



Leyard Europe VDS Complete

Pre-Packaged COB LED Video Walls




- ▶ **Complete Direct View LED Video Wall ready to install**
- ▶ **Flip-Chip MicroLED COB for Ultra high protection, anti-collision**
- ▶ **Available Sizes: 108" | 136" | 163" | 196" | 217"**
- ▶ **Models with 16:9 or wide-view 32:9 aspect ratio**
- ▶ **Includes: display cabinets, controller, mounts cables, trim, remote control & spare modules**
- ▶ **Optional IR Touch Frame available for sizes 108" - 196"**



Leyard Europe's Breakthrough Generation of LED Displays

The Leyard VDS Series is Leyard Europe's latest LED technology using MicroLED Chip-on-Board (COB) technology. COB LED technology is becoming increasingly popular and Leyard Europe has developed the VDS Series to provide a state-of-the-art visualization solution. Using this technology allows the display to achieve extremely large viewing angles and high contrast ratios. All this while maintaining a very high power efficiency ratio. In addition, it comes packed with the latest 5G technology for easy installation and cabling.

Leyard VDS Complete Specifications

Model Version:	Screen Diagonal	Resolution	Pixel Pitch	Cabinet Configuration	Dimensions (WxHxD)	LED Controller	Part Number
VDS Complete HD 108 WM	108.4" / 275cm	 Full HD (1920x1080)	1.25mm	4x4 VDS1.2	2400 × 1350 × 89.2mm	4K/UHD capable LED Controller with on-board features for scaling and PIP functionality	VDS12HD108WMXX
VDS Complete HD 136 WM	135.5" / 344cm		1.56mm	5x5 VDS1.5	3000 × 1687.5 × 89.2mm		VDS15HD136WMXX
VDS Complete HD 163 WM	162.6" / 413cm		1.875mm	6x6 VDS1.8	3600 × 2025 × 89.2mm		VDS18HD163WMXX
VDS Complete DHD 196 WM	198" / 503cm	 Double Full HD (3840x1080)	1.25mm	8x4 VDS1.2	4800 × 1350 × 89.2mm		VDS12DHD196WMXX
VDS Complete UHD 136 WM	135.5" / 344cm	 4K (3840x2160)	0.78mm	5x5 VDS0.7	3000 × 1687.5 × 89.2mm		VDS07UHD136WMXX
VDS Complete UHD 163 WM	162.6" / 413cm		0.935mm	6x6 VDS0.9	3600 × 2025 × 89.2mm		VDS09UHD163WMXX
VDS Complete UHD 217 WM	216.8" / 551cm		1.25mm	8x8 VDS1.2	4800 × 2700 × 89.2mm		VDS12UHD217WMXX

Leyard VDS General Specifications

Model	VDS-0.7	VDS-0.9	VDS-1.2	VDS-1.5	VDS-1.8
Pixel Configuration	Flip-Chip MicroLED COB	Flip-Chip MicroLED COB	Flip-Chip MicroLED COB	Flip-Chip MicroLED COB	Flip-Chip MicroLED COB
Pixel Pitch (mm)	0.78	0.935	1.25	1.56	1.875
Module Resolution (WxH)	192x216	160x180	120x135	96x108	80x90
Module Size (mm)(WxHxD)	150x168.75				
Module Composition (WxH)	4x2				
Cabinet Resolution (WxH)	768x432	640x360	480x270	384x216	320x180
Cabinet Size (mm)(WxHxD)	600x337.5x43.5				
Unit Area (m ²)	0.2025				
Cabinet Weight (kg/m ²)	25				
Pixel Density (pixel/m ²)	1,638,400	1,137,777	640,000	409,600	284,444
Surface Flatness (mm)	≤0.1				
Colour Bit Depth	16 Bit (281tn colours)				
Brightness (nits)	600				
Colour Temperature (K)	3000 - 10000, adjustable				
Viewing Angle (°)	H:170 V:170				
Brightness Uniformity	≥97%				
Contrast Ratio	20,000:1				
Max. Power Consumption (W/m ²)	425	375	325	325	300
Avg. Power Consumption (W/m ²)	200	175	160	160	150
Power Supply	AC100~240V (50/60Hz)				
Drive Mode	Common cathode constant current driver				
Frame Rate (Hz)	50 / 60				
Refresh Rate (Hz)	3840				
Lifetime (hrs)	100,000				
Operating Mode	24x7				
IP Level (front)	IP54 / 4H				
Operation Conditions	Temperature: -10 - +40 Humidity: 10 - 90% RH, no condensation				
Storage Conditions	-20 - +60 (°C) Humidity: 10 - 95% RH, no condensation				
Certificates	CE, CB, TÜV, RoHS, REACH, FCC				