

Specifications

Model		VH55C-R	VM55C-R	VH55C-E	VM55C-E	VM446B-U	VM55B-U	
Display Panel	Diagonal Size	55	55	55	55	46	55	
	Class 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	
		AUDIO	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	
		Tuner	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)	
		AUDIO	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	
	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	19.5	19.5	15.7	21.2	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	
		Processor	N/A	N/A	N/A	N/A	N/A	
	Storage (FDM)	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	
Power	Power Consumption	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	
		Max [W/h]	250	270	250	220	160	220
		Typical [W/h]	155	161	145	113	128	165
Operating Condition	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	
	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						
		Stand	N/A	N/A	N/A	N/A	N/A	
	Optional	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.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

Smart Signage

For more information about Samsung Smart Signage, visit www.samsung.com/business

Copyright © 2023 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

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



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.