



Samsung Smart Signage

QMR-B, QMT-B series

Display any content in ultra-high definition with incredibly rich color on slim, efficient signage

Through intelligent UHD upscaling technology, Samsung's QMR-B, QMT-B series performs edge restoration and noise reduction to deliver UHD picture quality even with lower resolution content. As an added benefit, this series also features reliable, non-glare panels that provide better visibility from all angles. Backed by Tizen 4.0, this series provides reinforced capability with multiple web formats and secured protection. Additionally, its new slim design simplifies wall mounting and ensures seamless installation.

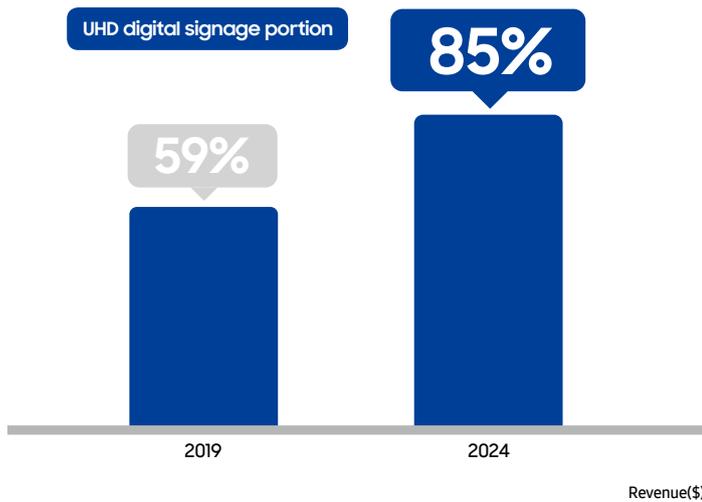
Highlights

- Engage customers with lifelike images through ultra high-definition resolution
- Deliver UHD-level picture quality even with lower resolution content through Crystal Processor 4K supporting advanced UHD upscaling technology
- Dynamic Crystal Display allows viewers to enjoy a wider spectrum of colors, up to one billion shades
- Symmetrical, slim design simplifies installation and complements any environment
- Secure, PC-free operation through Knox and rigid three-layer protection
- Reliable, non-glare panels provide better visibility from all angles, anytime of day allowing businesses to deliver accurate information 24/7

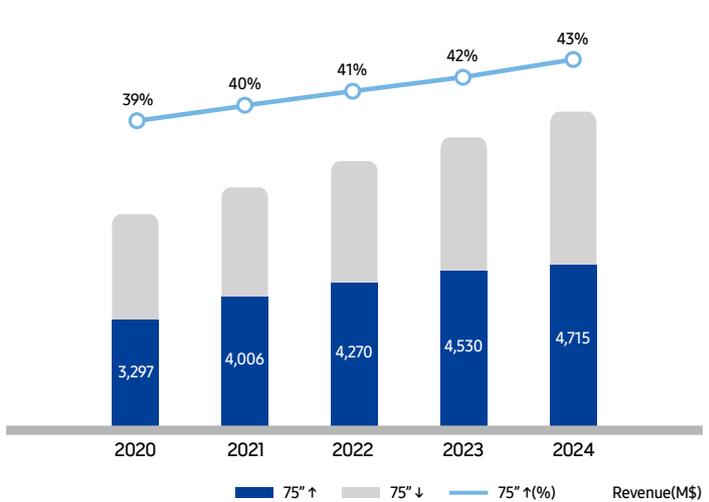
Industry trend

With visual display technology continually improving, viewers have developed an ever-growing expectation for better – and bigger – picture quality. Users, more than ever, want to captivate customers with truly lifelike images and gain a competitive edge over their industry peers with best-in-class displays. This is reflected in the fact that UHD resolution continues to grow in popularity, becoming an essential way for brands to impress customers amid a wider variety of stunning, aesthetical visuals and content. This trend is coupled with demand for larger screen sizes, particularly in the 75-inch and above category, enabling businesses to differentiate themselves and display content in a more impactful way than ever before.

Ultra-high definition is the new normal *



Demand for bigger screens is on the rise **

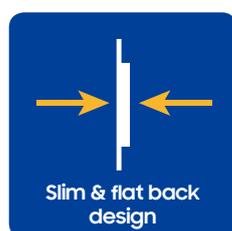


*** Source : Omdia, Public Displays Market Tracker Q1 2020, July 2020. Revenues in USD Millions. Does Not Include Consumer TVs Used as Public Displays. Not an Endorsement of Samsung Electronics Co. Ltd. Any Reliance on these results is at the third-party's own risk.

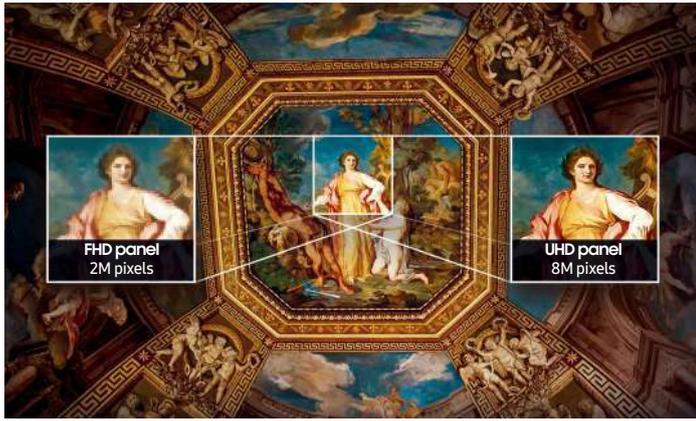
Why Samsung's QMR-B, QMT-B series?

Samsung's superior visual display technology has positioned them as the industry leader in the digital signage market for a decade* and Samsung brand having been No.1 in sales for 12 consecutive years in the display market**. As an expert in picture quality in the display industry, Samsung is able to deliver best-in-class picture quality through their QMR-B, QMT-B series. The signage provides rich and flawless colors, sleek and durable design, powerful performance through SSSP 6 and secured protection. Samsung's QMR-B, QMT-B series is also able to upscale the low resolution content to UHD picture quality. For commercial displays, this technology advancement means highly visible signage with unmatched accuracy to help capture the attention of potential customers. It also means savings both in cost and time for businesses who can produce content more inexpensively at a lower resolution and still display it in stunning UHD quality.

* Results based on Omdia(former IHS) report "Public Displays Market Tracker", 2009 – 2018. Information is not an endorsement of Samsung. Any reliance on these results is at the third party's own risk.
 ** According to market research company "Omdia". Ranking in terms of shipments. Results are not an endorsement of Samsung. Any reliance on these results is at the third-party's own risk.



Key features



Incredible 4K picture quality

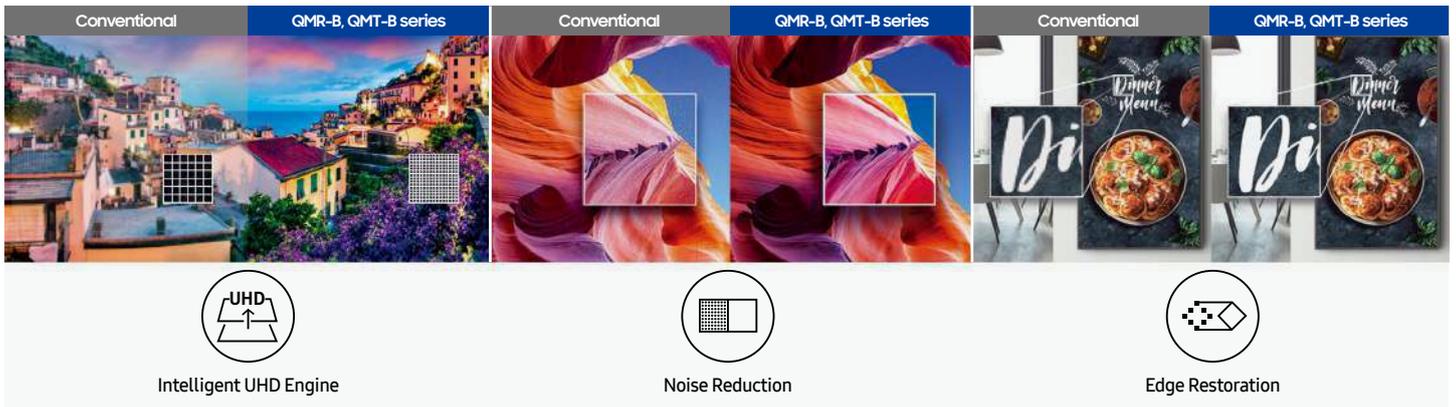
Samsung's new QMR-B, QMT-B series is able to capture customer attention by providing an incredibly clear picture, showcasing lifelike images and intricate details better than ever before thanks to ultra high-definition 4K resolution.



Perfect view with non-glare display

When clear visibility is essential, the QMR-B, QMT-B series incorporates key features including up to 500 nit brightness and reliable, non-glare panels that provide better visibility from all angles, anytime of day. The display is ideal for locations such as airports and commuter stations where 24/7 access to clear and accurate information is crucial.

* Non-glare feature vary by model.



Crystal Processor 4K

Samsung's global leadership in display technology and picture quality spans more than a decade. Thanks to superior semi-conductor technology, Samsung has developed the powerful video processor available. Additionally, intelligent UHD upscaling technology is a cutting-edge solution based on Samsung's proprietary UHD Processor that allows content developed at a lower resolution to be elevated to UHD-level quality. It also performs edge restoration and noise reduction to optimize on-screen text and imagery with crisp edges and fine detail.



Dynamic Crystal Display

Dynamic Crystal Display is what brings the incredible, lifelike color to Samsung displays. Using 10-bit processing, the displays are able to showcase a wider spectrum of colors — up to a billion different shades — capturing subtle differences for flawless color expression, critical to businesses in ensuring brand consistency across communication channels. The QMR-B, QMT-B series also features HDR+ functionality that converts standard definition (SDR) content to HDR quality for sharper contrast and more vivid colors.

Key features



Slim and symmetrical design

The all-new slim and symmetrical design of the QMR-B, QMT-B series significantly simplifies wall mounting the display and ensures installation is a seamless process. The display's power inlet direction has been redesigned to sit flush against the wall. The new design sets guarantees a long life cycle ensuring the QMR-B, QMT-B series will stand the test of time.



Clean cable management

In a corporate or retail environment, the back of a display is often visible to customers. With the QMR-B, QMT-B series' new cable guide feature retailers can tuck messy cables away from view. This allows for a clean and more visually-appealing customer shopping experience.

* Rear panel of display may vary by model.



Workspace secured by Knox

Workspace is a powerful new feature fortified by proprietary Knox security technology allowing users to create an enhanced virtual collaboration workspace without needing a PC in the room, or any physical connection. Simply connect a keyboard and mouse to the display and immediately get to work accessing a PC remotely or web based cloud services such as Microsoft Office 365 and VMWare Horizon.



Powerful, all-in-one solution

The Samsung Smart Signage Platform (SSSP) is an open-source, all-in-one solution embedded in Samsung Smart signage that simplifies installation and maintenance. With SSSP, there is no need for any external devices to communicate with the server or play digital media enjoying easy development, reinforced capability with multiple web formats, and secured protection.



Industry standard certified

QMR-B displays are EMC class B compliant, providing a safe and healthy viewing environment by meeting strict standards of electromagnetic wave emission and assuring reliable operation even near other electronic equipment. The displays are also registered by EPEAT, the global ecolabel for IT, confirming the hardware is sustainable for the full product lifecycle, from design and production to energy use and recycling.

* EMC class vary by model.

Specifications

Model		QM32R-B	QM43R-B	QM43R-B (LH43QMRBPGCX, IPS Panel)		
Panel	Diagonal Size	Class	32	43		
		Measured	31.5	42.5		
	Type	Edge LED BLU	Edge LED BLU	Edge LED BLU		
	Resolution	FHD (1920 x 1080)	UHD (3840 x 2160)	UHD (3840 x 2160)		
	Pixel Pitch (mm)	0.360 (H) x 0.360 (V)	0.2451 (H) x 0.2451 (V)	0.2451 (H) x 0.2451 (V)		
	Active Display Area	698.4 (H) x 392.85 (V)	941.184 (H) x 529.416 (V)	941.184 (H) x 529.416 (V)		
	Brightness (Typ.)	400	500	500		
	Contrast Ratio (Typ.)	5000:1	4000:1	1200:1		
	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 (Dithered 10bit)	16.7M (True Display) 1.07B (Dithered 10bit)	16.7M (True Display) 1.07B (Dithered 10bit)		
	Color Gamut	72%	92% (DCI-P3, CIE1976)	92% (DCI-P3, CIE1976)		
	Operation Hour	24/7	24/7	24/7		
	Haze	2%	44%	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	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)	
HDMI 2.0 (2)			HDMI 2.0 (2)	HDMI 2.0 (2)		
HDCP			HDCP2.2	HDCP2.2		
AUDIO			Stereo Mini Jack, HDMI/Audio (Common)	Stereo Mini Jack, HDMI/Audio (Common)	Stereo Mini Jack, HDMI/Audio (Common)	
USB			USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	
OUTPUT		RGB	N/A	N/A	N/A	
		VIDEO	N/A	N/A	N/A	
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	
		Power Out	N/A	N/A	N/A	
		USB	N/A	N/A	N/A	
EXTERNAL CONTROL	RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45			
EXTERNAL SENSOR	IR	IR	IR			
Tuner	N/A	N/A	N/A			
Power	Type	Internal	Internal	Internal		
	Power Supply	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz		
	Power Consumption	Max [W/h]	72	110	110	
		Typical [W/h]	44	74	74	
		Rating [W/h]	65	100	100	
		BTU (Max)	245.7	375.1	375.1	
		Sleep mode	0.5	0.5	0.5	
Off mode		N/A	N/A	N/A		
Mechanical Spec	Dimension (mm)	Set	725.1 x 419.6 x 34.6	967.5 x 557.7 x 48.3		
		Package	812 x 513 x 120	1095 x 676 x 151		
	Weight (kg)	Set	5.7	10		
		Package	8	13.3		
	VESA Mount	200 x 200	200 x 200	200 x 200		
	Protection Glass	N/A	N/A	N/A		
	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	Foot Stand (Optional)		
	Bezel Width (Top/Side/Bot) (mm)	8.8mm (U/L/R/B)	9.2mm (U/L/R), 11.2mm (B)	9.2mm (U/L/R), 11.2mm (B)		
Operation	Operating Temperature	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C		
	Humidity	10 ~ 80%	10 ~ 80%	10 ~ 80%		
Feature	Key	FHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0		UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0		
		Landscape / Portrait		Landscape / Portrait		
	Special	H/W	Temperature Sensor/Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi		Temperature Sensor/Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	
		S/W	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)		Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)	
	Internal Player (Embedded H/W)	Processor	Cortex A72 1.7GHz Quad-Core CPU		Cortex A72 1.7GHz Quad-Core CPU	
		On-Chip Cache Memory	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB		L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB	
		Clock Speed	1.7GHz		1.7GHz	
		Main Memory Interface	2.5GB		2.5GB	
		Graphics	LPDDR4 1.5GHz 64bit		LPDDR4 1.5GHz 64bit	
			Graphic resolution : 1920 x 1080 Output resolution : 1920 x 1080 (Scale up from graphic processing result.)		Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)	
			8GB (3.88GB Occupied by O/S, 4.12GB Available)		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+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG		*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG	
		IO Ports	USB 2.0		USB 2.0	
		Operating System	Tizen 4.0 (VDLinux)		Tizen 4.0 (VDLinux)	
	Certification	Safety	60950-1		60950-1	
EMC		Class B (TBD)		Class B		
Environment		ENERGY STAR 8.0, Epeat		ENERGY STAR 8.0, Epeat		
Security		802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		
Accessories	Included	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries		Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries		
	Optional	Stand	STN-L3240E		STN-L4355F	
		Mount	WMN40705E (Land Only) WMN750ME		WMN40705E (Land Only) WMN750ME	
		Specialty	CML400XK		CML400XK	
		Media Player	N/A		N/A	

Specifications

Model		QM50R-B	QM55R-B	QM65R-B	
Panel	Diagonal Size	Class	50	55	65
		Measured	49.5	54.6	64.5
	Type	Edge LED BLU	Edge LED BLU	Edge LED BLU	
	Resolution	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	
	Pixel Pitch (mm)	0.285 (H) x 0.285 (V)	0.315 (H) x 0.315 (V)	0.372 (H) x 0.372 (V)	
	Active Display Area	1073.78 (H) x 604.00 (V)	1209.6 (H) x 680.4 (V)	1428.48 (H) x 803.52 (V)	
	Brightness (Typ.)	500	500	500	
	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 (Dithered 10bit)	16.7M (True Display) 1.07B (Dithered 10bit)	16.7M (True Display) 1.07B (Dithered 10bit)	
	Color Gamut	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	
	Operation Hour	24/7	24/7	24/7	
	Haze	28%	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	Display Port 1.2 (1)	Display Port 1.2 (1)	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, HDMI/Audio (Common)	Stereo Mini Jack, HDMI/Audio (Common)	Stereo Mini Jack, HDMI/Audio (Common)
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
	OUTPUT	RGB	N/A	N/A	N/A
		VIDEO	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A	N/A
		USB	N/A	N/A	N/A
	EXTERNAL CONTROL	RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45	
	EXTERNAL SENSOR	IR	IR	IR	
	Tuner	N/A	N/A	N/A	
	Power	Type	Internal	Internal	Internal
Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	
Power Consumption		Max [W/h]	170.5	143	181.5
		Typical [W/h]	117	108	131
	Rating [W/h]	155	130	165	
	BTU (Max)	581.4	487.6	618.9	
Sleep mode	0.5	0.5	0.5		
Off mode	N/A	N/A	N/A		
Mechanical Spec	Dimension (mm)	Set	1121.4 x 643.9 x 46.3	1235.1 x 707.9 x 46.3	1453.9 x 831.0 x 46.3
		Package	1269 x 784 x 152	1402 x 858 x 163	1611 x 973 x 185
	Weight (kg)	Set	13.4	18.1	24.9
		Package	17.6	23.6	33.3
	VESA Mount	200 x 200	200 x 200	400 x 400	
	Protection Glass	N/A	N/A	N/A	
	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	No	
	Bezel Width (Top/Side/Bot) (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)	
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 S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	
	Orientation	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	
	Special	H/W	Temperature Sensor/Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	Temperature Sensor/Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	Temperature Sensor/Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi
		S/W	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)
	Internal Player (Embedded H/W)	Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		On-Chip Cache Memory	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB
		Clock Speed	1.7GHz	1.7GHz	1.7GHz
		Main Memory Interface	2.5GB	2.5GB	2.5GB
		Graphics	LPDDR4 1.5GHz 64bit Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)	LPDDR4 1.5GHz 64bit Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)	LPDDR4 1.5GHz 64bit Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)
		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	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+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG
		IO Ports	USB 2.0	USB 2.0	USB 2.0
		Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
		Certification	Safety	60950-1	60950-1
EMC	Class B		Class B	Class B	
Environment	ENERGY STAR 8.0, Epeat		ENERGY STAR 8.0, Epeat	ENERGY STAR 8.0, Epeat	
Security	802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP		802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	
Accessories	Included	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	
	Optional	Stand	STN-L4355F	STN-L4355F	-
		Mount	WMN40705E (Land Only) WMN750ME	WMN40705E (Land Only) WMN750ME	WMN42775E (Land Only) WMN750ME
		Specialty	CML400XK	CML400XK	CLM450K
		Media Player	N/A	N/A	N/A

Specifications

Model		QM75R-B	QM85R-B	QM98T-B	
Panel	Diagonal Size	75	85	98	
	Class	74.5	84.5	97.5	
		Measured			
	Type	Edge LED BLU	Edge LED BLU	Direct LED BLU	
	Resolution	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	
	Pixel Pitch (mm)	0.42975 (H) x 0.42975 (V)	0.4875 (H) x 0.4875 (V)	0.562 (H) x 0.562 (V)	
	Active Display Area	1650.24 (H) x 928.26 (V)	1872.0 (H) x 1053.01 (V)	2158.848 (H) x 1214.352 (V)	
	Brightness (Typ.)	500	500	500	
	Contrast Ratio (Typ.)	4000:1	4000:1	1200:1	
	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 (Dithered 10bit)	16.7M (True Display) 1.07B (Dithered 10bit)	16.7M (True Display) 1.07B (Dithered 10bit)	
	Color Gamut	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	72%	
	Operation Hour	24/7	24/7	24/7	
Haze	44%	28%	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	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, HDMI/Audio (Common)	Stereo mini Jack, DVI, HDMI/Audio (Common)	Stereo mini Jack, DVI, HDMI
		USB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
	OUTPUT	RGB	N/A	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)
		VIDEO	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A	N/A
		USB	N/A	N/A	N/A
	EXTERNAL CONTROL	RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45	RS232C(in/out) thru stereo jack, RJ45	
	EXTERNAL SENSOR	IR	IR	IR	
	Tuner	N/A	N/A	N/A	
Power	Type	Internal	Internal	Internal	
	Power Supply	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	
	Power Consumption	Max [W/h]	231	308	616
		Typical [W/h]	178	217	414
		Rating [W/h]	210	280	560
		BTU (Max)	787.7	1050.3	2101.9
		Sleep mode	0.5	0.5	0.5
Off mode		N/A	N/A	N/A	
Mechanical Spec	Dimension (mm)	Set	1681.1 x 960.1 x 49.7	1897.8 x 1080.8 x 56.7	2195.8 x 1250.8 x 96.5
		Package	1871 x 1127 x 223	2090 x 1247 x 260	2369 x 1405 x 350
	Weight (kg)	Set	38.3	48.4	83
		Package	49	63.7	106
	VESA Mount	400 x 400	600 x 400	800 x 400	
	Protection Glass	N/A	N/A	N/A	
	Stand Type	No	N/A	N/A	
	Bezel Width (Top/Side/Bot) (mm)	11.5mm (U/L/R), 12.5mm (B)	10.9mm (U/L/R), 12.9mm (B)	17.9	
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 S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0	
	Orientation	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	
	Special	H/W	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	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 Rating, Wi-Fi	Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), Video Wall Daisy Chain (HDCP2.2:4EA, HDCP1.4:7EA), Wi-Fi
		S/W	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)
	Internal Player (Embedded H/W)	Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
		On-Chip Cache Memory	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB
		Clock Speed	1.7GHz	1.7GHz	1.7GHz
		Main Memory Interface	2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit
		Graphics	Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)	Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)	Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160 (Scale up from graphic processing result.)
		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	8GB (3.88GB Occupied by O/S, 4.12GB Available)	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+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG
		IO Ports	USB 2.0	USB 2.0	USB 2.0
	Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	
Certification	Safety	60950-1	60950-1	60950-1	
	EMC	Class B	Class A	Class A	
	Environment	ENERGY STAR 8.0, Epeat	N/A	N/A	
	Security	802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1x (WPA2 Enterprise) (201-) : EAP-TLS, EAP-TTLS, EAP-PEAP	802.1x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	
Accessories	Included	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	
	Optional	Stand	-	-	-
		Mount	WMN4275E (Land Only) WMN6575E	WMN8200SF / WMN8200SG	WMN8200SG (Land Only)
		Specialty	CLM450K	-	-
		Media Player	N/A	N/A	N/A

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

2022-06