



## **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 Technology Enhanced durability and seamless display



**4H Hardness**Scratch-resistant and long-lasting surface



Efficient Consumption
Save energy consumption,
sustainable operation



Easy Maintenance
Full front installation and service



Wide Viewing Angle
Expansive viewing angles
enhance visual clarity



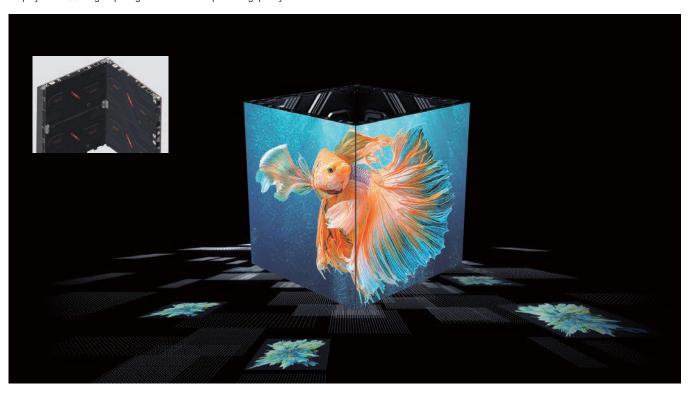
2-Year Warranty Leyard LED Standard Limited Warranty

- 0.7, 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

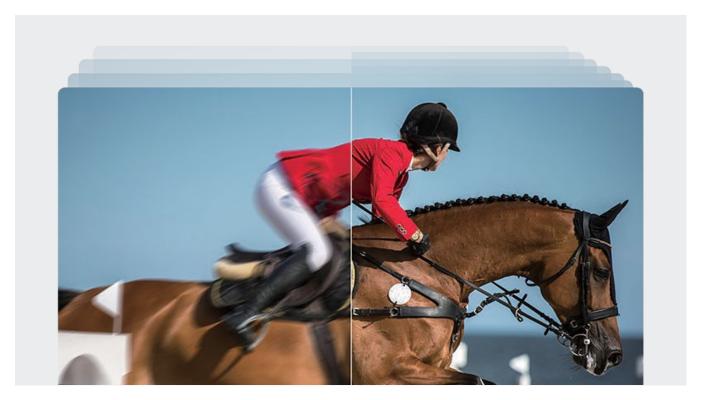


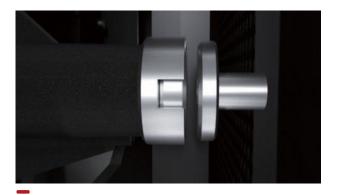
# LEYARD VDS SERIES HIGHLIGHT FEATURES

Displays offer  $90^\circ$  angle splicing with a cabinet separation gap only as wide as the LED module.

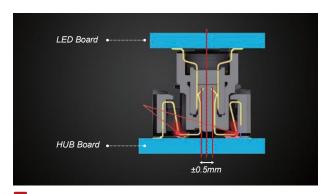


Ultra-high refresh rate and intelligent modules play video smoothly.





 $\label{thm:modules} \mbox{Modules' magnetic design delivers excellent flatness and seamless splicing.}$ 



Floating Connector - Good SMD position tolerance and shock resistance, reduce the stress on the welding foot when the dislocation is inserted and removed.

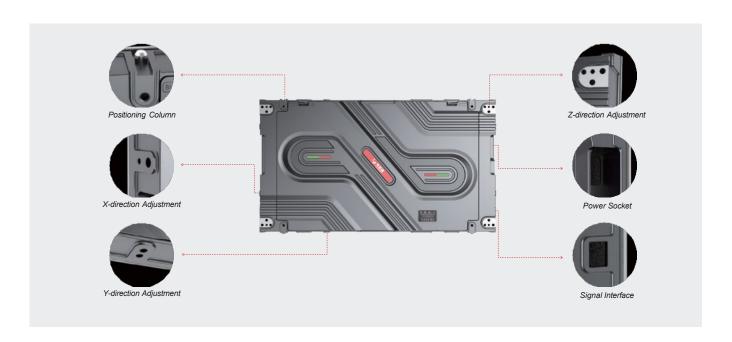


Ultra-high anti-static and anti collision protection.



One-key energy saving, black screen saves 90% at least.

### PRODUCT STRUCTURE



#### **Specifications**

Full Flip Chip COB	ltem	VDS007	VDS009	VDS012	VDS015
Module Resolution (World)         192×216         180×180         120×135         96×108           Module Size (World)         150×168.75mm   5.91*x6.64*         4x2           Module Composition (World)         4x2         4x2           Cabinet Resolution (World)         768×432         640×380         480×270         384×218           Cabinet Size (World)         600×337.5x43.5mm   2.802*x13.29*x1.71*         7.71*         7.71*         7.71*           Unit Airee         0.2025m²   2.18h²         2.5kgm²   55.12bm²         7.72*	LED Type	Full Flip Chip COB			
Module Size (Wirth)         150x168.75mm   5.91*x6.64*           Module Composition (Wirth)         4x2           Cabinet Resolution (Wirth)         768x432         640x380         480x270         384x216           Cabinet Resolution (Wirth)         768x432         640x380         480x270         384x216           Cabinet Weight         600x337.5x43.5mm   23.02*x13.29*x1.71*         400x21         400x21           Unit Area         0.2025m²   2.18t²         40000         409600           Surface Flatness (mm)         640000         409600         409600           Surface Flatness (mm)         40.1         40000         409600           Brightness Calibration         Yes         40.1         40000         409600           Brightness Calibration         Yes         40.0         409600         <	Pixel Pitch	0.78	0.935mm	1.25mm	1.56mm
Module Composition (Worlf)         4x2           Cabinet Resolution (Worlf)         768x432         640x360         480x270         384x216           Cabinet Size (WorlxQ)         600x337.5x43.5mm   23.62°x13.29°x1.71°           Unit Area         0.2025m²   2.180²           Cabinet Weight         25kgrm²   55.12b/b²           Pival Density (pixelim²)         1638400         1137777         640000         409600           Surface Flatness (mm)         \$0.1         \$0.0         <	Module Resolution (WxH)	192x216	160x180	120x135	96x108
Cabinet Resolution (Wirth)         768x432         640x360         480x270         384x216           Cabinet Size (WirthD)         600x337.5x43.5mm   23.62°x13.29°x1.71°	Module Size (WxH)	150x168.75mm   5.91"x6.64"			
Cabinet Size (WwhtxD)         600x337 5x43.5mm   23.62*x13.29*x1.71*           Unit Area         0.2025m²   2.180t²           Cabinet Weight         25kg/m²   55.12hpf²           Pixel Density (pixel/m²)         1638400         1137777         640000         409600           Surface Flatness (mm)         \$0.1         \$0.2         \$	Module Composition (WxH)	4x2			
Unit Area         0.2025m²   2.18th²           Cabinet Weight         25kg/m²   55.12lb/f²           Pixel Density (pixel/tr²)         1638400         1137777         640000         409600           Surface Flatness (mm)         \$0.1         \$0.	Cabinet Resolution (WxH)	768x432	640x360	480x270	384x216
Cabinet Weight         25kg/m²   55.12lbfl²           Pixel Density (pixel/m²)         1638400         1137777         640000         409600           Surface Flatness (mm)         ≤0.1         50.1           Brightness Calibration         Yes         Color Calibration         Yes           Brightness         660nits (1000nits optional)         Color Temperature         3000–10000K Adjustable           Horizontal Viewing Angle         170°         Vertical Viewing Angle         170°           Deviation of LED Luminance Center         <3%         Septimess Uniformity         ≤97%           Chromaticity Uniformity         ±0,003Cx,Cy within         Contrast Ratio         10000:1           Max Power Consumption         425W/m²         375W/m²         325W/m²         325W/m²           Average Power Consumption         200W/m²         175W/m²         160W/m²         160W/m²         160W/m²           Power Supply         AC:100–240V (50/60Hz)         Common cathode constant current driver         Frame Rate         50860Hz         Refresh Rate         3840Hz         Lifetime (hrs)         100,000         IP Level         IP 54 / 4H         Operation Temperature         10-40°C   4-140°F         500 G/C   4-140°F<	Cabinet Size (WxHxD)	600x337.5x43.5mm   23.62"x13.29"x1.71"			
Pixel Density (pixeltin*)   1638400   1137777   640000   409600	Unit Area	0.2025m²   2.18ft²			
Surface Flatness (mm)         ≤0.1           Brightness Calibration         Yes           Color Calibration         Yes           Brightness         600nlts (1000nlts optional)           Color Temperature         3000~10000K Adjustable           Horizontal Viewing Angle         170"           Vertical Viewing Angle         170"           Deviation of LED Luminance Center         <3%	Cabinet Weight	25kg/m²   55.12lb/ft²			
### Brightness Calibration    Yes	Pixel Density (pixel/m²)	1638400	1137777	640000	409600
Color Calibration         Yes           Brightness         600nits (1000nits optional)           Color Temperature         3000~10000K Adjustable           Horizontal Viewing Angle         170°           Vertical Viewing Angle         170°           Deviation of LED Luminance Center         <3%	Surface Flatness (mm)	≤0.1			
Brighthess         600nits (1000nits optional)           Color Temperature         3000~10000K Adjustable           Horizontal Viewing Angle         170°           Vertical Viewing Angle         170°           Deviation of LED Luminance Center         <3%	Brightness Calibration	Yes			
Color Temperature         3000~10000K Adjustable           Horizontal Viewing Angle         170°           Vertical Viewing Angle         170°           Deviation of LED Luminance Center         <3%	Color Calibration	Yes			
Horizontal Viewing Angle         170°           Vertical Viewing Angle         170°           Deviation of LED Luminance Center         <3%	Brightness	600nits (1000nits optional)			
Vertical Viewing Angle         170°           Deviation of LED Luminance Center         <3%	Color Temperature	3000~10000K Adjustable			
Deviation of LED Luminance Center         <3%	Horizontal Viewing Angle	170°			
Brightness Uniformity         ≥97%           Chromaticity Uniformity         ±0.003Cx,Cy within           Contrast Ratio         10000:1           Max Power Consumption         425W/m²         375W/m²         325W/m²         325W/m²           Average Power Consumption         200W/m²         175W/m²         160W/m²         160W/m²           Power Supply         AC100~240V (50/60Hz)           Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Vertical Viewing Angle	170°			
Chromaticity Uniformity         ±0.003Cx,Cy within           Contrast Ratio         10000:1           Max Power Consumption         425W/m²         375W/m²         325W/m²         325W/m²           Average Power Consumption         200W/m²         175W/m²         160W/m²         160W/m²         160W/m²           Power Supply         AC100~240V (50/60Hz)         Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz         Refresh Rate         3840Hz           Lifetime (hrs)         100,000         IP54 / 4H           Operation Temperature         -10~40°C   14~104°F         Storage Temperature           Operation Humidity         10~90%RH no condensation	Deviation of LED Luminance Center	<3%			
Contrast Ratio         10000:1           Max Power Consumption         425W/m²         375W/m²         325W/m²         325W/m²           Average Power Consumption         200W/m²         175W/m²         160W/m²         160W/m²           Power Supply         AC100~240V (50/60Hz)           Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Brightness Uniformity	≥97%			
Max Power Consumption         425W/m²         375W/m²         325W/m²         325W/m²           Average Power Consumption         200W/m²         175W/m²         160W/m²         160W/m²           Power Supply         AC100~240V (50/60Hz)           Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Chromaticity Uniformity	±0.003Cx,Cy within			
Average Power Consumption         200W/m²         175W/m²         160W/m²         160W/m²           Power Supply         AC100~240V (50/60Hz)         AC100~240V (50/60Hz)           Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Contrast Ratio	10000:1			
Power Supply         AC100~240V (50/60Hz)           Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Max Power Consumption	425W/m <sup>2</sup>	375W/m <sup>2</sup>	325W/m <sup>2</sup>	325W/m <sup>2</sup>
Drive Mode         Common cathode constant current driver           Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Average Power Consumption	200W/m <sup>2</sup>	175W/m <sup>2</sup>	160W/m <sup>2</sup>	160W/m <sup>2</sup>
Frame Rate         50&60Hz           Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Power Supply	AC100~240V (50/60Hz)			
Refresh Rate         3840Hz           Lifetime (hrs)         100,000           IP Level         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	Drive Mode	Common cathode constant current driver			
Lifetime (hrs)       100,000         IP Level       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	Frame Rate	50&60Hz			
IP Level  Operation Temperature  -10~40°C   14~104°F  Storage Temperature  -20~60°C   -4~140°F  Operation Humidity  10~90%RH no condensation	Refresh Rate	3840Hz			
Operation Temperature     -10~40°C   14~104°F       Storage Temperature     -20~60°C   -4~140°F       Operation Humidity     10~90%RH no condensation	Lifetime (hrs)	100,000			
Storage Temperature  -20~60°C   -4~140°F  Operation Humidity  10~90%RH no condensation	IP Level	IP54 / 4H			
Operation Humidity 10~90%RH no condensation	Operation Temperature	-10~40°C   14~104°F			
	Storage Temperature	-20~60°C   -4~140°F			
Storage Humidity 10~95%RH no condensation	Operation Humidity	10~90%RH no condensation			
gy	Storage Humidity	10~95%RH no condensation			
Warranty 2 years	Warranty	2 years			
Certification FCC, CB, cTUVus, CE, IC, ROHS, WEEE, REACH	Certification	FCC, CB, cTUVus, CE, IC, ROHS, WEEE, REACH			