

# 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

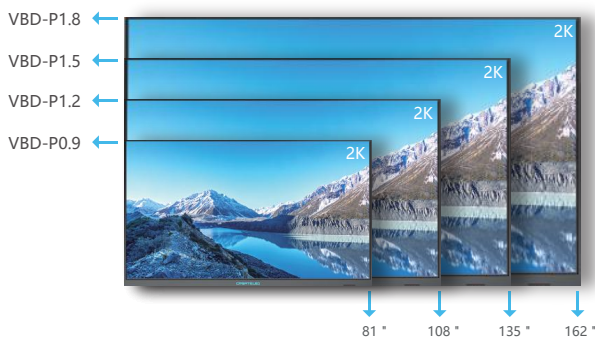
- > COB + Ebony technology, double protection, double secure.
- > Moisture-proof and dust-proof, anti-corrosion and anti-static.
- > longer lifetime, virtually maintenance free.

## 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

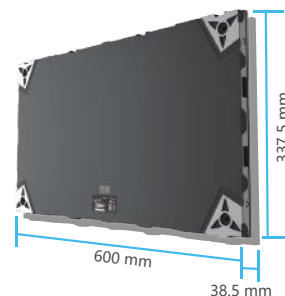
- > Wider view angle, 170° horizontally and vertically.
- > Pixel-by-pixel calibration technology guarantee higher color fidelity and uniformity.

## 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 <sup>2</sup> 331,776 pixels/panel	1,137,777 pixels/m <sup>2</sup> 230,400 pixels/panel	640,000 pixels/m <sup>2</sup> 129,600 pixels/panel	409,600 pixels/m <sup>2</sup> 82,944 pixels/panel	284,444 pixels/m <sup>2</sup> 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 <sup>2</sup>	26.1 *kg/m <sup>2</sup>	25.6 *kg/m <sup>2</sup>	24.6 *kg/m <sup>2</sup>	24.6 *kg/m <sup>2</sup>	24.6 *kg/m <sup>2</sup>
Processing	16 bit	16 bit	16 bit	16 bit	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	38 - 63 w/panel	38 - 63 w/panel	38 - 63 w/panel	38 - 63 w/panel	38 - 63 w/panel
Max Power Consumption	126 w/panel	126 w/panel	126 w/panel	126 w/panel	126 w/panel
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	600-800 nits	600-800 nits	600-800 nits	600-800 nits	600-800 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	IP65/IP30	IP65/IP30	IP65/IP30	IP65/IP30	IP65/IP30
Certification	CE*, EMC*, ClassA*, ETL*, RoHS*	CE*, EMC*, ClassA*, ETL*, RoHS*	CE*, EMC*, ClassA*, ETL*, RoHS*	CE*, EMC*, ClassA*, ETL*, RoHS*	CE*, EMC*, ClassA*, ETL*, RoHS*

\* The products listed above are currently under development

▲ Ebony Technology Version

**\*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