

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

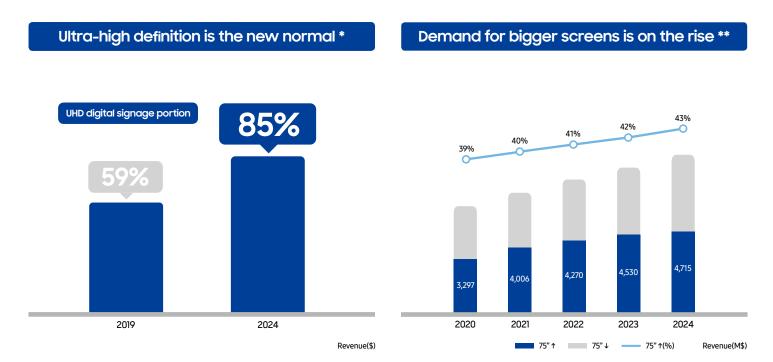
Through intelligent UHD upscaling technology, Samsung's QMR-B, QMT-B series performs edge restoration and noise reduction to deliver UHD picture quality even with lower resolution content. As an added benefit, this series also features reliable, non-glare panels that provide better visibility from all 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.



*,** 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

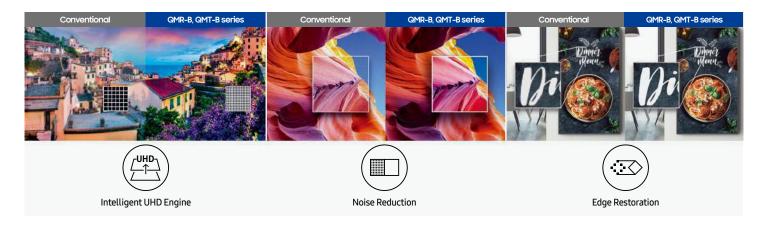
Samsung's new QMR-B, QMT-B series is able to capture customer attention by providing an incredibly clear picture, showcasing lifelike images and intricate details better than ever before thanks to ultra high-definition 4K resolution.



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 willstand 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.



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.



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.



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

Pacilibris	NM43R-B RBPGCX, IPS Panel)
Page	43
Pacidation	42.5
Heal Fittle-Borne Heal Fittle-Borne Head Per	dge LED BLU
Parel Parel Deploy New Parel Deploy New Parel Deploy New Parel Deploy New Parel Deploy P	D (3840 x 2160)
Marcel Marcel Septiment 19(1) 400 500 500	51 (H) x 0.2451 (V)
Part	4 (H) x 529.416 (V)
Name	500
Reported Time Fill to Col.	1200:1
Deploy Calers	178/178
Depth/Calibr 1,09610-Perfolicity 1,09610-Perfolicity 1,09610-Perfolicity 1,09610-Perfolicity 1,09610-Perfolicity 1,09610-Perfolicity 2,96410-Perfolicity 2,964	8ms (Typ.)
Color Cament	M (True Display)
Department	B (Ditherd 10bit)
Mac	(DCI-P3, CIE1976)
Popular Property	24/7
H-Sommon previous	25%
Marchan Marc	MEGA
Manument Peter Property 49 - Port	30 ~ 81kHZ
Speaker Type	48~75HZ
MPUT MICEP Despit year12.(1) Despit ye	594MHz
MPUT	Speaker (10W + 10W)
NPUT	play Port 1.2 (1)
NPUT	HDMI 2.0 (2)
Marce Wilson Marc	HDMI 2.0 (2) HDCP2.2
USB	
Mac	ck, HDMI/Audio (Common)
VIDEO	USB 2.0 x 2
DIFFUT	N/A
Power Out	N/A
Different Power Supply	ereo mini Jack
ECTERNAL CONTROL R5232C (in/out) thru stereo jock, RM5 R5232C (in/out) thru stereo jock, RM5 R5232C (in/out) thru stereo jock, RM5 R R R R R R R R R	N/A
DETERNAL SENSOR IR	N/A
DETENNAL SENSOR IR	ut) thru stereo jack, RJ45
Tuner	IR
Power Supply	N/A
More Supply AC 100 - 240 V, 50 (60 Hz AC 100 V, 50 V,	Internal
Power Consump- Pow	
Prover Consumption	0 - 240 V, 50/60 Hz
Power Consumption	110
Power Consumption Rating (Wh/h 65 100	74
Siepmode	100
Dimension (mm)	375.1
Dimension (mm) Set 7251x4196x34.6 9675x5577x48.3 96755	0.5
Dimension (mm) Package	N/A
Package 812 x 513 x 120 1095 x 676 x 151 1095 x 676 x 151	?.5 x 557.7 x 48.3
Package 8 13.3	095 x 676 x 151
VESAMount	10
VESA Mount 200 x 200 x 200 20 x 200 220 x 200	13.3
Protection Glass N/A N/A N/A Stand Type Foot Stand (Optional) Foo	200 x 200
Stand Type	N/A
Bezel Width (Top/Side/Bot) (mm) Operating Temperature O°C - 40°C O°C - 40°C	Stand (Optional)
Peration Operating Temperature OPC - 40°C OPC - 40°	(U/L/R),11.2mm (B)
Humidity 10 - 80% 10 - 80% 10 - 80% 10 - 80% 10 - 80% 11 Key FHD Signage Display Slim & Light Signage with Slim & Light Slim & Light Signage with Slim & Light	
FHD Signage Display Slim & Light Signage With Slight Signage	0°C ~ 40°C
Rey	10~80%
Built-in MagicInfo Sci, SSSP 6.0 Built-in MagicInfo Sci, SSP 6.0 Built-in MagicInfo Sci, Sci Sci, Built-in MagicInfo Sci Sci Sci Pc Built-in MagicInfo Sci	Signage Display Light Signage with
H/W French Enter Processor Fivot Display, Temperature Sensor, Pivot Display, Clock Battery (Icok Bat	lagicInfo S6, SSSP 6.0
H/W Clock Battery(168hrs Clock Keeping), Built in Speaker (10W 2ch), Built in Speaker	dscape / Portrait
Special FVW Built in Speaker (10W 2ch), Built in Speaker (re Sensor,Pivot Display,
Special IPSx Rating,Wi-Fi IPSx	y(168hrs Clock Keeping), Speaker (10W 2ch),
Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting) Plug&Plug&Plug&Plug&Plug&Plug&Plug&Plug&	ix Rating, Wi-Fi
Plug&Play (Initial Setting)	Switching & Recovery,
Processor Cortex A721.7GHz Quad-Core CPU Cortex A721.7GHz L1 Instruction Cache : 48KB L1 Inst	Button Lock, Hot key option, Play (Initial Setting)
ure On-Chip Cache Memory L1 Instruction Cache : 48KB L1 In	1.7GHz Quad-Core CPU
Description Company	uction Cache : 48KB
Clock Speed 1.7GHz 1.7GHz 2.5GB 2.5GB 2.5GB 1.1DDR41.5GHz 64bit 1.PDDR 1.5GHz 64bit 1.PDDR41.5GHz 64bit 1.	ata Cache : 32KB
Main Memory 1.5GB 2.5GB 2.5GB 1.5GHz 1.5GHz 64bit 1.5DHz	2 Cache : 2MB
Interface I-PDDR415GHz 64bit L-PDDR415GHz 64bit I-PDDR Internal Player (Embedded H/W) Internal Player (Embedded H/W) Internal Player (Embedded H/W) Internal Player (Embedded H/W) Internal Player (Graphics Graphic resolution: 1920 x 1080 Graphic resolution: 1920 x 1080 Output resolution: 3840 x 2160 Output	1.7GHz
Internal Player (Embedded H/W) Graphics Graphic (Scale up from graphic presolution : 1920 x1080) Graphic (Scale up from graphic processing result.) Graphics Graphics Graphic (Scale up from graphic processing result.) Graphic resolution : 1920 x1080 Output resolution : 1920 x108	2.5GB DR41.5GHz 64bit
(Embedded H/W) (Graphics Output resolution : 1920 x 1080 Output resolution : 3840 x 2160 Output resolution : (Scale up from graphic processing result.) (Scale up from graphic processing result.)	280 or 1.5GHz 64bit 280 or 1920 x 1080
8CB 8CB	solution : 1920 x 1080 solution : 3840 x 2160 graphic processing result.)
	8GB
(5.00db Occupied by 0/5, 4.12db Available) (5.00db Occupied by 0/5, 4.12db Available) (5.00db Occupied	ed by O/S, 4.12GB Available) MPEG-1/2/4, H.263, H.264/AVC,
Multimedia UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP9 *Audio UHD H.264/AVC, VC-1, AVS+,	5+, HEVC, JPEG, PNG, VP8, VP9 */ er: AC3 (DD), MPEG
	USB 2.0
	n 4.0 (VDLinux)
	60950-1
	Class B
Environment Environ start out peat Environ start out of the control of the contro	GY STAR 8.0, Epeat
	(WPA2 Enterprise) EAP-TTLS, EAP-PEAP
: EAP-ILS, E	, EAP-TTLS, EAP-PEAP p Guide, Warranty Card,
Included quick Setup course, war alraity Carlo, quick Setup course, war a quick Setup course, war alraity Carlo, quick Setup course, and the power Cord, Remote Controller, Batteries Power Cord, Remote Cord, Remot	emote Controller, Batteries
	STN-L4355F
	070SE (Land Only)
Optional WMIN/50ME WMIN/50ME WMIN/50ME	WMN750ME
	CML400XK
Media Player N/A N/A	N/A

Specifications

	Model		QM50R-B	QM55R-B	QM65R-B
	Diagonal Size	Class	50	55	65
	DIAGONAL SIZE	Measured	49.5	54.6	64.5
	Туре		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)
Panel	Brightness (Typ.)		500	500	500
railet	Contrast Ratio (Typ.		4000:1	4000:1	4000:1
	Viewing Angle (H/V		178/178	178/178	178/178
	Response Time (G to	0 (3)	8ms (Typ.) 16.7M (True Display)	8ms (Typ.) 16.7M (True Display)	8ms (Typ.) 16.7M (True Display)
	Display Colors		1.07B (Ditherd10bit)	1.07B (Ditherd 10bit)	1.07B (Ditherd 10bit)
	Color Gamut		92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE 1976)	92% (DCI-P3, CIE1976)
	Operation Hour		24/7	24/7	24/7
	Haze		28%	25%	25%
	Dynamic C/R		MEGA	MEGA	MEGA
Display	H-Scanning Freque		30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ
	V-Scanning Freque		48~75HZ	48 ~ 75HZ	48~75HZ
Count	Maximum Pixel Free	quency	594MHz	594MHz	594MHz
Sound	Speaker Type	ncn	Built in Speaker (10W+10W)	Built in Speaker (10W + 10W)	Built in Speaker (10W+10W)
		RGB	Display Port1.2 (1)	Display Port1.2 (1)	Display Port 1.2 (1)
	INPUT	VIDEO HDCP	HDMI 2.0 (2) HDCP2.2	HDMI 2.0 (2) HDCP2.2	HDMI 2.0 (2) HDCP2.2
	INPUT	AUDIO	HDCP2.2 Stereo Mini Jack, HDMI/Audio (Common)	HDCP2.2 Stereo Mini Jack, HDMI/Audio (Common)	HDCP2.2 Stereo Mini Jack, HDMI/Audio (Common)
		USB	Stereo Mini Jack, HDMI/Audio (common) USB 2.0 x 2	Stereo Mini Jack, HDMI/Audio (common) USB 2.0 x 2	USB 2.0 x 2
		RGB	N/A	N/A	N/A
Connectivity		VIDEO	N/A	N/A	N/A
,	OUTPUT	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 CONTRO		RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45	RS232C (in/out) thru stereo jack, RJ45
	EXTERNAL SENSOR	2	IR	IR	IR
	Tuner		N/A	N/A	N/A
	Туре		Internal	Internal	Internal
	Power Supply		AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz	AC100 - 240 V, 50/60 Hz
		Max [W/h]	170.5	143	181.5
Power		Typical [W/h]	117	108	131
	Power Consump-	Rating [W/h]	155	130	165
	tion	BTU (Max)	581.4	487.6	618.9
		Sleep mode	0.5	0.5	0.5
		Off mode	N/A	N/A	N/A 1453.9 x 831.0 x 46.3
	Dimension (mm)	Set	1121.4 x 643.9 x 46.3 1269 x 784 x 152	1235.1 x 707.9 x 46.3 1402 x 858 x 163	1455.9 X 851.0 X 46.5 1611 x 973 x 185
		Package Set	13.4	18.1	24.9
	Weight (kg)	Package	17.6	23.6	33.3
Mechanical Spec	VESA Mount	raciage	200 x 200	200 x 200	400 x 400
	Protection Glass		N/A	N/A	N/A
	Stand Type Bezel Width (Top/Side/Bot) (mm)		Foot Stand (Optional)	Foot Stand (Optional)	No
			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 Tempera	ture	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
Орегация	Humidity		10 ~ 80%	10~80%	10 ~ 80%
	Key		UHD Signage Display Slim & Light Signage with	UHD Signage Display Slim & Light Signage with	UHD Signage Display Slim & Light Signage with
	,		Built-in MagicInfo S6, SSSP 6.0	Built-in MagicInfo S6, SSSP 6.0	Built-in MagicInfo S6, SSSP 6.0
	Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
			Temperature Sensor,Pivot Display, Clock Battery(168hrs Clock Keeping),	Temperature Sensor,Pivot Display,	Temperature Sensor, Pivot Display,
	Special	H/W	Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	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,	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial	Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial
		D	Plug&Play (Initial Setting)	Setting)	Setting)
		Processor	Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB	Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB	Cortex A721.7GHz Quad-Core CPU L1 Instruction Cache : 48KB
Frank		On-Chip Cache Memory	L1 Data Cache : 32KB	L1 Data Cache : 32KB	L1 Data Cache : 32KB
Feature			L2 Cache : 2MB	L2 Cache : 2MB	L2 Cache : 2MB
		Clock Speed Main Memory	1.7GHz 2.5GB	1.7GHz 2.5GB	1.7GHz 2.5GB
		Interface	LPDDR41.5GHz 64bit	LPDDR41.5GHz 64bit	LPDDR41.5GHz 64bit
	Internal Player	Graphics	Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160	Graphic resolution : 1920 x 1080 Output resolution : 3840 x 2160	Graphic resolution : 1920 x1080 Output resolution : 3840 x2160
	(Embedded H/W)	Siapino	(Scale up from graphic processing result.)	(Scale up from graphic processing result.)	(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)
			*Video Decoder: MPEG-1/2/4, H.263, H.264/AVC,	*Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/	*Video Decoder : MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/
		Multimedia	UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG	AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG	AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder: AC3 (DD), MPEG
				USB 2.0	USB 2.0
		IO Ports	USB 2.0		
		IO Ports Operating System	USB 2.0 Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
	Safety			Tizen 4.0 (VDLinux) 60950-1	Tizen 4.0 (VDLinux) 60950-1
	Safety EMC		Tizen 4.0 (VDLinux)		
Certification			Tizen 4.0 (VDLinux) 60950-1	60950-1	60950-1
Certification	EMC		Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise)	60950-1 Class B ENERGY STAR 8.0, Epeat 8021 x (WPA2 Enterprise)	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise)
Certification	EMC Environment Security		Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPAZ Enterprise) : EAP-TLS, EAP-PTLS, EAP-PEAP	60950-1 Class B ENERGY STAR 8.0, Epeat 8021 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPAZ Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP
Certification	EMC Environment	Operating System	Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	60950-1 Class B ENERGY STAR 8.0, Epeat 80.21 x (WPA2 Enterprise) : EAP-PLS, EAP-TILS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise)
	EMC Environment Security		Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries STN-L4355F	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries STN-L4355F	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries
Certification	EMC Environment Security Included	Operating System	Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	60950-1 Class B ENERGY STAR 8.0, Epeat 80.21 x (WPA2 Enterprise) : EAP-PLS, EAP-TILS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card,
	EMC Environment Security	Operating System Stand	Tizen 4.0 (VDLinux) 60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries STN-L4355F WMM40705E (Land Only)	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPAZ Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries STN-L4355F WMM40705E (Land Only)	60950-1 Class B ENERGY STAR 8.0, Epeat 802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TLS, EAP-PEAP Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries - WMN4277SE (Land Only)

Specifications

	Model		QM75R-B	QM85R-B	QM98T-B
	Diagonal Size	Class	75	85	98
		Measured	74.5	84.5	97.5
	Туре		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) 1650.24 (H) x 928.26 (V)	0.4875 (H) x 0.4875 (V) 1872.0 (H) x1053.01 (V)	0.562 (H) x 0.562 (V) 2158.848 (H) x 1214.352 (V)
	Active Display Area Brightness (Typ.)		105U.24 (H) x 920.26 (V) 500	18/2.0 (F) X 1033.01 (V)	2130.040 (n) x 1214.332 (v) 500
Panel	Contrast Ratio (Typ.)	1	4000:1	4000:1	1200:1
	Viewing Angle (H/\		178/178	178/178	178/178
	Response Time (G to		8ms (Typ.)	8ms (Typ.)	8ms (Typ.)
		.0 0)	16.7M (True Display)	16.7M (True Display)	16.7M (True Display)
	Display Colors		1.07B (Ditherd 10bit)	1.07B (Ditherd 10bit)	1.07B (Ditherd 10bit)
	Color Gamut		92% (DCI-P3, CIE1976)	92% (DCI-P3, CIE1976)	72%
	Operation Hour		24/7	24/7	24/7
	Haze		44%	28%	25%
	Dynamic C/R		MEGA	MEGA	Mega
Display	H-Scanning Freque		30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ
' '	V-Scanning Freque	•	48 ~ 75HZ	48 ~ 75HZ	48~75HZ
	Maximum Pixel Fre	quency	594MHz	594MHz	594MHz
Sound	SpeakerType		Built in Speaker (10W+10W)	Built in Speaker (10W + 10W)	Built in Speaker(10W+10W)
		RGB	Display Port1.2 (1)	DVI-D, Display Port1.2 (1)	DVI-D, Display Port1.2 (1)
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
	INPUT	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
C !! !!		RGB	N/A	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)
Connectivity	0.17	VIDEO	N/A	N/A	N/A
	OUTPUT	AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A	N/A
	EVERNING TO SERVICE TO	USB	N/A	N/A	N/A
	EXTERNAL CONTRO		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
	Type		Internal	Internal	Internal
	PowerSupply	Max [W/h]	AC100 - 240 V, 50/60 Hz 231	AC100 - 240 V, 50/60 Hz 308	AC 100 - 240 V, 50/60 Hz 616
		Typical [W/h]	178	217	414
Power		Rating [W/h]	210	280	560
	Power Consump- tion	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		Set	1681.1 x 960.1 x 49.7	1897.8 x 1080.8 x 56.7	2195.8 x1250.8 x 96.5
	Dimension (mm)	Package	1871 x1127 x 223	2090 x1247 x 260	2369 x1405 x 350
		Set	38.3	48.4	83
	Weight (kg)	Package	49	63.7	106
Spec	VESA Mount	, and the second	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
0	Operating Temperature		0°C ~ 40°C	0°C ~ 40°C	0°C~40°C
Operation	Humidity		10 ~ 80%	10 ~ 80%	10~80%
	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
			Temperature Sensor, Pivot Display,	Temperature Sensor, Pivot Display,	Temperature Sensor, Pivot Display,
	Special	H/W	Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), IP5x Rating, Wi-Fi	Clock Battery (168hrs Clock Keeping), Built in Speaker (10W 2ch), Video Wall Daisy Chain (HDCP2.2:4EA,HDCP1.4:7EA), IP5x Rating, Wi-Fi	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 UJ, Button Lock, Hot key option, Plug&Play (Initial Setting)
		Processor	Cortex A721.7GHz Quad-Core CPU	Cortex A721.7GHz Quad-Core CPU	Cortex A721.7GHz Quad-Core CPU
		On-Chip Cache Memory	L1 Instruction Cache : 48KB L1 Data Cache : 32KB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB	L1 Instruction Cache : 48KB L1 Data Cache : 32KB
Feature			L2 Cache : 2MB	L2 Cache : 2MB	L2 Cache : 2MB
		Clock Speed Main Memory	1.7GHz 2.5GB	1.7GHz 2.5GB	1.7GHz 2.5GB
		Interface	LPDDR41.5GHz 64bit	LPDDR41.5GHz 64bit	LPDDR41.5GHz 64bit
	Internal Player (Embedded H/W)	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 : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)
		Storage (FDM)	(Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Available)	(Scale up from graphic processing result.) 8GB (3.88GB Occupied by O/S, 4.12GB Available)	(Scale up from graphic processing result.) 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)
	Safety		60950-1	60950-1	60950-1
	EMC		Class B	Class A	Class A
Certification	Environment		ENERGY STAR 8.0, Epeat	N/A	N/A
	Security		802.1x (WPA2 Enterprise)	802.1 x (WPA2 Enterprise) ('20.1~)	802.1x(WPA2 Enterprise)
			: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card,	: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card,	: EAP-TLS, EAP-TTLS, EAP-PEAP Quick Setup Guide, Warranty Card,
	Included		Power Cord, Remote Controller, Batteries	Power Cord, Remote Controller, Batteries	Power Cord, Remote Controller, Batteries
		Stand	-	-	-
Accessories	Optional	Mount	WMN4277SE (Land Only) WMN6575SE	WMN8200SF/WMN8200SG	WMN8200SG (Land Only)
	Орабина	Specialty	CLM450K	-	-
		Media Player	N/A	N/A	N/A

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