

Specifications

Model			VH55C-R	VM55C-R	VH55HX-E	VM55HX-E	VM46B-U	VM55B-U
Display Panel	Diagonal Size	Class	55	55	55	55	55	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%	25%	25%	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	100,000:1	45,000:1	45,000:1	
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	27.1	27.1	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	
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) DP 1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support) Clock Battery (168hrs Clock Keeping) Auto Source Switching & Recovery RS232C/RJ45 MDC Button Lock Smart F/W update					
S/W								
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	Security		N/A	N/A	N/A	N/A	N/A	N/A
	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	222	160	220
		Typical [W/h]	155	161	165	115	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
Accessories	Relative Humidity		10~80%	10~80%	10~80%	10~80%	10~80%	10~80%
	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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Video Wall

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

Reliable displays for impactful communication

Samsung Video Walls are designed to deliver impactful visuals across a range of business environments. Featuring ultra-slim depth, seamless panel alignment, 24/7 operation and IP5X certification, they support continuous content delivery across retail, corporate and public spaces—from large-scale displays to extended formats such as menu boards. Wide viewing angles and anti-glare panels help maintain clear visibility in various lighting conditions, supporting effective communication throughout the day.

Key features



Narrow bezel

A narrow bezel-to-bezel* design creates a uniform picture across multiple screens. By minimizing visual distractions between screens, the displays present a single, cohesive image for viewers to focus on.

* Bezel width varies by Video Wall model.



Slender design

The exceptionally slim 69.9mm* cabinet depth provides businesses with more flexibility to install the Video Wall in the most effective location.

* Exact cabinet depth varies by Video Wall model.



Anti-Glare, 24/7 operation

Anti-Glare technology distributes light evenly across the screen to reduce glare help maintain clear content visibility. Combined with a high contrast ratio and 24/7 operation, visuals remain clear day and night, regardless of ambient light.



Signage Setup Assistant

Signage Setup Assistant enables automatic layout configuration and calibration simply by capturing the installed displays with a mobile device camera. This streamlines the setup process and significantly reduces the time required to deploy Video Walls.

* Supported Model List - Mobile
· Samsung Galaxy: S10/Note10, S20, S21, S22 Series(Except for S21/S22 Basic), S21 Ultra, S22 Ultra, S23, S23 Ultra, S24, S24 Ultra, S25, S25 Ultra *
· Android OS: Supports up to Android 16
* The list of supported mobile devices may vary and is subject to change without notice.