Specifications

Model			VH55C-R	VM55C-R	VH55C-E	VM55C-E	VM46B-U	VM55B-U
Display Panel	Diagonal Size	Class	55	55	55	55	46	55
		Measured	54.6"/138.7cm	54.6"/138.7cm	54.6"/138.7cm	54.6"/138.7cm	45.9"/116.8cm	54.6"/138.7cm
	Resolution		1,920 x 1,080 (16:9)	1,920 x 1,080 (16:9)	1,920 x 1,080 (16:9)	1,920 x 1,080 (16:9)	1,920 x 1,080 (16:9)	1,920 x 1,080 (16:9)
	Brightness(Typ.)		700nit	500nit	700nit	500nit	500nit	500nit
	Orientation		Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait	Landscape/Portrait
	Haze		28%	28%	28%	28%	25%	25%
	Contrast Ratio (Typ.)		1,100:1	1,100:1	1,000:1	1,000:1	1,200:1	1,200:1
	Dynamic C/R		140,000:1	100,000:1	140,000:1	100,000:1	45,000:1	45,000:1
	Type		IPS	IPS	IPS	IPS	IPS	IPS
	Active Display Area		1,209.6 (H) x 680.3 (V)	1,209.6 (H) x 680.3 (V)	1,209.6 (H) x 680.4 (V)	1,209.6 (H) x 680.4 (V)	1,018.08 (H) x 572.6 (V)	1,209.6 (H) x 680.4 (V)
	Pixel Pitch (mm)		0.63 x 0.63	0.63 x 0.63	0.63 x 0.63	0.63 x 0.63	0.53 x 0.53	0.63 x 0.63
	Color Gamut		72	72	72	72	72	72
	Operation Hour		24/7	24/7	24/7	24/7	24/7	24/7
Connectivity / Sound	INPUT	VIDEO	HDMI 2.0 (2)/DVI-D, Display Port 1.2	HDMI 2.0 (2)/DVI-D, Display Port 1.2	HDMI 2.0 (2)/DVI-D, Display Port 1.2	HDMI 2.0 (2) DVI-D, Display Port 1.2	HDMI 2.0 (2)/DVI-D, Display Port 1.2	HDMI 2.0 (2)/DVI-D, Display Port 1.2
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade
		Tuner	N/A	N/A	N/A	N/A	N/A	N/A
	OUTPUT	VIDEO	DP1.2 (Loop-out)	DP1.2 (Loop-out)	DP1.2 (Loop-out)	DP1.2 (Loop-out)	DP1.2 (Loop-out)	DP1.2 (Loop-out)
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	N/A	N/A	N/A	N/A	N/A	N/A
	WiFi / BT		N/A	N/A	N/A	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C (in/out), RJ45 in	RS232C (in/out), RJ45 in	RS232C (in/out), RJ45 in	RS232C (in/out), RJ45 in	RS232C (in/out), RJ45 in	RS232C (in/out), RJ45 in
	Speaker		N/A	N/A	N/A	N/A	N/A	N/A
Mechanical Spec	Dimension (mm)	Set	1,211.0 x 681.7 x 69.9	1,211.0 x 681.7 x 69.9	1,212.2 x 683 x 70.4	1,212.2 x 683 x 70.4	1,022 x 577 x 69.9	1,213.5 x 684.3 x 73.1
		Package	1,414 x 844 x 257	1,414 x 844 x 257	1,398 x 844 x 257	1,398 x 844 x 257	1,193 x 719 x 257	1,398 x 844 x 257
	Weight (kg)	Set	16.8	16.8	19.5	19.5	15.7	21.2
		Package	25.1	25.1	28.6	28.6	22.2	28.8
	VESA Mount		600 x 400	600 x 400	600 x 400	600 x 400	600 x 400	600 x 400
	VESA Mount Screw (Min~Max)		M8, 8~15	M8, 8~15	M8, 8~15	M8, 8~15	M8, 8~15	M8, 8~15
	Bezel Width (mm)		0.44mm(even)	0.44mm(even)	B2B : 1.74mm (Panel Bezel to Panel Bezel), 1.3mm (U/L), 0.44mm(R/B) A2A : 2.49mm (Active area to Active area), 1.75mm (U/L), 0.74mm (R/B)		2.25mm (U/L), 1.25mm (R/B)	2.25mm (U/L), 1.25mm (R/B)
Design	Bezel Color		Black	Black	Black	Black	Black	Black
Features	Internal Player	Operating System	N/A	N/A	N/A	N/A	N/A	N/A
		Processor	N/A	N/A	N/A	N/A	N/A	N/A
		Storage (FDM)	N/A	N/A	N/A	N/A	N/A	N/A
	Special	H/W	Temperature Sensor Video Wall Daisy Chain (10 x 10) DP1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support) Clock Battery (168hrs Clock Keeping)					
		S/W	Auto Source Switching & Recovery RS232C/RJ45 MDC Button Lock Smart F/W update					
Certification	Safety		60950-1	60950-1	60950-1	60950-1	60950-1	60950-1
	EMC		Class B	Class B	Class B	Class B	Class A	Class A
	Environment		N/A	N/A	N/A	N/A	N/A	N/A
	IP Rating		IP5x	IP5x	IP5x	IP5x	IP5x	IP5x
	Security		N/A	N/A	N/A	N/A	N/A	N/A
Power	Power Supply		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	AC 100 - 240 V, 50/60 Hz
	Power Consumption	Max [W/h]	250	270	250	220	160	220
		Typical [W/h]	155	161	145	113	128	165
		Sleep mode	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W	less than 0.5W
Operating Condition	Temperature		0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
	Relative Humidity		10~80%	10~80%	10~80%	10~80%	10~80%	10~80%
Accessories	Included		Quick Setup Guide Warranty Card Power Cord RS232C (IN) Gender (Stereo to DB-9) Remote Controller + Batteries DP cable					
	Optional	Stand	N/A	N/A	N/A	N/A	N/A	N/A
		Mount	WMN-55VD	WMN-55VD	WMN-55VD	WMN-55VD	WMN-46VD	WMN-55VD
		Specialty	N/A	N/A	N/A	N/A	N/A	N/A

* "Active area to Active area" may vary depending on the model and actual installation environment.

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

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Video Wall

VHC-R, VMC-R, VHC-E, VMC-E, VMB-U series

An immersive viewing experience for any business

Samsung's video wall displays (VHC-R, VMC-R, VHC-E, VMC-E, VMB-U) provide a captivating viewing experience for a wide variety of business settings. Each display series offers exceptionally slim depth, continuous operation capabilities and IP5X certification provide endless possibilities for retail stores, office spaces, public spaces and more. Equipped with wide viewing angles and anti-glare panels, and built to operate all day, Samsung's video walls ensure businesses have an effective and clear communication channel, even after traditional business hours.

Key features

Narrow bezel

A narrow bezel-to-bezel* design creates a uniform picture across screens. By minimizing the visual distraction of the screens, the displays present a single picture for viewers to focus on.

* Bezel width varies by video wall model.

Slender design

The exceptionally thin 69.9mm* cabinet depth provides businesses with more flexibility to create the exact video wall they need and install it in the most impactful location.

* Exact cabinet depth varies by video wall model.

Viewing Angle

Wide viewing angles mean content is easily visible even if viewers aren't standing directly in front of the display. Audiences can get clear details and vivid colors regardless of the screen's location.

Non-Glare Panel, 24/7 operation

Non-glare panels distribute light across the screen to maintain accurate content. Combined with a high contrast ratio and 24/7 operation, visuals are clear during day or night — regardless of ambient light.

Mobile Calibration

For quick and simple calibration, Color Expert Pro Mobile enables white balance adjustments for displays up to 3x3 using a mobile camera.

Industry standard certified

Samsung's video wall displays are EMC class B compliant*, meeting strict standards of electromagnetic wave emission. its packaging also underwent a rigorous ISTA lab test to minimize possible damage during delivery.

* EMC class and ISTA certification vary by video wall model.