

43.0"	QM43N	85.0"	QM85N
75.0"	QM75N	98.0"	QM98N



# The ideal blend of beauty and intelligence.

## QMN Series UHD Commercial Displays

With Intelligent Picture Quality technology, every message looks better on the Samsung QMN Series displays. Samsung's Intelligent Picture Quality converts content to UHD-level quality, so everything displayed on the 4K UHD screens will be breathtaking. Text will be sharp, clear and legible. Graphics will be highly detailed and richly textured. With four times the pixel resolution of 1080p Full HD, all the detail, depth and clarity will be just as the content creator intended. Ideal for any indoor venue, whether in a retail, corporate, hospitality or public setting, the QMN Series is designed to be impactful.



### Key Features



#### UHD for Stunning, Ultra-Realistic Detail

With 3840 x 2160 UHD resolution, each QMN Series display showcases content with four times more detail and clarity than FHD.



#### Intelligent Picture Quality Technology

Intelligent Picture Quality technology boosts content from any source to UHD-level quality, and optimizes on-screen text and imagery with crisp edges and fine detail.



#### Bright, Brilliant, Glare-Free Picture Quality

QMN Series displays ensure readability in any environment through a rigid, 500-nit, non-glare front panel. The enhanced design reduces reflection and ensures messages have maximum impact.



#### All-in-One Signage Solution

The embedded MagicInfo Player S6, backed by the powerful Tizen operating system, boosts the display's performance, allows for easy content management and ensures seamless content transition and playback. All without the need for an external signage player or PC.



#### Reliable 24/7 Operation

Commercial-level cooling technologies, plus IP5X dust-resistance on 43" and 75" models, offer 24/7 performance with dependability.



#### CISCO Compatible Display For Smarter Meetings

QMN Series displays can be seamlessly integrated with the Cisco Room Kit Series through Consumer Electronics Control (CEC) technology. The compatibility of Samsung displays and Cisco solutions creates smart rooms for smart meetings with crisp images and clear connections. Through the integration between Samsung and Cisco technologies, the solutions provide an impeccable video and audio experience in any video conference.



#### Built-in Wi-Fi and Bluetooth

In addition to HDMI 2.0, DVI and DisplayPort 1.2 connectivity, the QMN series also features built-in Wi-Fi and Bluetooth.



#### Empower Secure and Remote Collaboration

With the remote workspace connection, users are able to access content from a remote laptop or PC, enabling greater collaboration.

# Samsung QMN Series UHD Commercial Displays



			QM43N	QM75N	QM85N	QM98N
Panel	Diagonal Size	Class Measured	43"	75"	85"	98"
	Type		Edge-Lit LED 60 Hz	74.5"	84.5"	97.5"
Display	Resolution		UHD (3840 x 2160)	UHD (3840 x 2160)	UHD 3840 x 160	UHD 3840 x 2160
	Pixel Pitch (mm)		0.2451 x 0.2451	0.42975 x 0.42975	0.4875 x 0.4875	0.187 x 0.562
	Active Display Area (H / V) (mm)		941.184 (H) x 529.416 (V)	1650.24 (H) x 928.26 (V)	1872.0 (H) x 1053.0 (V)	2158.848 (H) x 1214.352 (V)
	Brightness (Typ.)		500 nits	500 nits	500 nits	500 nits
	Contrast Ratio (Typ.)		4000:1	6000:1	3000:1	4000:1
	Viewing Angle (H / V)		178 / 178	178 / 178	178 / 178	178 / 178
	Response Time (G-to-G)		8ms	8ms	8ms	6ms
	Operation Hours		24/7	24/7	24/7	24/7
	Panel Orientation		Landscape / Portrait	Landscape / Portrait	Landscape / Portrait	Landscape / Portrait
	Anti-Glare Panel		44%	44%	44%	25%
Display	Dynamic Contrast Ratio		Mega	Mega	Mega	Mega
	H-Scanning Frequency / V-Scanning Frequency		30 ~ 81 kHz / 48 ~ 75 Hz	30 ~ 81 kHz / 48 ~ 75 Hz	30 ~ 81 kHz / 48 ~ 75 Hz	30 ~ 81 kHz / 48 ~ 75 Hz
Sound	Speaker Type		Built-in Speaker (10W + 10W)	Built-in Speaker (10W + 10W)	Built-in Speaker (15W + 15W)	Built-in Speaker (10W + 10W)
	IP Rating		IP5X	IP5X	N/A	N/A
Connectivity	Input	RGB Video	DVI-D, DisplayPort 1.2 (1)	DVI-D, DisplayPort 1.2 (1)	DVI-D, DisplayPort 1.2 (1)	DVI-D, DisplayPort 1.2 (1)
		HDCP	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
Connectivity	Output	Audio	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2
		USB	Stereo Mini Jack, DVI, HDMI	Stereo Mini Jack, DVI, HDMI	Stereo Mini Jack, DVI, HDMI	Stereo Mini Jack, DVI, HDMI
Connectivity	External Control	RGB	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2	USB 2.0 x 2
		Audio	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)	HDMI 2.0 (Loop-out)
Power	Power Supply	External Sensor	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
		Wi-Fi / Bluetooth	RS232C (In/Out) Thru Stereo Jack, RJ45	RS232C (In/Out) Thru Stereo Jack, RJ45	RS232C (In/Out) Thru Stereo Jack, RJ45	RS232C (In/Out) Thru Stereo Jack, RJ45
Power	Consumption	Tuner	Center IR	Center IR	IR	IR
		Max / Typical / Rating	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
Mechanical Specs	Dimensions	Internal	N/A	N/A	N/A	N/A
		Set (W x H x D)	AC 100 - 240 V (+/- 10 %), 50/60 Hz	AC 100 - 240 V (+/- 10 %), 50/60 Hz	AC 100 - 240 V (+/- 10 %), 50/60 Hz	AC 100 - 240 V (+/- 10 %), 50/60 Hz
Mechanical Specs	Weight	Set (W x H x D)	121 / 76 / 110 W	220 / 159 / 200 W	495 / 362 / 450 W	528 / 372 / 480 W
		Package (W x H x D)	.05 W	.05 W	.05 W	.05 W
Environmental Conditions	Operating Temperature	Set (W x H x D)	38.2" x 22.2" x 2.3"	66.3" x 38.1" x 2.4"	74.93" x 42.93" x 18.58"	86.39" x 49.21" x 2.82" (w/o handle)
		Package (W x H x D)	43.2" x 26.7" x 5.9"	73.7" x 44.5" x 9.2"	80.7" x 49.8" x 18.6"	86.39" x 49.21" x 2.96" (w/ handle)
Environmental Conditions	Operating Humidity	Weight	21.82 lbs.	83.8 lbs.	111.77 lbs.	167.98 lbs.
		Set Package	30.2 lbs.	111.3 lbs.	147.49 lbs.	529.37 lbs.
Features	Key	Stand Type	200 x 200	400 x 400	600 x 400	900 x 600
		Bezel Width (mm)	Foot Stand (Optional)	No	Foot Stand (Optional)	Foot Stand (Optional)
Features	Special	Operating Temperature	15.5 (Top, Side), 11.7 (Bottom)	16.2 (Top, Side), 19.3 (Bottom)	15.2 (Top, Side), 19.3 (Bottom)	15.2 (Top, Side), 19.3 (Bottom)
		Operating Humidity	0° C - 40° C / 32° F - 104° F	0° C - 40° C / 32° F - 104° F	0° C - 40° C / 32° F - 104° F	0° C - 40° C / 32° F - 104° F
Features	Internal Player (Embedded H/W)	Operating Humidity	10 ~ 80%	10 ~ 80%	10 ~ 80%	10 ~ 80%
		Key	UHD Signage Display, Slim and Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display, Slim and Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display, Slim and Light Signage with Built-in MagicInfo S6, SSSP 6.0	UHD Signage Display, Slim and Light Signage with Built-in MagicInfo S6, SSSP 6.0
Features	Special	H/W	Temperature Sensor, Pivot Display, Clock Battery (168 Hrs. Clock Keeping), Built-in Speaker (10W 2ch), Video Wall Daisy Chain (HDCP 2.2:4 EA, HDCP 1.4:7 EA), IP5X, Wi-Fi / Bluetooth	Temperature Sensor, Pivot Display, Clock Battery (168 Hrs. Clock Keeping), Built-in Speaker (10W 2ch), Video Wall Daisy Chain (HDCP 2.2:4 EA, HDCP 1.4:7 EA), IP5X, Wi-Fi / Bluetooth	Temperature Sensor, Pivot Display, Clock Battery (168 Hrs. Clock Keeping), Built-in Speaker (10W 2ch), Video Wall Daisy Chain (HDCP 2.2:4 EA, HDCP 1.4:7 EA), IP5X, Wi-Fi / Bluetooth	Temperature Sensor, Pivot Display, Clock Battery (168 Hrs. Clock Keeping), Built-in Speaker (10W 2ch), Video Wall Daisy Chain (HDCP 2.2:4 EA, HDCP 1.4:7 EA), IP5X, Wi-Fi / Bluetooth
		S/W	Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug & Play (Initial Setting)	Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug & Play (Initial Setting)	Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug & Play (Initial Setting)	Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug & Play (Initial Setting)
Features	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	Cortex A72 1.7GHz Quad-Core CPU
		On-Chip Cache	L1 Instruction Cache: 48KB	L1 Instruction Cache: 48KB	L1 Instruction Cache: 48KB	L1 Instruction Cache: 48KB
Features	Internal Player (Embedded H/W)	Memory	L1 Data Cache: 32KB	L1 Data Cache: 32KB	L1 Data Cache: 32KB	L1 Data Cache: 32KB
		Cache	L2 Cache: 2MB	L2 Cache: 2MB	L2 Cache: 2MB	L2 Cache: 2MB
Features	Internal Player (Embedded H/W)	Clock Speed	1.7GHz	1.7GHz	1.7GHz	1.7GHz
		Main Memory	2.5GB	2.5GB	2.5GB	2.5GB
Features	Internal Player (Embedded H/W)	Interface	LPDDR4 1.5GHz 64 bit	LPDDR4 1.5GHz 64 bit	LPDDR4 1.5GHz 64 bit	LPDDR4 1.5GHz 64 bit
		Graphics	Graphic Resolution: 1920 x 1080	Graphic Resolution: 1920 x 1080	Graphic Resolution: 1920 x 1080	Graphic Resolution: 1920 x 1080
Features	Internal Player (Embedded H/W)	Storage (FDM)	Output Resolution: 3840 x 2160 (Scale Up From Graphic Processing Result)	Output Resolution: 3840 x 2160 (Scale Up From Graphic Processing Result)	Output Resolution: 3840 x 2160 (Scale Up From Graphic Processing Result)	Output Resolution: 3840 x 2160 (Scale Up From Graphic Processing Result)
		Multimedia	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)	8GB (3.88GB Occupied by O/S, 4.12GB Available)
Accessories	Included	Video Decoder	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)	8GB (3.88GB Occupied by O/S, 4.12GB Available)
		IO Ports	Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9	Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9
Accessories	Optional	Operating System	USB 2.0	USB 2.0	USB 2.0	USB 2.0
		Mount	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
Certification	Safety	Operating System	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	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries
		Environment	WMN40705E	WMN65755E	WMN82005D	WMN95005D
Service	Standard Warranty	Environment	60950-1	60950-1	60950-1	60950-1
		Energy Star	Class A	Class A	Class A	Class A
Service	Standard Warranty	Energy Star	Energy Star 7.0	Energy Star 7.0	N/A	N/A
		Standard Warranty	3 Years Onsite (Parts / Labor / Backlight)	3 Years Onsite (Parts / Labor / Backlight)	3 Years Onsite (Parts / Labor / Backlight)	3 Years Onsite (Parts / Labor / Backlight)

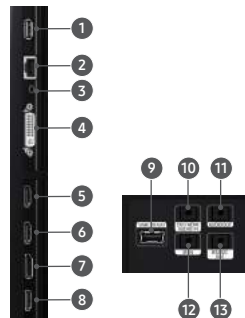
## Connectivity

1. USB 1
2. RJ45
3. RS232C In
4. DVI / MagicInfo In
5. HDMI In 1 (ARC)
6. HDMI In 2 (Daisy Chain In)
7. DP In (Daisy Chain In)
8. HDMI Out (Daisy Chain Out)
9. USB 2
10. DVI / HDMI / Audio In
11. Audio Out
12. IR In
13. RS232C Out

Front: QMN43 / QMN75



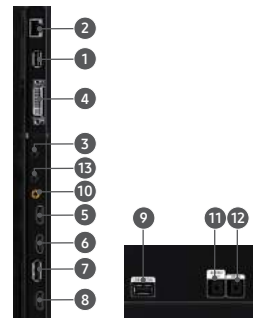
Back: QMN43 / QMN75



Front: QMN85 / QMN98



Back: QMN85 / QMN98



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