

Inspur Flip COB Indoor LED Splicing Screen

Models: IV6306B (Virtual Pixel) IV6307B IV6309B
IV6309B (Virtual Pixel) IV6312B IV6315B



> Flip-Chip COB Mounting Process

Fully inverted mounting of R, G, B light-emitting chips, micrometer-level pixel arrangement, efficient mounting process, no light leakage, stable and reliable quality



> 16:9 Standard Resolution

16:9 golden ratio, point-to-point matching 2K/4K/8K+ HD large screen



P0.9 COB Product Example
An 8K UHD large screen can be formed by assembling 12*12 standard 16:9 die-cast aluminum cabinets

> Extreme Detail Display

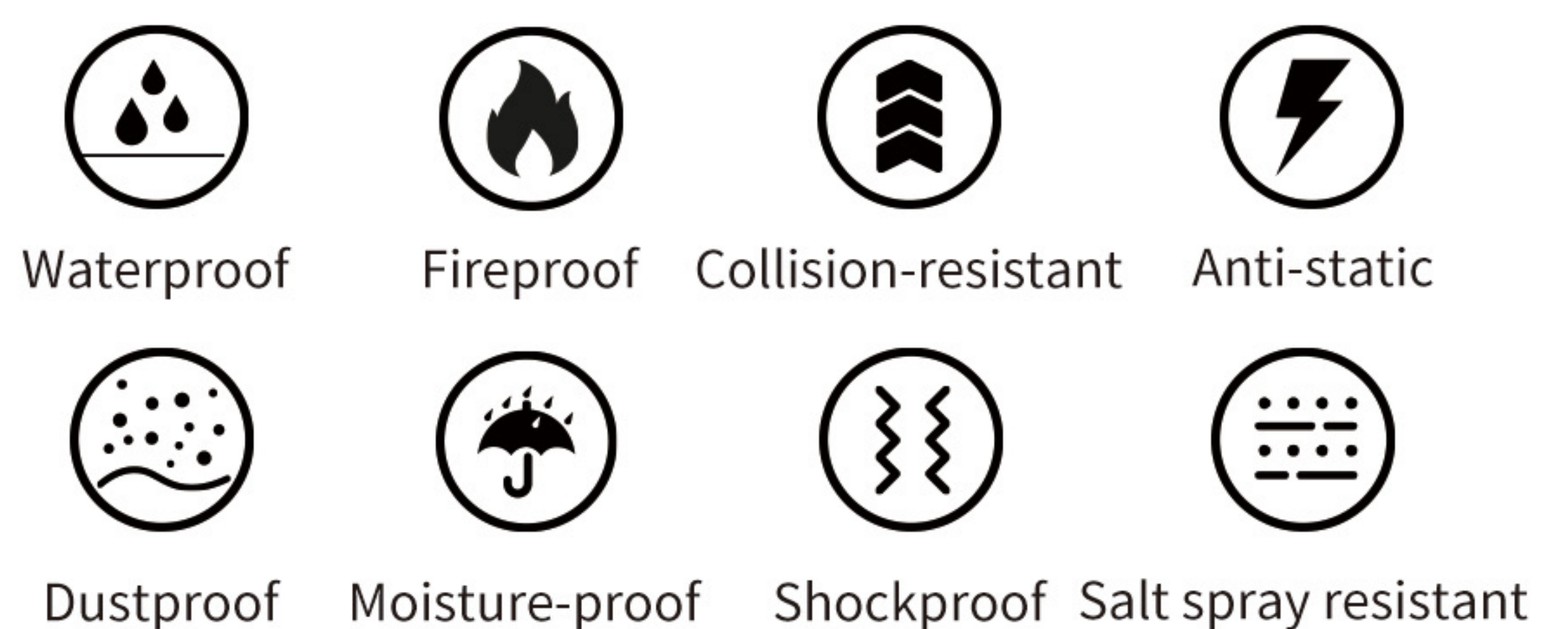
- 16bit gray level processing, the screen transition is natural and delicate
- Maximum Brightness $\geq 1000 \text{ cd/m}^2$, 256 level accurate Brightness adjustment
- Low brightness and high gray, accurate restoration of details



16bit Grayscale Effect



Normal Grayscale Effect



> Cinema Quality Display

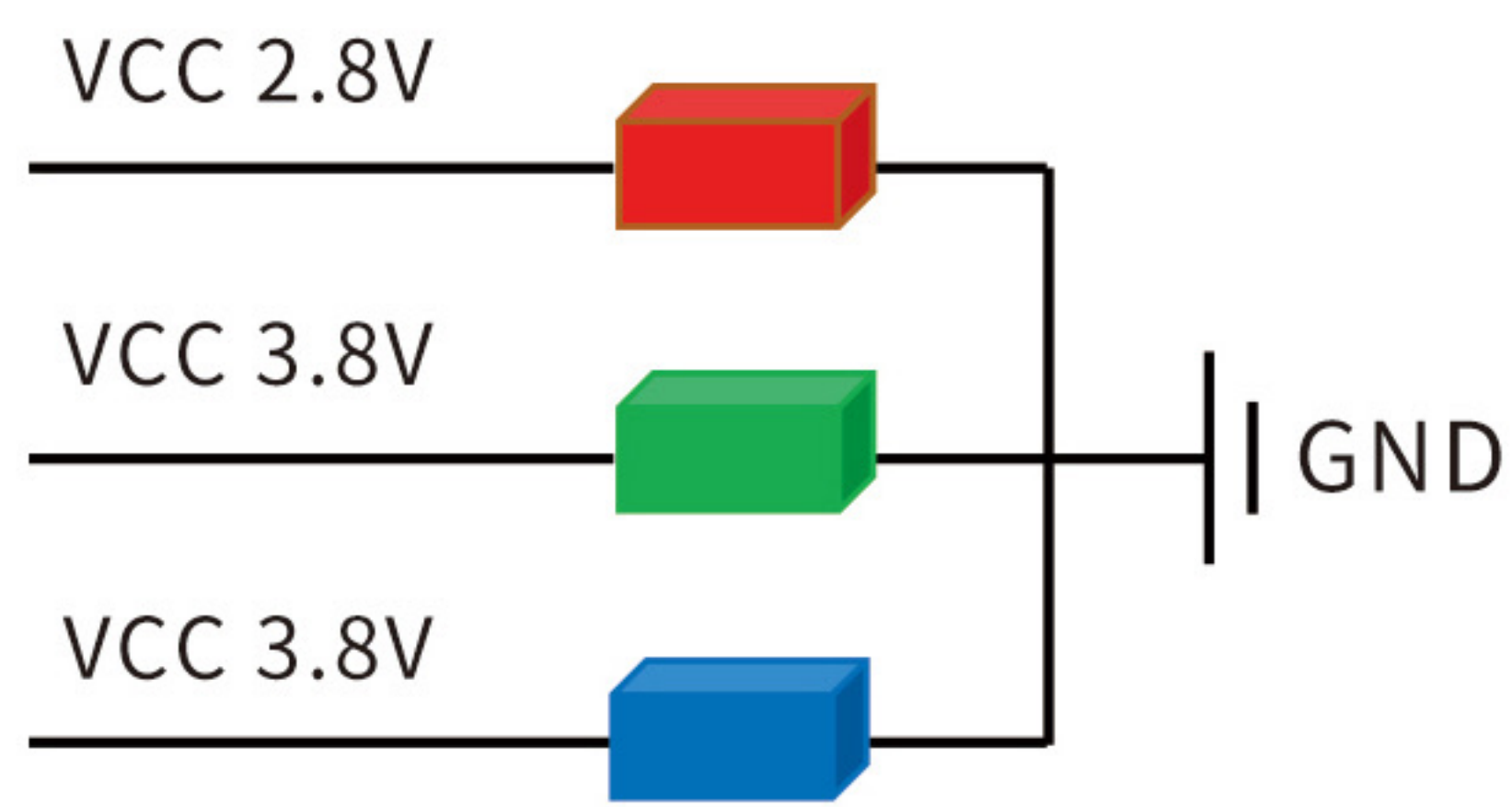
- $\geq 115\%$ NTSC ultra-wide color gamut, broadcast cinema quality playback
- Support HDR image processing algorithm, enhance dark and bright details, make the picture of light and dark levels and details more colorful

> IP65 Surface Protection

- Front protection level IP65
- Waterproof, moisture-proof, dustproof, bump resistance, product service life greatly improved

> Common Cathode Energy-saving

Common cathode chip architecture, precisely distributes the power supply voltage for R, G, and B, reducing energy consumption by 30%, lowering the temperature by 25%, and bringing the screen temperature close to human body temperature



> High Refresh

- High performance PWM driver IC, nanosecond response speed, screen refresh rate ≥ 3840 Hz, with no frame loss latency issues
- The image is delicate and realistic, with vivid colors, and there are no moire patterns or scanning lines during filming

> Application Scenarios



Data Center



Digital Enterprise



Meeting Rooms



Entertainment Shows



Sports Events



Pavilion

> Wide Viewing Angle

Ultra-wide 170° viewing angle, providing a central viewing experience from any angle



Product Parameters

	Model	IV6306B (Virtual Pixel)	IV6307B	IV6309B	IV6309B (Virtual Pixel)	IV6312B	IV6315B	
Module	Pixel Structure	Flip-lamp COB						
	Pixel Pitch (mm)	0.62	0.78	0.93	0.93	1.25	1.56	
	Module Size (W×H)(mm)	150×168.75					300×168.75	
	Module Resolution(W×H)	120×135	192×216	160×180	80×90	120×135	192×108	
	Pixel Density(dot/m ²)	640000	1638400	1137777	284444	640000	409600	
	Circuit Solution	Common cathode	Common cathode	Common cathode Common anode	Common anode	Common cathode Common anode	Common anode	
	Cabinet	Unit Size(W×H×D)(mm)	600×337.5					
Cabinet Resolution(W×H)		480×270	768×432	640×360	320×180	480×270	384×216	
Unit Weight (kg)		4	4	4	4	4	4	
Maintenance Type		Front Maintenance (rear maintenance customizable)						
IP Rating		IP65 (Front)						
Flatness (mm)		≤0.15						
Optical Parameters		Pixel-by-Pixel Calibration	Supported					
	Flash Storage Function	Supported						
	Brightness (cd/m ²)	600	600/800	600/800/1200	600	600/800/1200	600	
	Color Temperature (K)	9000 (Adjustable from 3000K to 10000K)						
	Viewing Angle	Horizontal: 160° / Vertical: 160°						
	Contrast Ratio	10000:1 (15000:1 optional)						
Electrical Parameters	Maximum Power Consumption (W/m ²)	350						
	Average Power Consumption (W/m ²)	110						
	Operating Voltage	AC 100 ~ 240 V (50/60 Hz)						
	Frame Rate	50/60 Hz						
	Refresh Rate (Hz)	3840 (7680 optional)						
	Gray Scale (bit)	14 (16bit optional)						
Usage Specifications	Typical Lifetime (h)	≥100000						
	Operating Temperature/ Humidity	-10°C ~ 45°C / 10% ~80%RH (no condensation)						
	Storage Temperature/ Humidity	-20°C ~ 55°C / 10% ~ 85%RH (no condensation)						

Note: The above parameters are for reference only and are not the basis for final delivery. The product can be customized according to requirements

INSPUR INTELLIGENT TECHNOLOGY CO., LTD.

Website: <https://en.inspur.com>

Official Email: IITOS@inspur.com

Address: No. 1036, Langchao Road, Gaoxin District, Ji'nan City, Shandong Province



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