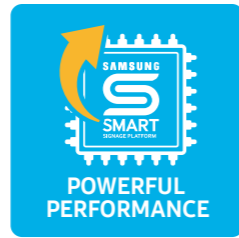
SAMSUNG

## 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 QBH 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 QBH 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



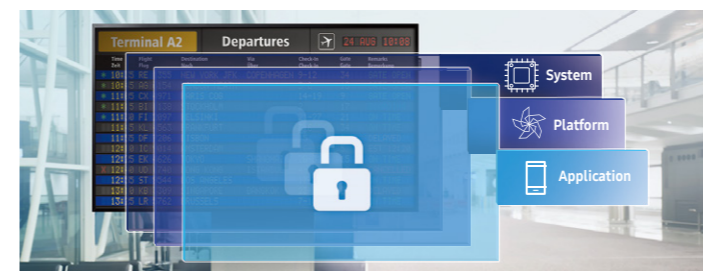
## ENLIVEN COMMERCIAL CONTENT WITH UHD PICTURE QUALITY

Featuring state-of-the-art UHD picture quality, the QBH Series displays empower users to create and deliver more impactful messaging. Each QBH Series display showcases content with four times the ultra realistic 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 QBH 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 QBH 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 QBH 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.



## ENJOY A CONSISTENT, ACCELERATED REFRESH RATE THROUGH VERSATILE CONNECTIVITY

An upgrade on more limited alternatives, the QBH 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.