

Samsung SMART Signage

QET series

Upgrade your business with efficient digital displays

Samsung's QET series features intelligent upscaling technology to ensure all content displayed is in eye-catching UHD resolution. Its powerful Crystal Display and boundless design provide an enthralling viewing experience in any business environment. QET displays are economical and efficient, integrating with Samsung's MagicINFO Lite to provide users with a simple content management solution.

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 innovative UHD upscaling
- Crystal Display allows viewers to enjoy a wider spectrum of colors
- Boundless design blends into any environment allowing viewers to focus on content, not hardware
- Easily manage display content with MagicINFO Lite solution included
- Efficient and economical display providing ultimate value

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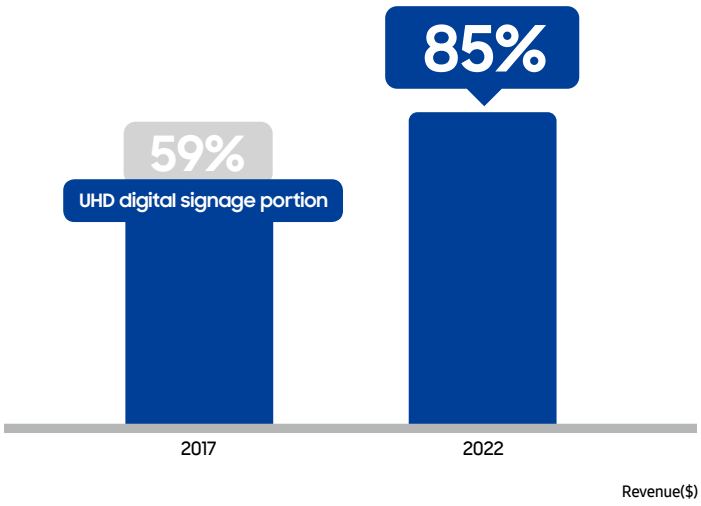
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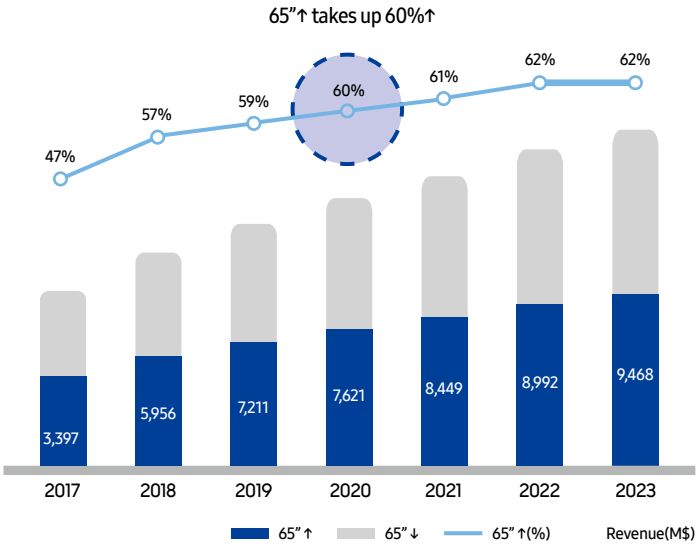
Consumers demand bigger screens, better picture quality

As visual display technology continues to advance, consumers have raised expectations around the quality of the content they see. It's never been more important for businesses to provide excellent picture quality, no matter the communication channel. To create a more impactful and distinct customer experience for today's consumers, many businesses are looking to deliver content on a grander scale, pushing demand for displays larger than 65-inches higher than it's ever been.

Ultra-high definition is the new normal *



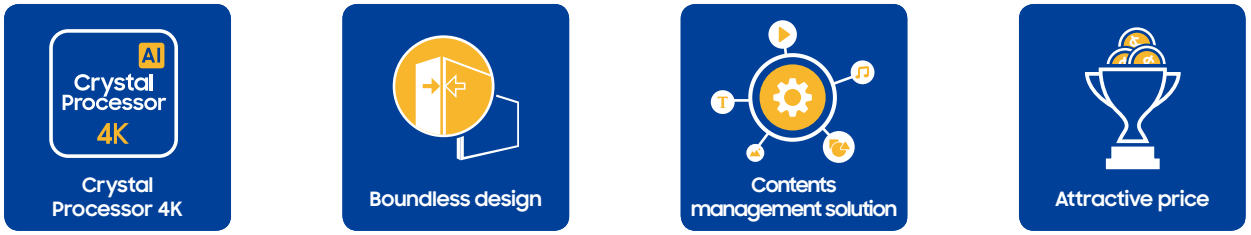
Demand for bigger screens is on the rise **



*,** Source : Omdia, Public Displays Market Tracker Q4 2019, January 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.

New QET series meets today's demand

Samsung's superior visual display technology has positioned them as the industry leader in digital signage for a decade*. Samsung has also been the global leader in TV sales for 14 consecutive years according to IHS Markit**. Samsung's new QET series is a result of Samsung's advanced technology expertise and best-in-class picture quality. QET displays are able to upscale low-resolution content to UHD-level 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. The signage also provides rich and flawless colors, effortless minimalistic style from every angle and a boundless design for delivering an immersive viewing experience. Content can be controlled remotely with Samsung's simple management system, MagicINFO Lite. With industry-leading features and specifications, QET displays are economical and efficient, providing ultimate value to business.



* Results based on IHS Technology 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.
** Results based on Omdia, Jan-2020. 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



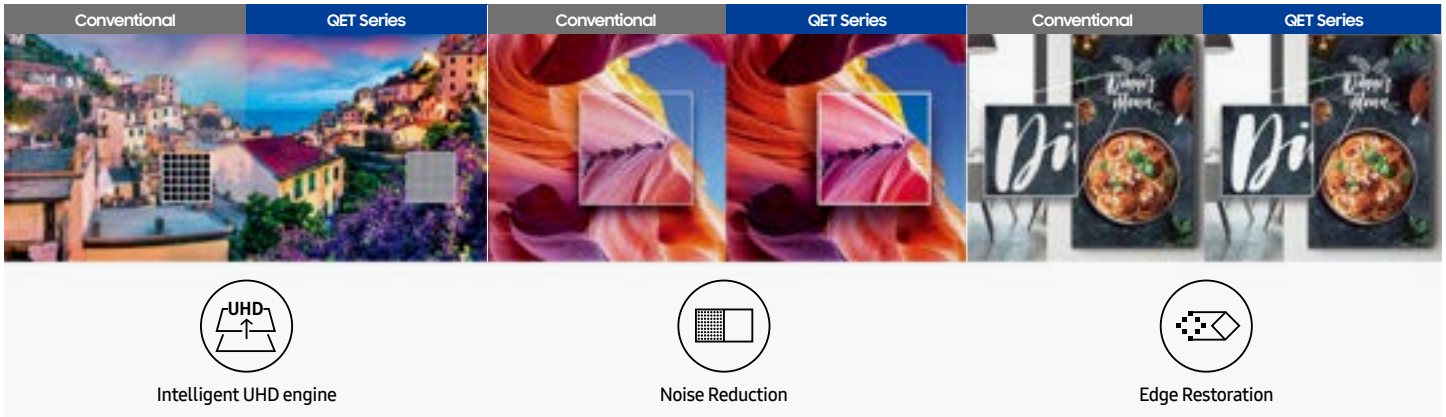
Incredible UHD picture quality

Samsung's new QET 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.



Crystal Display

Samsung's QET series features a Crystal Display which optimizes color tones without distortion, ensuring each backlight unit is fine-tuned to match each color filter and create a clear native white.



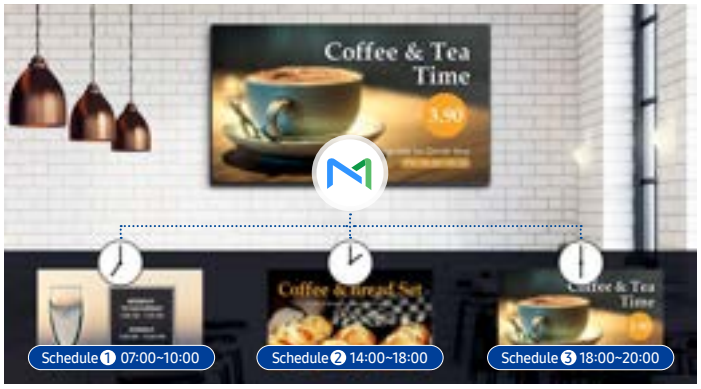
Crystal Processor 4K

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 Crystal Processor 4K 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 fi ne detail.



Boundless design for an immersive experience

The boundless design of the display is optimized to allow the viewer to be completely immersed by content. With a three-sided bezel-less design that eliminates unnecessary and unused space, the display seamlessly integrates into any business environment.



Integrated contents management solution

With a range of on-demand and prescheduled images and videos included in the integrated MagicINFO Lite Player, content management is easier than ever before. Users can also load new content directly from their personal computer through the display's built-in port or simply transfer files with a USB drive.

Specifications

Model			QE43T	QE50T	QE55T	QE65T	QE75T	QE85T
Panel	Diagonal Size	Class	43"	50"	55"	65"	75"	85"
		Measured	42.5"	49.5"	54.6"	64.5"	74.5"	84.5"
	Type		Direct LED BLU	Direct LED BLU	Direct LED BLU	Direct LED BLU	Direct LED BLU	Direct LED BLU
	Resolution		UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)	UHD (3840 x 2160)
	Pixel Pitch (mm)		0.2451 x 0.2451	0.285375 x 0.285375	0.315 x 0.315	0.372 x 0.372	0.4296 x 0.4296	0.4875 x 0.4875
	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)	1872(H) x 1053(V)
	Brightness(Typ.)		300	300	300	300	300	300
	Contrast Ratio (Typ.)		4000:1	4000:1	4000:1	1200:1	1200:1	4000:1
	Viewing Angle(H/V)		178/178	178/178	178/178	178/178	178/178	178/178
	Response Time (G to G)		8ms(Typ.)	8ms(Typ.)	6.5ms(Typ.)	8ms(Typ.)	8ms(Typ.)	8ms (Typ.)
	Display Colors		16.7M(True Display)	16.7M(True Display)	16.7M(True Display)	16.7M(True Display)	16.7M(True Display)	16.7M(True Display)
	Color Gamut		(NTSC) 72%	(NTSC) 72%	(NTSC) 72%	(NTSC) 72%	(NTSC) 72%	(NTSC) 72%
	Operation Hour		16/7	16/7	16/7	16/7	16/7	16/7
	Haze		2%	2%	2%	2%	2%	2%
Display	Dynamic C/R		MEGA	MEGA	MEGA	MEGA	MEGA	MEGA
	H-Scanning Frequency		30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ	30 ~ 81kHZ
	V-Scanning Frequency		48 ~ 75HZ	48 ~ 75HZ	48 ~ 75HZ	48 ~ 75HZ	48 ~ 75HZ	48 ~ 75HZ
	Maximum Pixel Frequency		594MHz	594MHz	594MHz	594MHz	594MHz	594MHz
Sound	Speaker Type		Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)
Connectivity	INPUT	RGB	-	-	-	-	-	-
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2
		AUDIO	Stereo Mini Jack, HDMI/ Audio(Common)	Stereo Mini Jack, HDMI/ Audio(Common)	Stereo Mini Jack, HDMI/ Audio(Common)	Stereo Mini Jack, HDMI/ Audio(Common)	Stereo Mini Jack, HDMI/ Audio(Common)	Stereo Mini Jack, HDMI/ Audio(Common)
		USB	USB 2.0 x1	USB 2.0 x1	USB 2.0 x1	USB 2.0 x1	USB 2.0 x1	USB 2.0 x1
	OUTPUT	RGB	N/A	N/A	N/A	N/A	N/A	N/A
		VIDEO	N/A	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	Stereo Mini Jack
		Power Out	N/A	N/A	N/A	N/A	N/A	N/A
		USB	N/A	N/A	N/A	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45
	EXTERNAL SENSOR		N/A	N/A	N/A	N/A	N/A	N/A
	Tuner		N/A	N/A	N/A	N/A	N/A	N/A
Power	Type		Internal	Internal	Internal	Internal	Internal	Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 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	AC 100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	121	149	154	204	253	273
		Typical[W/h]	80	95	105	145	171	208
		Rating[W/h]	110	135	140	185	230	248
		BTU(Max)	412.6	508.1	525.1	695.6	862.7	930.9
		Sleep mode	0.5	0.5	0.5	0.5	0.5	0.5
		Off mode	N/A	N/A	N/A	N/A	N/A	N/A
Mechanical Spec	Dimension(mm)	Set	963.9 x 558.9 x 59.6	1116.8 x 644.2 x 59.9	1230.5 x 707.2 x 59.9	1449.4 x 830.3 x 59.9	1673.2 x 958.2 x 59.9	1900.9 x 1086.2 x 26.9
		Package	1081 x 670 x 143	1264 x 780 x 150	1386 x 843 x 158	1606 x 963 x 184	1840 x 1118 x 198	2075 x 1237 x 220
	Weight (kg)	Set	8.4	11.7	14.1	21.2	30.9	41.5
		Package	11.5	16.1	19.3	29.4	41.5	54.3
	VESA Mount		200 X 200	200 X 200	200 X 200	400 X 300	400 X 400	600*400
	Protection Glass		N/A	N/A	N/A	N/A	N/A	N/A
	Stand Type		Foot Stand (Optional)	Foot Stand (Optional)	Foot Stand (Optional)	No	No	No
	Bezel Width (Top/Side/Bot) (mm)		3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less
Operation	Operating Temperature		0℃~ 40℃	0℃~ 40℃	0℃~ 40℃	0℃~ 40℃	0℃~ 40℃	0℃~ 40℃
	Humidity		10~80%	10~80%	10~80%	10~80%	10~80%	10~80%
Feature	Key		UHD Signage with Built-in MagicInfo Lite					
	Orientation		Landscape	Landscape	Landscape	Landscape	Landscape	Landscape
	Special	H/W	Temperature Sensor,Clock Battery(168hrs Clock Keeping), Built in Speaker(10W 2ch), IP5x Rating					
		S/W	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					
		On-Chip Cache Memory	L1 Instruction Cache : 48KB / L1 Data Cache : 32KB / L2 Cache : 2MB					
		Clock Speed	1.7GHz	1.7GHz	1.7GHz	1.7GHz	1.7GHz	1.7GHz
		Main Memory Interface	2.0GB LPDDR4 1.5GHz 64bit	2.0GB LPDDR4 1.5GHz 64bit	2.0GB LPDDR4 1.5GHz 64bit	2.0GB LPDDR4 1.5GHz 64bit	2.0GB LPDDR4 1.5GHz 64bit	2.0GB LPDDR4 1.5GHz 64bit
		Graphics	Graphic resolution : 1920x1080, Output resolution : 3840x2160 (Scale up from graphic processing result.)					
		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+, HEVC, JPEG, PNG, VP8, VP9 *Audio Decoder : AC3 (DD), MPEG					
		IO Ports	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
		Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
Certification	Safety		60950-1	60950-1	60950-1	60950-1	60950-1	60950-1
	EMC		Class B	Class B	Class B	Class B	Class B	Class B
	Environment		N/A	N/A	N/A	N/A	N/A	N/A
	Security		-	-	-	-	-	-
Accessories	Included		Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries					
	Optional	Stand	STN-L4355F	STN-L4355F	STN-L4355F	N/A	N/A	N/A
		Mount	WMN4070SE WMN750ME	WMN4070SE (Land Only) WMN750ME	WMN4070SE (Land Only) WMN750ME	WMN4277SE (Land Only) WMN750ME	WMN4277SE (Land Only)	WMN8200SG (Land Only)
		Specialty	CML400XK	CML400XK	CML400XK	CML450K	CML450K	N/A
		Media Player	N/A	N/A	N/A	N/A	N/A	N/A

About Samsung Electronics Co., Ltd.

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SMART Signage

For more information about Samsung SMART Signage QET Series Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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2020-04

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