

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 feature 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
ColorExpert ProMobile 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

			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		178/178	500,000:1
	Viewing Angle (H/V)		1209.6 x 680.4mm	178/178
	Pixel Pitch (mm)		72%	0.63 x 0.63
	Color Gamut		24/7	72%
	Operation Hour		DVI-D, Display Port 1.2	24/7
	Connectivity / Sound	Input	RGB	HDMI 2.0 (2)
AV			HDCP 2.2	HDMI 2.0 (2)
DB9			Stereo mini Jack	HDCP 2.2
Other			N/A	Stereo mini Jack
Audio			Only F/W upgrade	Only F/W upgrade
Other			N/A	N/A
Other			DP1.2 (Loop-out)	N/A
Other			Stereo mini Jack	DP1.2 (Loop-out)
Other			N/A	Stereo mini Jack
Other			N/A	N/A
Output		External Control	N/A	N/A
		Other	N/A	N/A
		Other	RS232C (in/out), RJ45	N/A
		Other	Detachable type (IR)	RS232C (in/out), RJ45 in
		Other	N/A	Detachable type (IR)
Mechanical Spec	Package	Package	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
			16.8 kg / 37 lbs	16.8 kg / 37 lbs
			25.1 kg / 55.3 lbs	25.1 kg / 55.3 lbs
			600 x 400	600 x 400
			M8, 8-15	M8, 8-15
			0.44mm (even)	0.44mm (even)
			Razor Narrow Bezel	Razor Narrow Bezel
			ACM Support (Advanced Color Management), Temperature Sensor, Video Wall Daisy Chain (10x10), DP 1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support, Clock Battery (168 hrs Clock Keeping), Video Wall Daisy Chain	ACM Support (Advanced Color Management), Temperature Sensor, Video Wall Daisy Chain (10x10), DP 1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support, Clock Battery (168 hrs Clock Keeping), Video Wall Daisy Chain
	Special	H/W	(10x10), DP 1.2 Digital Daisy Chain (Supporting UHD Resolution, HDCP support), Clock Battery (168 hrs Clock Keeping)	(10x10), DP 1.2 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		AC 100 – 240 V~, 50/60 Hz	N/A	
Power	Power Supply	270	AC 100 – 240 V, 50/60 Hz	
	Power Consumption	Max [W/h]	153	270
		Typical [W/h]	less than 0.5W	165
Operating Condition	Temperature	0°C~ 40°C	less than 0.5W	
	Relative Humidity	10~80%	0°C~ 40°C	
Accessories	Included	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR	10~80%	
	Optional	N/A	Quick Setup Guide, Warranty Card, Power Cord, RS232C (IN) Gender (stereo to DB-9), Remote Controller + Batteries, DP cable	
		Stand	N/A	
		Mount	WMN-55VD	
		Specialty	N/A	

Connectivity

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



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