An imperceptible bezel.
An obvious choice.

VHR-R/VMB-R Series Razor Narrow Video Wall

The Samsung VHR-R/VMB-R series video wall features razor-thin bezels of just 0.44mm, for a bezel-to-bezel width of just 0.88mm. That's three one-hundredths of an inch. The result is a seamless video wall with incredible impact, whether in a board room, control room, retail space or anywhere else you want your audience to focus on the image. The VHR-R/VMB-R series delivers a captivating and seamless experience.

Nearly invisible 0.44 mm even bezel
An exceptionally razor-thin 0.44mm even bezel enables content to be displayed as one immersive, seamless image, eliminating distortion.

Bright non-glare picture quality 24/7
An impressive 700-nit (VHR-R)/500-nit (VMB-R) brightness and non-glare panel provides high visibility 24/7, regardless of ambient light.

Image enhancement technology
Samsung's powerful picture enhancement technology ensures all content is vibrant and clear. With Picture Enhancer mode, color saturation and contrast are improved by adjusting the gamma curve. Black Equalizer mode lightens dark images so details are easier to see.

View content from any angle
Wide viewing angles allow viewers to get clear and accurate information, regardless of video wall layout or location.

Modern, slim design
The displays features an ultra-slim depth of less than 2.75". It saves space and creates a clean, modern look for retail or other public spaces.

Accurate, factory-calibrated color
Samsung's multi-step factory calibration process tunes video walls to uniform brightness and color throughout multiple displays.

Easy, cost-saving mobile calibration
Color Expert Pro Mobile lets even non-experts easily calibrate the white balance of a video wall (up to 5 x 5) simultaneously with a mobile camera.

Advanced UHD viewing experience
With daisy chain design utilizing DisplayPort 1.2 and HDMI, the displays can project UHD content across multiple screens up to 5 x 5, without requiring an external graphics card or UHD splitters.

Three-year warranty
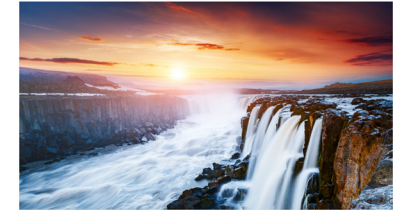A 3-year warranty means extended peace of mind.

Razor Narrow Video Walls

Model			VH55R-R	VM55B-R
Display Panel	Diagonal Size	Class	55"	55
		Measured	54.6" / 138.7cm	54.6" / 138.7cm
		Type	IPS	IPS
	Resolution		1920 x 1080 (16:9)	1920 x 1080 (16:9)
	Pixel Pitch		0.63mm(H) x 0.63mm(V)	1209.6(H) x 680.3(V)
	Brightness (Typ.)		500 nit	500 nit
	Orientation		Landscape / Portrait	Landscape / Portrait
	Haze		28%	28%
	Contrast Ratio (Typ.)		1100:1	1100:1
	Dynamic C/R			500,000:1
	Viewing Angle (H/V)		178/178	178/178
	Pixel Pitch (mm)		1209.6 x 680.4mm	0.63 x 0.63
	Color Gamut		72%	72%
	Operation Hour		24/7	24/7
Connectivity / Sound	Input	RGB	DVI-D, Display Port 1.2	DVI-D, Display Port 1.2
		Video	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2
		Audio	Stereo mini Jack	Stereo mini Jack
		USB	Only F/W upgrade	Only F/W upgrade
		Tuner	N/A	N/A
	Output	Video	DP1.2 (Loop-out)	DP1.2 (Loop-out)
		Audio	Stereo mini Jack	Stereo mini Jack
		USB	N/A	N/A
	WiFi / BT		N/A	N/A
	External Control		RS232C (in/out), RJ45	RS232C (in/out), RJ45 in
	External Sensor		Detachable type (IR)	Detachable type (IR)
	Speaker		N/A	N/A
Mechanical Spec	Dimension (mm/in)	Set	1,211 x 681.7 x 69.9 mm / 47.6 x 26.8 x 2.7 in	1,211 x 681.7 x 69.9 mm / 47.6 x 26.8 x 2.7 in
		Package	1,414 x 844 x 257 mm / 55.6 x 33.2 x 10.1 in	1,414 x 844 x 257 mm / 55.6 x 33.2 x 10.1 in
	Weight (kg/lbs)	Set	16.8 kg /37 lbs	16.8 kg /37 lbs
		Package	25.1 kg / 55.3 lbs	25.1 kg / 55.3 lbs
	VESA Mount		600 x 400	600 x 400
	VESA Mount Screw (Min~Max)		M8, 8~15	M8, 8~15
	Bezel Width (mm)		0.44mm (even)	0.44mm (even)
	Key		Razor Narrow Bezel	Razor Narrow Bezel
	Special	H/W	ACM Support (Advanced Color Management), Temperature Sensor, Video Wall Daisy Chain (10x10), DP1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support, Clock Battery (168 hrs Clock Keeping), Video Wall Daisy Chain (10x10), DP1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support), Clock Battery (168 hrs Clock Keeping)	ACM Support (Advanced Color Management), Temperature Sensor, Video Wall Daisy Chain (10x10), DP1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support, Clock Battery (168 hrs Clock Keeping), Video Wall Daisy Chain (10x10), DP1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support), Clock Battery (168 hrs Clock Keeping)
		S/W	Auto Source Switching & Recovery, RS232C/RJ45 MDC, Button Lock, Smart F/W update	Auto Source Switching & Recovery, RS232C/RJ45 MDC, Button Lock, Smart F/W update
Certification	Safety		60950-1	60950-1
	EMC		Class B	Class A
	Environment		N/A	N/A
	IP Rating		IP5X	IP5x
	Security			N/A
Power	Power Supply		AC 100 – 240 V~, 50/60 Hz	AC 100 – 240 V, 50/60 Hz
	Power Consumption	Max [W/h]	270	270
		Typical [W/h]	153	165
		Sleep mode	less than 0.5W	less than 0.5W
Operating Condition	Temperature		0°C~ 40°C	0°C~ 40°C
	Relative Humidity		10~80%	10~80%
Accessories	Included		Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR	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
		Mount	WMN-55VD	WMN-55VD
		Specialty	N/A	N/A

Connectivity

1. IR Out
2. IR In
3. DVI In
4. HDMI In 1
5. HDMI In 2
6. DP In
7. Audio Out
8. Audio In
9. RS232C Out
10. RS232C In
11. DP Out
12. Service
13. RJ45

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