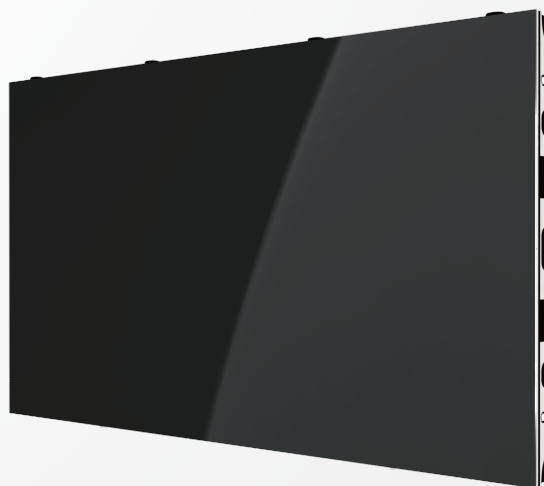


VBD-P(VH)

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

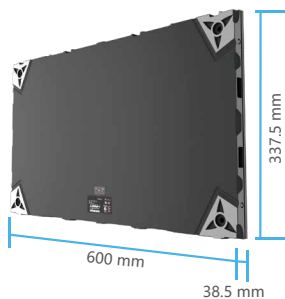


Energy-saving Design with Better Heat Dissipation

- 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(VH) / 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(COB) | Flip-chip RGB LED(COB) | Flip-chip RGB LED(COB) | Flip-chip RGB LED(COB) | Flip-chip RGB LED(COB) |
| 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 | 284,442 pixels/m ² 57,600 pixels/panel |
| LED Module Dimensions (mm) | 150 × 168.75 | 150 × 168.75 | 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) | 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 | 4 × 2 | 4 × 2 |
| Physical Resolution of Module (W × H) | 192 × 216 | 160 × 180 | 120 × 135 | 96 × 108 | 80 × 90 |
| Physical Resolution of Panel (W × H) | 768 × 432 | 640 × 360 | 480 × 270 | 384 × 216 | 320 × 180 |
| Weight Per Panel | 5.1±0.5 kg/panel | 5.1±0.5 kg/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 | 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) | DCI-P3 ≥ 100% (Optional) | DCI-P3 ≥ 100% (Optional) |
| Processing | 15 bit | 15 bit | 16 bit | 16 bit | 16 bit |
| Colours | 35.2 trillion | 35.2 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 | 83w/m ² (1000nits) | 76 w/m ² (1000nits) | 76 w/m ² (1000nits) | 59w/m ² (1000nits) | 59 w/m ² (1000nits) |
| Max Power Consumption | 250 w/m ² (1000nits) | 230 w/m ² (1000nits) | 230 w/m ² (1000nits) | 180 w/m ² (1000nits) | 180 w/m ² (1000nits) |
| Operating Temp/Humidity | -10 - 40C / 10% - 90% | -10 - 40C / 10% - 90% | -10 - 40C / 10% - 90% | -10 - 40C / 10% - 90% | -10 - 40C / 10% - 90% |
| Storage Temp/Humidity | -20 - 60C / 10% - 90% | -20 - 60C / 10% - 90% | -20 - 60C / 10% - 90% | -20 - 60C / 10% - 90% | -20 - 60C / 10% - 90% |
| Brightness | 600-1000nits | 600-1000nits | 600-1000nits | 600-1000nits | 600-1000nits |
| 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,UKCA, EMC ClassA*, RoHS,SVHC, PSE,CCC, ETL,EMC Class A | CE,UKCA, EMC ClassA*, RoHS,SVHC, PSE,CCC, ETL,EMC Class A | CE,UKCA, EMC ClassA*, RoHS,SVHC, PSE,CCC, ETL,EMC Class A | CE,UKCA, EMC ClassA*, RoHS,SVHC, PSE,CCC, ETL,EMC Class A | CE,UKCA, EMC ClassA*, RoHS,SVHC, PSE,CCC, ETL,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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and parameters without further notice.