



Industry-Leading Fine Pitch LED Video Walls

The Leyard® VEC Series is a high performance, fine pitch LED video wall in a 2.5, 3.9 and 5 millimeter pixel pitch with industry-leading image quality, an advanced design and high reliability for a range of demanding indoor applications.

Leyard VEC Series LED video walls feature a single architecture, form-factor. Leyard VEC Series displays easily. The Leyard VEC Series delivers a crisp, high contrast image, Anti-blanking design, no "caterpillar", "ghosting" to follow the phenomenon. Every Leyard VEC Series display is available with a Dust-proof products to meet IP5Y protection level requirements.

Engineered to Fit More Applications

Leyard VEC Series was developed with a focus on building a product to advance how flexibility is delivered. With smart features that work together to deliver a LED video wall solution with installation, simplified use and applicable for more environments, the Leyard VEC Series provides a high quality display for the most demanding applications. With a single module data storage capabilities, automatic correction of data readback. Anti-oxidation to ensure single-module installation Pre-protection box design, not subject to the installation environment, the installation of fine Degree is higher

Plug & Play

- Unit module with magnesium alloy stent design, no plastic shell, cooling effect is better
- Unit module hidden suction cup design, light structure, better strength
- The unit box is made of die-casting aluminum box, the surface of aerospace radiation-resistant heat coating, one-time overall die-casting
- Fanless, dust-proof, silent design
- Box body without screws design, installation and maintenance more convenient
- Dust-proof products to meet IP5Y protection level requirements
- Can be used to connect the fixed installation
- Special removal tools, module maintenance easier
- Unit weight ≤ 7Kg, handling and installation efficient and quick
- Box flatness ≤ 0.15mm



Configuration Resolutions

The Leyard VEC Series features, that allows every pixel pitch to exactly achieve popular resolutions and can also be configure in any video wall configuration to meet the widest range of application requirements.

Models	1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8	9 x 9	10 x 10	11 x 11	12 x 12
VEC 2.5	192 x 192	384 x 384	576 x 576	768 x 768	960 x 960	1152 x 1152	1344 x 1344	1536 x 1536	1728 x 1728	1920 x 1920	2112 x 2112	2304 x 2304
VEC 3.9	128 x 128	256 x 256	384 x 384	512 x 512	640 x 640	768 x 768	896 x 896	1024 x 1024	1152 x 1152	1280 x 1280	1408 x 1408	1536 x 1536
VEC 5	96 x 96	192 x 192	288 x 288	768 x 768	480 x 480	576 x 576	672 x 672	768 x 768	864 x 864	960 x 960	1056 x 1056	1152 x 1152

Led Display Configuration Size (mm)

Models	1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8	9 x 9	10 x 10	11 x 11	12 x 12
VEC 2.5	480 x 480	960 x 960	1440 x 1440	1920 x 1920	2400 x 2400	2880 x 2880	3360 x 3360	3840 x 3840	4320 x 4320	4800 x 4800	5280 x 5280	5760 x 5760
VEC 3.9	500 x 500	1000 x 1000	1500 x 1500	2000 x 2000	2500 x 2500	3000 x 3000	3500 x 3500	4000 x 4000	4500 x 4500	5000 x 5000	5500 x 5500	6000 x 6000
VEC 5	480 x 480	960 x 960	1440 x 1440	1920 x 1920	2400 x 2400	2880 x 2880	3360 x 3360	3840 x 3840	4320 x 4320	4800 x 4800	5500 x 5500	5760 x 5760

LEYARD VEC SERIES SPECIFICATIONS

Parameter		VEC 2.5	VEC 3.9
Module	Pixel Configuration	SMD 3 in 1	SMD 3 in 1
	Pixel Pitch(mm)	2.5 mm	3.9 mm
	Resolution (W×H)	96 × 96	64 × 64
	Size (W×H×D)	240 × 240 × 13 mm	250 × 250 × 13 mm
	Weight (Kg)	0.5	0.5
Cabinet	Module Configuration(W×H)	2 X 2	2 X 2
	Resolution (W×H)	192 X 192	128 X 128
	Size (W×H×D)	480 X 480 X 77 mm	500 X 500 X 77 mm
	Area (m ²)	0.0576	0.0576
	Weight (kg/m ²)	30	30
	Pixel Density(Density/m ²)	160000	65536
	Flatness	≤0.5 mm	≤0.5 mm
Optical	Single dot calibration for Brightness	Yes	Yes
	Single dot calibration for Brightness	Yes	Yes
	White Balance Brightness (nits)	600 (After Calibration)	600 (After Calibration)
	Color Temperature(K)	3000—10000 (Can be adjusted)	3000—10000 (Can be adjusted)
	Horizontal Viewing Angle(°)	160	160
	Vertical Viewing Angle(°)	140	140
	Light Centre Distance Deviation (After Calibration)	<3%	<3%
	Brightness Uniformity (After Calibration)	≥97%	≥97%
	Color Uniformity (After Calibration)	In ±0.003Cx,Cy	In ±0.003Cx,Cy
	Contrast Ratio	5000 : 1	5000 : 1
	Electrical	Max Power Consumption (W/m ²)	560
Avg Power Consumption (W/m ²)		187	200
Power Supply		AC100~240V (50/60Hz)	AC100~240V (50/60Hz)
Processing	Constant Current Drive	Constant Current Drive	Constant Current Drive
	Reframe Rate (Hz)	50&60	50&60
	Refresh Rate (Hz)	1920/3000	1920/3000
Operational	Lifetime (half brightness) (hrs)	50'000	50,000
	Operation Temperature Range (°C)	-10 - 40	-10 - 40
	Storage Temperature Range (°C)	-20 - 60	-20 - 60
	Operation Humidity Range (RH)	10 - 80% No condensation	10 - 80% No condensation
	Storage Humidity Range (RH)	10 - 85% No condensation	10 - 85% No condensation

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