

VBD-V

All Flip-chip COB

Higher Stability and Reliability
 Super Wider Color Gamut
 Higher Contrast Ratio
 Excellent Thermal Management
 Higher Brightness
 Wider View angle without Color Shift
 Lower Heat Generation



Anti-stress and anti-collision, high stability, real world tested

- › COB + Ebony technology, double protection, double secure.
- › Moisture-proof and dust-proof, anti-corrosion and anti-static.
- › longer lifetime, virtually maintenance free.



No space display, UHD display Stunning visual experience

- › Wider view angle, 170° horizontally and vertically.
- › Pixel-by-pixel calibration technology guarantee higher color fidelity and uniformity.



Energy efficient Efficient heat dissipation

- › Heat conductive cabinet.
- › Panel to cabinet heat dissipation fanless design.
- › Power consumption is reduced by 20% under the same brightness condition.



Unlimited possibilities Unlimited vision

- › Easily configured into 1080P/2K/ 4K/ 8K resolution without size limitations.



HD

VBD-V / Specifications

	VBD-V 0.8	VBD-V 1.2	VBD-V 1.6
Physical Pitch	0.8mm	1.2 mm	1.6 mm
Pixel Configuration	Flip-chip RGB LED (COB)	Flip-chip RGB LED (COB)	Flip-chip RGB LED (COB)
Pixel Density	1,440,000 pixels/m ² 259,200 pixels/panel	640,000 pixels/m ² 115,200 pixels/panel	360,000 pixels/m ² 64,800 pixels/panel
LED Module Dimensions (mm)	200 × 150	200 × 150	200 × 150
Panel Dimensions (W × H × D) (mm)	400 × 450 × 49	400 × 450 × 49	400 × 450 × 49
No. of Modules Per Panel (W × H)	2 × 3	2 × 3	2 × 3
Physical Resolution of Module (W × H)	240 × 180	160 × 120	120 × 90
Physical Resolution of Panel (W × H)	480 × 540	320 × 360	240 × 270
Weight Per Panel	6.18 kg/panel	6.2 kg/panel	6.2 kg/panel
Processing	14 - 16 bit	14 - 16 bit	14 - 16 bit
Colours	281 trillion	281 trillion	281 trillion
Contrast Ratio	20,000 : 1	20,000 : 1	20,000 : 1
Average Power Consumption	186 - 311 w/m ²	186 - 311 w/m ²	186 - 311 w/m ²
Max Power Consumption	622 w/m ²	622 w/m ²	622 w/m ²
Operating Temp/Humidity	-10 - 40 ℃ / 10% - 60%	-10 - 40 ℃ / 10% - 60%	-10 - 40 ℃ / 10% - 60%
Storage Temp/Humidity	-30 - 60 ℃ / 10% - 60%	-30 - 60 ℃ / 10% - 60%	-30 - 60 ℃ / 10% - 60%
Brightness	600-800*nits	800-1000*nits	800-1000*nits
Refresh Rate	3,840 Hz	3,840 Hz	3,840 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*, EMC*,ClassA*, ETL*, RoHS*, CCC*	CE*, EMC*,ClassA*, ETL*, RoHS*, CCC*	CE*, EMC*,ClassA*, ETL*, RoHS*, CCC*

***The specification will be different based on different configuration.**
Remark : **Just for reference. If any request, welcome to contact us. The final interpretation belongs to**
ShenZhen CreateLED Electronics Co., Ltd.

Typical Applications

- Command room

➤ Teleconferencing

➤ Smart education
- Security

➤ TV studio

➤ Medical
- Smart City

➤ Stadium