



Leyard VDS Series

Indoor Fine Pixel Pitch LED Display

Leyard® VDS Series entry-level indoor LED displays deliver beautiful, high-resolution visualization with fine pixel pitches and a glossy ruggedized surface treatment. Displays feature Chip on Board (COB) Technology with flip chip LEDs which produce excellent contrast, viewing angles and brightness. Leyard VDS Series displays are fully-encapsulated making them collision, scratch and static resistant as well as waterproof and dustproof.

COB

COB Technology
Enhanced durability and seamless display

4H

4H Hardness
Scratch-resistant and long-lasting surface

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Efficient Consumption
Save energy consumption, sustainable operation



Easy Maintenance
Full front installation and service



2-Year Warranty
Leyard LED Standard Limited Warranty

- 0.9, 1.2 & 1.5mm pixel pitches
- COB technology
- Full front installation and service
- Efficient power consumption
- Low power standby
- Ultra high protection, anti-collision



Specifications

Item	VDS009	VDS012	VDS015
LED Type	Full Flip Chip COB	Full Flip Chip COB	Full Flip Chip COB
Pixel Pitch	0.935mm	1.25mm	1.56mm
Module Resolution (WxH)	160x180	120x135	96x108
Module Size (WxH)	150x168.75mm 5.91"x6.64"		
Module Composition (WxH)	4x2	4x2	4x2
Cabinet Resolution (WxH)	640x360	480x270	384x216
Cabinet Size (WxHxD)	600x337.5x43.5mm 23.62"x13.29"x1.71"		
Unit Area	0.2025m ² 2.18ft ²		
Cabinet Weight	25kg/m ² 55.12lb/ft ²		
Pixel Density (pixel/m ²)	1137777	640000	409600
Surface Flatness (mm)	≤0.1	≤0.1	≤0.1
Brightness Calibration	Yes	Yes	Yes
Color Calibration	Yes	Yes	Yes
Brightness	600nits (1000nits optional)		
Color Temperature	3000~10000K Adjustable		
Horizontal Viewing Angle	160°	160°	160°
Vertical Viewing Angle	160°	160°	160°
Deviation of LED Luminance Center	<3%	<3%	<3%
Brightness Uniformity	≥97%	≥97%	≥97%
Chromaticity Uniformity	±0.003Cx,Cy within		
Contrast Ratio	10000:1	10000:1	10000:1
Max Power Consumption	375W/m ²	325W/m ²	325W/m ²
Average Power Consumption	175W/m ²	160W/m ²	160W/m ²
Power Supply	AC100~240V (50/60Hz)		
Drive Mode	Common cathode constant current driver		
Frame Rate	50&60Hz	50&60Hz	50&60Hz
Refresh Rate	3840Hz	3840Hz	3840Hz
Lifetime (hrs)	100,000	100,000	100,000
IP Level	IP54 / 4H	IP54 / 4H	IP54 / 4H
Operation Temperature	-10~40°C 14~104°F		
Storage Temperature	-20~60°C -4~140°F		
Operation Humidity	10~90%RH no condensation		
Storage Humidity	10~95%RH no condensation		
Warranty	2 years		