

VLED Series - Indoor LED Video Wall Display
Technical Specifications



		VLED - P127	VLED - P148	VLED - P186	VLED - P16L	VLED - P248
Module	LED configuration	SMD RGB Black	SMD RGB Black	SMD RGB Black	SMD RGB Black	SMD RGB Black
	Pixel pitch (mm)	1.27	1.488	1.86	1.69	2.48
	Module resolution (W x H)	128 x 96	80 x 80	64 x 64	96 x 72	48 x 48
	Module dimension (mm)	162.5 x 121.68	119.04 x 119.04	119.04 x 119.04	162.5 x 121.68	119.04 x 119.04
Cabinet	Cabinet module (W x H)	3 x 2	4 x 4	4 x 4	3 x 2	4 x 4
	Cabinet resolution (W x H)	256x288	320x 320	256 x 256	192 x 216	192 x 192
	Cabinet dimension (W x H x D)	324.48mm x 365.04mm x 87mm	476.16mm x 476.16mm x 92mm	476.16mm x 476.16mm x 92mm	324.48mm x 365.04mm x 87mm	476.16mm x 476.16mm x 92mm
	Weight (kg)	≤8.5	≤9.5	≤8.5	≤8.5	≤9.5
	Area (m ²)	0.118	0.227	0.227	0.118	0.227
	Pixel density (pixels/m ²)	350,128	451,641	289,050	350,128	162,591
	Cabinet flatness (mm)	≤0.15	≤0.15	≤0.15	≤0.15	≤0.15
	Serviceability	Front and back				
Display capabilities	Brightness (cd/m ²)	150 - 1,000 cd/m ²	150 - 1,000 cd/m ²	150 - 1,000 cd/m ²	150 - 1,000 cd/m ²	150 - 2,000 cd/m ²
	Point-by-point brightness/ chroma adjustment	Yes				
	Colour temperature	3200K - 9300K adjustable				
	Contrast ratio	≥3000:1				
	Brightness conformity	≥97%				
	Chroma uniformity	Δx ≤ ±0.001 Δy ≤ ±0.001				
	Colour gamut	114% NTSC				
	Horizontal half gain viewing angle	160°	160°	160°	160°	150°
	Vertical half gain viewing angle	160°	160°	160°	160°	150°
Processing performance	Gray scale	16 bit/colour				
	Driving mode	Constant current drive				
	Refresh rate (Hz)	≥1920 Hz				
	Frame rate (Hz)	60 Hz				
Power consumption	Power supply	AC 90-240V 50/60Hz (N+m redundant power supply)				
	Peak power consumption (W/m ²)	700W/m ²	950W/m ²	800W/m ²	700W/m ²	950W/m ²
	Average power consumption (W/m ²)	300W/m ²	450W/m ²	280W/m ²	300W/m ²	350W/m ²
Operating parameters	Lifetime to half brightness (hrs)	≥100,000hrs				
	Operating temperature (°C)	0°C - 40°C				
	Operating humidity (RH)	10% - 90%				
	Storage temperature (°C)	-20°C - 60°C				
	Storage humidity (RH)	10% - 90%				
	IP proof level	IP5X				
	Noise (dB(A))	≤28dB(A)				
Certifications	CCC, CE, CB, RoHS					