

OUTDOOR LED DISPLAY

VAL-Gen-II-SMD

SPECIFICATION – SMD TYPE					
Pixel Pitch	3 mm	4 mm	6.67 mm	8 mm	10 mm
ED Package Type	SMD	SMD	SMD	SMD	SMD
Pixels Per Sq. m (Density)	104,329	62,500	22,500	15,625	10,000
Module Dimensions	12.6"x12.6" (320mm x 320mm)	12.6"x12.6" (320mm x 320mm)	12.6"x12.6" (320mm x 320mm)	12.6"x12.6" (320mm x 320mm)	12.6"x12.6" (320mm x 320mm)
Module Matrix	104x104	80x80	48x48	40x40	32x32
Module Weight	3 LB (1.4 KG)	3 LB (1.4 KG)	3 LB (1.4 KG)	3 LB (1.4 KG)	3 LB (1.4 KG)
Driving Method	1/13 constant current	1/10 constant current	1/6 constant current	1/4 constant current	1/2 constant current
Refresh Rate	≥3,840 Hz	≥3,840 Hz	≥1,920 / 3,840 Hz	≥1,920 / 3,840 Hz	≥1,920 / 3,840 Hz
Video Frame Rate	60 frames/second	60 frames/second	60 frames/second	60 frames/second	60 frames/second
Grayscale	65,536 (281 trillion colors)	65,536 (281 trillion colors)	65,536 (281 trillion colors)	65,536 (281 trillion colors)	65,536 (281 trillion colors)
Color Depth	16 bit	16 bit	16 bit	16 bit	16 bit
Brightness (NITS)	≥3,500	≥4,500	≥6,500 / 10,000	≥6,500 / 10,000	≥6,500 / 10,000
Brightness Control	256 levels	256 levels	256 levels	256 levels	256 levels
Ideal Viewing Range	10' or greater	13' or greater	18' or greater	22' or greater	28' or greater
Ideal Viewing Angle	160°(H) / 120°(V)	160°(H) / 120°(V)	160°(H) / 120°(V)	160°(H) / 120°(V)	160°(H) / 120°(V)
Max. Power Consumption	74W/ft ² (800W/m ²)	74W/ft ² (800W/m ²)	56W/ft ² (600W/m ²)	56W/ft ² (600W/m ²)	56W/ft ² (600W/m ²)
Avg. Power consumption	24W/ft ² (260W/m ²)	24W/ft ² (260W/m ²)	18W/ft ² (200W/m ²)	18W/ft ² (200W/m ²)	18W/ft ² (200W/m ²)
Input Voltage	88 ~ 264VAC	88 ~ 264VAC	88 ~ 264VAC	88 ~ 264VAC	88 ~ 264VAC
Ingress Protection	IP65	IP65	IP65	IP65	IP65
Operating Temperature	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)	-40 °F - +140°F (-40 °C - +60 °C)
MTBF	>5,000 hours	>5,000 hours	>5,000 hours	>5,000 hours	>5,000 hours
LED Life - Span	100,000 hours	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Cabinet Size	Customized	Customized	Customized	Customized	Customized
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Cabinet Weight	7.78 LB/ft ² (38 KG/m ²)	7.78 LB/ft ² (38 KG/m ²)	7.78 LB/ft ² (38 KG/m ²)	7.78 LB/ft ² (38 KG/m ²)	7.78 LB/ft ² (38 KG/m ²)