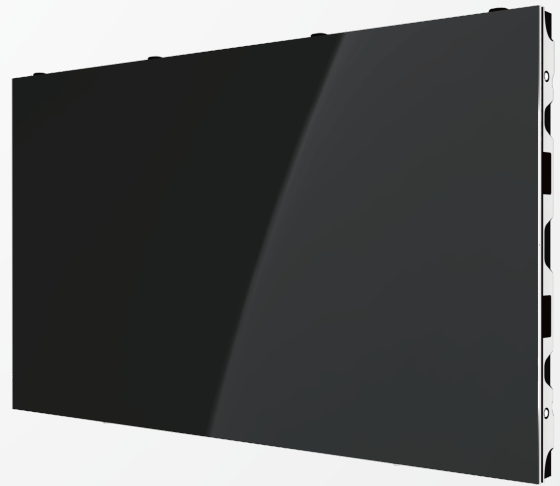


VBD-P(VL)

Flip-chip COB with Common Cathode Driving Technology

Cold display" with Super Energy-saving Performance
Ultra-High Reliability in Slim-line panel design
Higher Brightness and Contrast ratio
16:9 ratio in Panel Design
Unprecedented Wide Viewing Angle

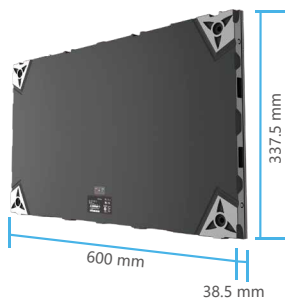


Energy-saving Design with Better Heat Dissipation

- › Common Cathode Technology makes lower power consumption and lower working temperature, longer lifespan.
- › Non holder design provides wider heat dissipation area leading great performance of heat dissipation.
- › Power supply unit redundancy (Optional) .

Stunning Effects

- › Unprecedented wide viewing angle bring exceling visual experience.
- › High brightness and advanced design enable HDR function, adding excellent color performance.



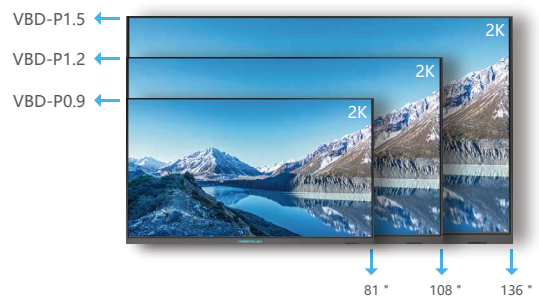
Ultra-High Reliability

- › Chip-on-board packaging with Ebony technology providing dual protection of the panel. Anti-collision, dust proof and water proof of the module.
- › Super slim design with 38.5mm for ultra-thin wall-mounting solution
- › Non holder design increases the life time.



Unlimited Vision and Possibilities

- › Fine pixel pitch 0.78, 0.93, 1.25, 1.56, 1.87 the 16:9 aspect ratio panel allow native 2k/4k pixel to pixel resolution .



VBD-P(VL) / Specifications

	VBD-P0.9	VBD-P1.2	VBD-P1.5
Physical Pitch	0.93 mm	1.25 mm	1.56 mm
Pixel Configuration	Flip-chip RGB LED(COB)	Flip-chip RGB LED(COB)	Flip-chip RGB LED(COB)
Pixel Density	1,137,777 pixels/m ² 230,400 pixels/panel	640,000 pixels/m ² 129,600 pixels/panel	409,600 pixels/m ² 82,944 pixels/panel
LED Module Dimensions (mm)	150 × 168.75	150 × 168.75	150 × 168.75
Panel Dimensions (W × H × D) (mm)	600 × 337.5 × 38.5(no shell)	600 × 337.5 × 38.5(no shell)	600 × 337.5 × 38.5(no shell)
No. of Modules Per Panel (W × H)	4 × 2	4 × 2	4 × 2
Physical Resolution of Module (W × H)	160 × 180	120 × 135	96 × 108
Physical Resolution of Panel (W × H)	640 × 360	480 × 270	384 × 216
Weight Per Panel	5.1±0.5 kg/panel	5.1±0.5 kg/panel	5.1±0.5 kg/panel
Weight Per m ²	25.2±2.5kg/m ²	25.2±2.5kg/m ²	25.2±2.5kg/m ²
Colour Gamut	DCI-P3 ≥ 100% (Optional)	DCI-P3 ≥ 100% (Optional)	DCI-P3 ≥ 100% (Optional)
Processing	13 bit	14 bit	16 bit
Colours	0.55 trillion	4.4 trillion	281 trillion
Contrast Ratio	20,000 : 1	20,000 : 1	20,000 : 1
Average Power Consumption	80 w/m ² (600nits)	80 w/m ² (600nits)	59 w/m ² (600nits)
Max Power Consumption	240 w/m ² (600nits)	240 w/m ² (600nits)	180 w/m ² (600nits)
Operating Temp/Humidity	-10 ~ 40 C/ 10%~ 90%	-10 ~ 40 C/ 10%~ 90%	-10 ~ 40 C/ 10%~ 90%
Storage Temp/Humidity	-20~ 60 C/ 10%~ 90%	-20~ 60 C/ 10%~ 90%	-20~ 60 C/ 10%~ 90%
Brightness	600-1000nits	600-1000nits	600-1000nits
Refresh Rate	3840 Hz	3840 Hz	3840 Hz
Horizontal Viewing Angle	170°	170°	170°
Vertical Viewing Angle	170°	170°	170°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs	100,000 Hrs
Servicing	Front	Front	Front
IP Rating	IP30	IP30	IP30
Certification	CE,UKCA, EMC ClassA*,ETL, RoHS,SVHC, PSE,CCC, EMC Class A	CE,UKCA, EMC ClassA*,ETL, RoHS,SVHC, PSE,CCC, EMC Class A	CE,UKCA, EMC ClassA*,ETL, RoHS,SVHC, PSE,CCC, EMC Class A

*Notes: The Specifications are for reference; actual values may vary.
Shenzhen CreateLED Electronics Co.,Ltd reserves the right to modify product design, specifications,
and parameters without further notice.

Application Fields

- > Control Room
- > Showroom
- > Station

- > TV Broadcasting
- > Showroom
- > Corporate

- > Classroom
- > Shopping mall
- > Stadium



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CreateLED



createled

www.createled.com

sales@createled.com

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