

Brilliant Indoor Display

- Striking contrast ratio to showcase a variety of engaging content
- Hospitality, sportsbooks, retail, and live productions
- Higher stability, reliability, and brightness



STUNNING VISUAL EXPERIENCE

- Wider viewing angle, 170° horizontally and vertically
- Pixel-by-pixel calibration technology guarantees higher color fidelity and uniformity

ENERGY EFFICIENT PERFORMANCE

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

FIELD PROVEN DURABILITY

- Anti-static and anti-corrosion with double layer of protection
- Moisture-proof and dust-proof
- Longer lifetime with minimal maintenance



The VB DIAMOND™ delivers an extremely high contrast ratio of 20,000 to 1 for rich, detailed content that will inspire awe from its viewers. Its anti-stress, durable design means a longer lifetime in your casino sportsbook, stage production, or convention space.

VB DIAMOND

VB DIAMOND 1.2	
Physical Pitch (mm)	1.2
Pixel Configuration	Flip-chip RGB LED (COB)
Pixel Density	640,000 pixels/m ² 115,200 pixels/panel
LED Module Dimensions (mm)	200 x 150
Panel Dimensions (WxHxD, mm)	400 x 450 x 49*
No. of Modules Per Panel (WxH)	2 x 3
Physical Resolution of Module (WxH)	160 x 120
Physical Resolution of Panel (WxH)	320 x 360
Weight per Panel (kg/panel)	6.2
Processing (bit)	16
Colors	281 trillion
Contrast Ratio	20,000 : 1
Average Power Consumption (w/panel)	38 - 63
Max. Power Consumption (w/panel)	126
Operating Temp/Humidity	-10 - 40°C / 10 - 60%
Storage Temp/Humidity	-30 - 60°C / 10 - 60%
Brightness (nits)	1,000 - 1,200
Refresh Rate (Hz)	1,920 - 3,840
Horizontal Viewing Angle (°)	170
Vertical Viewing Angle (°)	170
Expected LED Lifetime (hours, Max.)	100,000
Max. Stacking (panels)	12
Servicing	Front
IP Rating	IP65/IP30
Certification	CE, EMC, ClassA, ETL, RoHS

*The specification will be different based on configuration.
Other physical pixel pitches available.

TYPICAL APPLICATIONS		
Casino	Hotel Lobby	Window Display
Retail Shopping	Architecture Design	Bar & Nightclubs
Sportsbook	Arena	Convention & Exhibit Space
Theater Stage Design	eSports	Security



Easily configured into 1080P / 2K / 4K / 8K resolution without size limitations. The possible configurations of the VB Diamond are only limited by your imagination.



The VB Diamond's higher brightness and wider viewing angle provide an excellent watching experience from any seat in the house.