

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)	DVI-D, Display Port 1.2
Audio			HDCP 2.2	HDMI 2.0 (2)	
Video			Stereo mini Jack	HDMI 2.0 (2)	
Other			N/A	HDCP 2.2	
Other			Only F/W upgrade	Stereo mini Jack	
Other			N/A	Only F/W upgrade	
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	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	Set	16.8 kg / 37 lbs	16.8 kg / 37 lbs	
		Package	25.1 kg / 55.3 lbs	25.1 kg / 55.3 lbs	
	Dimensions	Depth	600 x 400	600 x 400	
		Height	M8, 8~15	M8, 8~15	
	Special	H/W	Bezel	0.44mm (even)	0.44mm (even)
			Bezel	Razor Narrow Bezel	Razor Narrow Bezel
		S/W	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	
			(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)	
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	Power Consumption	270	AC 100 – 240 V, 50/60 Hz	
		Power Consumption	153	270	
	Temperature	less than 0.5W	165	less than 0.5W	
Operating Condition	Relative Humidity	0°C~ 40°C	10~80%	0°C~ 40°C	
	Included	10~80%	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR	10~80%	
Accessories	Optional	Stand	N/A	WMN-55VD	
		Mount	N/A	WMN-55VD	
	Specialty	N/A	N/A	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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