

VBD-P

All Flip-chip

- Higher Stability and Reliability
- Higher pixel density
- Higher Contrast Ratio
- Excellent Thermal Management
- 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.

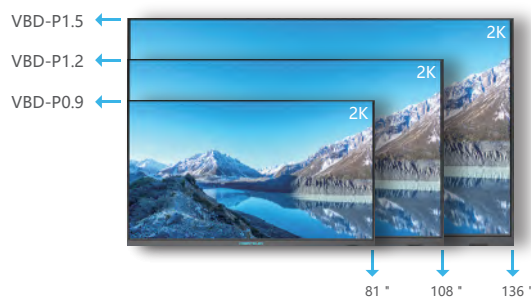
Super Slim, Super Lightweight

- › Panel depth is ultra slim at 38.5mm.
- › Weight of 5 kg/panel.

Unlimited possibilities Unlimited vision

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

Intelligent assembly.



No space display, UHD display Stunning visual experience

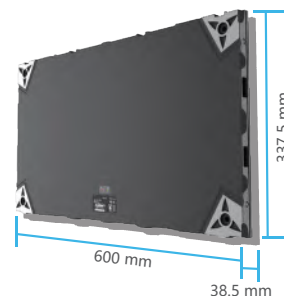
- › Wider view angle, 170° horizontally and vertically.
- › Pixel-by-pixel calibration technology guarantee higher color fidelity and uniformity.

Multi-functional, suitable for various applications

- › Power and data redundancy.
- › Equipped with intelligent handle.
- › Wall-mounted or hanging. Compatible with all-in-one and advertising machine. Simple and neat inter-cabinet wiring.

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.



HD

VBD-P / Specifications

	VBD-P0.7	VBD-P0.9	VBD-P1.2	VBD-P1.5	VBD-P1.8
Physical Pitch	0.78 mm	0.93 mm	1.25 mm	1.56 mm	1.87 mm
Pixel Configuration	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED	Flip-chip RGB LED
Pixel Density	1,638,400 pixels/m ² 331,776 pixels/panel	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	284,444 pixels/m ² 57,600 pixels/panel
LED Module Dimensions (mm)	300 × 337.5	300 × 337.5	300 × 337.5	300 × 337.5	300 × 337.5
Panel Dimensions (W × H × D) (mm)	600 × 337.5 × 38.5	600 × 337.5 × 38.5	600 × 337.5 × 38.5	600 × 337.5 × 38.5	600 × 337.5 × 38.5
No. of Modules Per Panel (W × H)	2 × 1	2 × 1	2 × 1	2 × 1	2 × 1
Physical Resolution of Module (W × H)	384 × 432	320 × 360	240 × 270	192 × 216	160 × 180
Physical Resolution of Panel (W × H)	768 × 432	640 × 360	480 × 270	384 × 216	320 × 180
Weight Per Panel	5.3* kg/panel	5.2* kg/panel	5* kg/panel	5* kg/panel	5* kg/panel
Weight Per m ²	26.1 *kg/m ²	25.6 *kg/m ²	24.6 *kg/m ²	24.6 *kg/m ²	24.6 *kg/m ²
Processing	14 - 16 bit	14 - 16 bit	14 - 16 bit	14 - 16 bit	14 - 16 bit
Colours	281 trillion	281 trillion	281 trillion	281 trillion	281 trillion
Contrast Ratio	20,000 : 1	20,000 : 1	20,000 : 1	20,000 : 1	20,000 : 1
Average Power Consumption	148w/m ²	148w/m ²	148w/m ²	186 - 311w/m ²	186 - 311w/m ²
Max Power Consumption	300w/m ²	300w/m ²	300w/m ²	622w/m ²	622w/m ²
Operating Temp/Humidity	-10 - 40 °C / 10% - 90%	-10 - 40 °C / 10% - 90%	-10 - 40 °C / 10% - 90%	-10 - 40 °C / 10% - 90%	-10 - 40 °C / 10% - 90%
Storage Temp/Humidity	-20 - 50 °C / 10% - 95%	-20 - 50 °C / 10% - 95%	-20 - 50 °C / 10% - 95%	-20 - 50 °C / 10% - 95%	-20 - 50 °C / 10% - 95%
Brightness	800 - 1000 nits	800 - 1000 nits	600 - 1000 nits	600 - 1000 nits	600 - 1000 nits
Refresh Rate	≥3840 Hz	≥3840 Hz	≥3840 Hz	≥3840 Hz	≥3840 Hz
Horizontal Viewing Angle	170°	170°	170°	170°	170°
Vertical Viewing Angle	170°	170°	170°	170°	170°
Expected LED Lifetime (Max)	100,000 Hrs	100,000 Hrs	100,000 Hrs	100,000 Hrs	100,000 Hrs
Servicing	Front	Front	Front	Front	Front
IP Rating	IP30	IP30	IP30	IP30	IP30
Certification	CE, EMC ClassA, ETL, RoHS*, CCC	CE, EMC ClassA, ETL, RoHS*, CCC	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

- Monitoring, command and control centre
- Shopping mall
- Opera house
- House of Worship
- Reception hall
- Theatre stage design
- High-level video conferencing
- Window display
- Airport
- Stadium