

VM029R-O

Physical Parameter data

Pixel Pitch	2.9 mm
Pixel Configuration	SMD 3-in-1
Pixel Density (m ²)	112,896 pixels/m ²
Pixel Density (Panel)	28,224 pixels/panel
Physical Resolution of Module (W × H)	84 × 84
Physical Resolution of Panel (W × H)	168 × 168
LED Module Dimensions (mm)	250x250mm
No. of Modules Per Panel (W × H)	2 × 2
Panel Dimensions (W × H × D) (mm)	500x500x86mm
Weight Per Panel	8.0 ±0.3 kg/panel
Weight Per m ²	32 ±1.2 kg/m ²
Cabinet Material	Aluminum Diecasting

Optical Parameter

Optical Parameter data

Brightness (after Cal.)	≥4000nits
Contrast Ratio	4,000 : 1
Horizontal Viewing Angle	140°
Vertical Viewing Angle	120°
Processing	16 bit
Colours	281 trillion
Color Temperature - Default	12000K±1500K
Color temperature - Adjustable	3500~12,000K

Electrical/Environmental

Electrical/Environmental data

Average Power Consumption (W/Panel)	72
Max Power Consumption (W/Panel)	240
Max Power Consumption	960 (W/m ²) / 240 (W/Cabinet)
Typical Power Consumption	288 (W/m ²) / 72 (W/Cabinet)
Max BTU	3276 (BTU/m ²) / 819 (BTU/Cabinet)
Typical BTU	983 (BTU/m ²) / 246 (BTU/Cabinet)
Refresh Rate	3,840Hz

Operation Conditions

Operation Conditions data

Operating Temp/Humidity	-30 - 50 °C/ 10% - 90%
Storage Temp/Humidity	-30 - 60 °C/ 10% - 95%
IP Rating	Front IP 65, Back IP65

LED Lifetime	100,000 Hrs
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Certification

Certification data

Certification	EMC Class A, Safety 60950-1 CE, ETL, RoHS, FCC
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Service

Service data

Service	Front and Rear
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Package (Wooden Box / Min)

Package (Wooden Box / Min) data

Packing Method	Wooden Box (6 in 1 box)
Packaging Dimensions (W × H × D) (mm)	843(W)x 678(H)x 573(D)
Packaging Weight (Total)	25.4kg

Package (Wooden Box / Max)

Package (Wooden Box / Max) data

Packaging Method	Wooden Box (6 in 1 box)
Packaging Dimensions (W × H × D) (mm)	843(W) x 678(H) x 573(D)
Packaging Weight (Total)	66kg

Package (Flight Case)

Package (Flight Case) data

Packaging Method	Flight Case (6 in 1box)
Packaging Dimensions (W × H × D) (mm)	861(W)x 733(H)x 615(D)
Packaging Weight (Total)	80 kg

Curve Installation

Curve Installation data

Curve Support	Flat, Flat
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Etc. Info.

Etc. Info/ data

No. of LED Bin for 1 project	Single Bin
D-IC Vendor	Chipone
D-IC part name	ICN2055
Tcon Vendor	Novastar
Tcon part name	A4S
PSU Vendor	Aplus Power
PSU part name	AP216
Connector Vendor	Seetronic

Max Stacking	20 panels
Max Hanging	16 panels
LED Package Name	XD-AF1516RGBI-1A1XSO
LED Vendor	Nationstar