



# Samsung SMART LED Signage

## VMR-O Series

State-of-the-art rental solution for any event

As the popularity of live events continues to grow worldwide, there is an increasing need for a digital signage solution for all types of corporate and entertainment events. Samsung's VMR-O Series is a state-of-the-art rental solution that enhances any outdoor event. Offering easy installation, servicing and disassembly, along with high durability and protection against water, dust and all outdoor elements, it supports a variety of installation types. The VMR-O Series is a reliable and efficient display, delivering truly captivating content in any outdoor environment.

### Highlights

- Brilliant image quality supported by 4500nit high brightness and a 3840Hz high refresh rate, regardless of weather and lighting
- Effortless installation through self-locking capability for simpler and faster setup
- Simple maintenance with full front and rear service, enabling convenient component management
- Full outdoor IP65/65 validated design, protecting against water, dust and all outdoor elements
- Designed for any installation style across a versatile range of environments

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## Industry trend

Outdoor events are growing in popularity, but with increasing competition they are facing more challenges than ever before. Therefore, they require a solution that brings content to life in new ways, while ensuring efficiency and long-lasting performance in any environment. A trusted vendor is critical to this, one that understands the importance of an individual event, while also addressing the need for a variety of outdoor capabilities, including simple disassembly, easy installation to meet tight timelines, and high durability with protection against all outdoor elements.

## Why Samsung VMR-O?

VMR-O Series delivers the latest technology for brilliant image quality and optimum performance at a variety of demanding, live events. Simple, one-man installation through its self-locking capability, enables fast setup. All components are detachable from the power box to module, and are supported by full front and rear service, providing simple and convenient component management. The VMR-O series has full outdoor IP65/65 validated design protected against water and dust, making it the perfect solution for any installation at any outdoor event, across a versatile range of environments.



All Weather  
Conditions



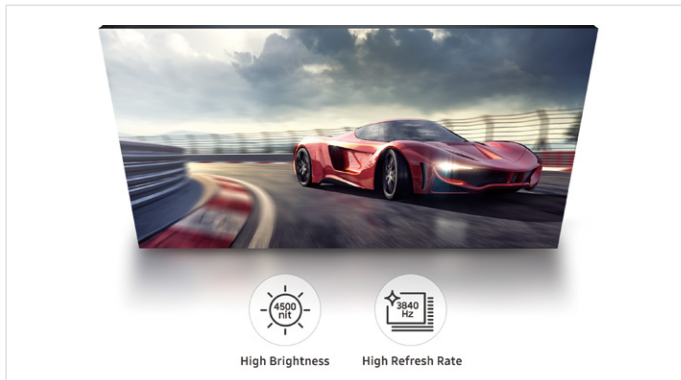
Simple One-man  
Installation



Full Front & Rear  
Service

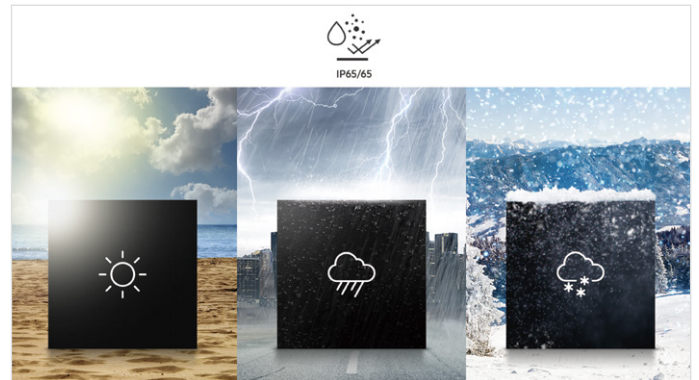


## Key features



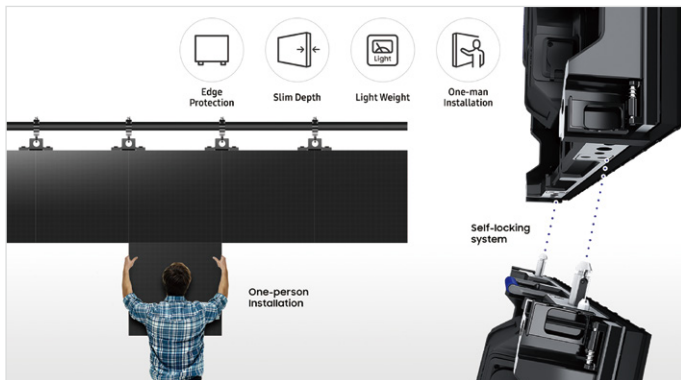
### Brilliant, bright display in any conditions

The VMR-O Series supports 4500nit high brightness and a 3840Hz high refresh rate, delivering brilliant image quality regardless of weather or lighting. Both at the event and watching from home, the display prevents distortion or interruption, creating an immersive viewing experience.



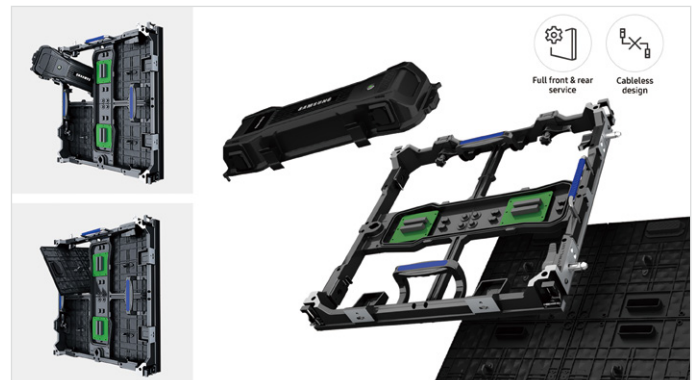
### Optimum performance in any environment

All components undergo strict testing to ensure optimum performance at all times. The VMR-O Series has full outdoor IP65/65 validated design, protecting it against water, dust and all outdoor elements, ensuring continuous operation regardless of the environment.



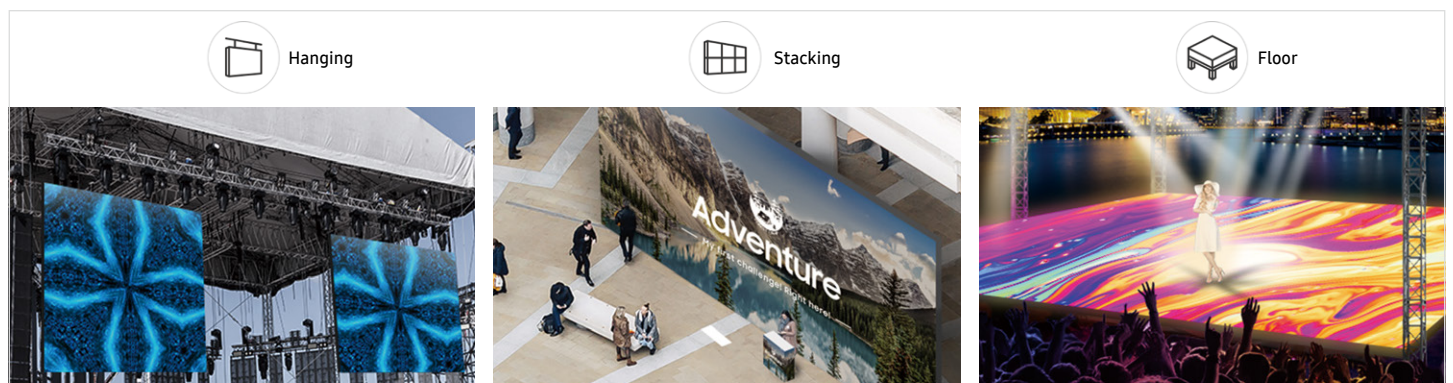
### Effortless installation

Samsung's VMR-O Series provides simple, one-man installation through its self-locking capability, enabling fast setup of the solution. In addition, its edge protection design allows the cabinet to stand firmly on the ground by itself while avoiding any damage.



### Simple, practical maintenance

With all components being detachable from the power box to module, the VMR-O Series supports full front and rear service, making it the ideal solution where space might be limited. In addition, its cable-free design enables simple and convenient component management.



### Designed for any installation style

The VMR-O Series is a perfect solution for a variety of installations at any event, from hanging to floor, to stacking. Multiple accessories are provided to help the fast and easy setup of displays across a versatile range of environments.

# Specifications

	VM039R-O
Physical Pitch	3.9 mm
Pixel Configuration	SMD 1921
Pixel Density	65,536 pixels/m <sup>2</sup> 16,384 pixels/panel
LED Module Dimensions (mm)	250 x 250
Panel Dimensions (W x H x D) (mm)	500 x 500 x 86
No. of Modules Per Panel (W x H)	2 x 2
Physical Resolution of Module (W x H)	64 x 64
Physical Resolution of Panel (W x H)	128 x 128
Weight Per Panel	7.9 kg/panel
Weight Per m <sup>2</sup>	31.6 kg/m <sup>2</sup>
Processing	16 bit
Colors	281 trillion
Contrast Ratio	4,000 : 1
Average Power Consumption	72W / panel
Max Power Consumption	240W/panel
Operating Tem/Humidity	-30 - 50°C / 10% - 90%
Storage Temp/Humidity	-30 - 60°C / 10% - 95%
Brightness	4500 nits
Refresh Rate	3,840 Hz
Horizontal Viewing Angle	140°
Vertical Viewing Angle	120°
Expected LED Lifetime (Max)	100,000 Hrs
Max Stacking	20 panels
Max Hanging	16 panels
Servicing	Front and Back
IP Rating	Front IP 65, Back IP65
Certification	CE, EMC Class A, ETL, RoHS, FCC

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Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions. For the latest news, please visit the Samsung Newsroom at <http://news.samsung.com>.

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For more information about Samsung SMART LED Signage, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

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