Impact made easy.

PC-Less Video Wall with Integrated SoC Technology

Display your message with minimum hassle and maximum impact. The Samsung VMR-U video wall switches easily from standalone content to a single cohesive video wall, thanks to the embedded system on chip (SoC). Everything you display will be big and bold and beautiful, with bright, non-glare panels, factory color calibration and virtually seamless bezel-to-bezel widths of just 3.5mm. And there's no end to the beauty, with reliable 24/7 operation. You don't need any extra, expensive hardware to create a greater impression with your customers. You just need the Samsung VMR-U video wall.

Key Features

PC-Less All-in-One Video Wall Solution
Samsung's VMR-U is a powerful and efficient system on chip (SoC)-embedded video wall that can easily go from displaying standalone content to displaying content with all displays operating as one cohesive unit, without the need for additional hardware.

Samsung SMART Signage Platform (SSSP)
With Samsung's comprehensive MagicInfo platform powered by Tizen 4.0, businesses in any environment can conveniently create, schedule and deploy content across their entire digital signage network.

Achieve Brilliant, Glare-Free Picture Quality
Combined with a bright (500 nits) non-glare panel and a small 3.5 mm bezel-to-bezel width, the Samsung VMR-U is designed to help businesses deliver memorable content even under ambient light.

Reliable 24/7 Continuous Long-Term Operation
Each VMR-U display features a reinforced panel for long-term performance. This superior panel prevents screen darkening, light leakage and picture deterioration, while delivering brilliant content 24/7.

Accurate, Factory-Calibrated Color
Factory calibration to precise Samsung specifications ensures uniform brightness and color across multiple displays, for gorgeous, consistent video walls. Users can also manage brightness and color uniformity with Samsung's Color Expert Pro, a powerful and free software program.

Easy and Cost-Saving Mobile Calibration
Samsung's Color Expert Pro Mobile app allows users to easily fine-tune their video walls on the fly. The app enables simple, quick and cost-effective calibration without the need for costly equipment or engineers, even after installation.

Contact Us: samsung.com/b2bdigitalsignage

Samsung VMR-U Series SoC Video Wall Display

			VM46R-U
Panel	Diagonal Size	Class	46"
		Measured	45.9"
	Type		D-LED DID
	Resolution		1920 x 1080
	Pixel Pitch (mm)		0.53025 mm (H) x 0.53025 mm (V)
	Active Display Area		1018.08 mm x 572.67 mm
	Brightness(Typ.)		Max 500 nits
	Contrast Ratio (Typ.)		3500:1
	Viewing Angle(H/V)		178 / 178
	Response Time (G to G)		8ms
	Display Colors		8 Bit - 16.7M
	Color Gamut		72%
	Operation Hour		24/7
	Anti-Glare Panel		Yes
Connectivity	Input	RGB	DisplayPort 1.2
		Video	HDMI 2.0 (2)
		HDCP	HDCP 2.2
		USB	USB 2.0 x 1
	Output	RGB	HDMI (Loop-Out)
		Audio	Stereo Mini Jack
	External Control		RS232C (In/Out), RJ45
	External Sensor		Detachable Type (IR)
Power	Type		Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	Max / Typical [W/h]	143 / 96
		Rating [W/h]	210
		BTU (Max)	488
		Sleep Mode / Off Mode	<0.5W / <0.5W
Mechanical Spec	Dimension (mm / inch)	Set	1022.1 x 576.6 x 97.4 / 40.24" x 22.7" x 3.83"
		Package	1153 x 724 x 295 / 45.39" x 28.5" x 11.61"
	Weight (kg / lb)	Set	15.9 kg / 35.05 lb
		Package	21.7 kg / 47.84 lb
	VESA Mount		600 x 400
	Bezel Width (mm)		2.3mm(U/L), 1.2mm(R/B)
Operation	Operating Temperature / Humidity		0°C~ 40°C / 10~80%
Features	Key		Ultra Narrow Bezel
	Special		ACM Support (Advanced Color Management), Auto Source Switching & Recovery, Haze 25%, Temperature Sensor, RS232C/RJ45 MDC, Plug and Play (DDC2B), Pivot Display, Image Rotation, Button Lock, HDMI Digital Daisy Chain (Supporting UHD Resolution, HDCP Support), Smart F/W Update, Clock Battery (80 Hrs Clock Keeping)
	Internal Player (Embedded Hardware)	Processor	Coretex A72 1.7GHz Quad-Core CPU
		On-Chip Cache Memory	L1 Instruction Cache: 48KB L1 Data Cache: 32KB L2 Cache: 2MB
		Clock Speed	1.7GHz
		Main Memory Interface	2.5GB, LPDDR4 1.5GHz 64 Bit
		Graphics	Graphic Resolution: 1920 x 1080 - Supports OpenGL ES
		Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)
		Multimedia	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder - AC3 (DD), MPEG
		IO Ports	USB 2.0
		Operating System	Tizen 4.0 (VDLinux)
Certification	Safety		UL (USA): UL 60950-1
	EMC		FCC (USA) FCC Part 15, Subpart B Class A
Accessories	Included		Quick Setup Guide, Warranty Card, HDMI Cable, Stereo to DB9 Cable, Power Cord, Remote Controller, Batteries, External IR
	Optional	Mount	WMN-46VD

Connectivity

1. IR Out
2. IR In
3. Audio Out
4. RS232C Out
5. RS232C In
6. USB 2.0
7. RJ45
8. HDMI In 1 (ARC)
9. HDMI In 2 (Daisy Chain In)
10. DP In (Daisy Chain In)
11. HDMI Out (Daisy Chain Out)

Back

Front

ProCare

Samsung ProCare Indoor Display Solutions

- Fast Track with White Glove Next Business Day[1] Service
  - Includes tech-assisted exchange of display: Technician removes original unit, installs replacement and ships non-working unit to Samsung
- Fast Track Next Bustiness Day Exchange
  - Return shipping label provided, customer returns original unit in new unit's box
- Available on sizes 32"-85"
- 3-5 year terms available

Learn More   samsung.com/business   insights.samsung.com   samsung.com/b2bdigitalsignage

Product Support   1-866-SAM4BIZ

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[1]For Next Business Day exchange and installation, calls must be received by 3 p.m. eastern time.