Inspur COB Indoor LED Display

inspur

> 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

8KDisplay
7680*4320

4KDisplay
3840*2160

2KDisplay
1920*1080

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

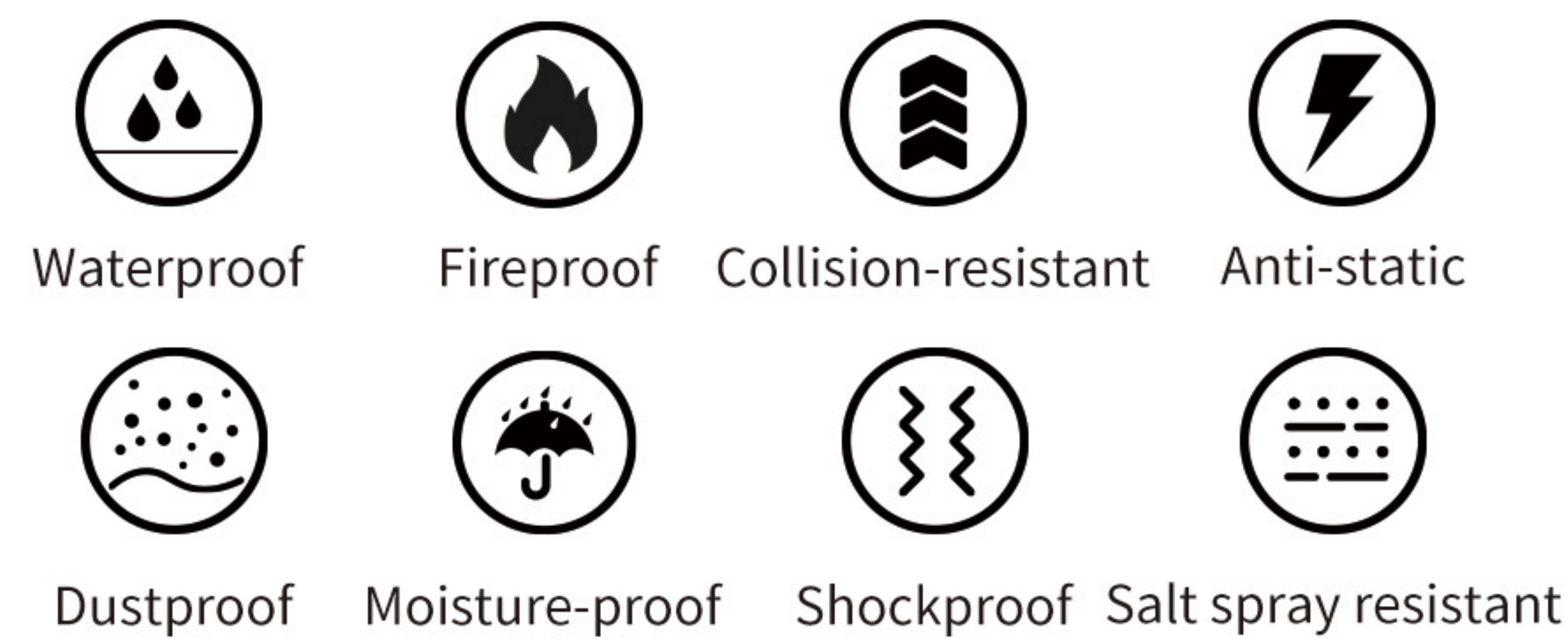## > Extreme Detail Display

· 16bit gray level processing, the screen transition is natural and delicate
· Maximum Brightness ≥ 1000 cd/㎡, 256 level accurate Brightness adjustment
· Low brightness and high gray, accurate restoration of details

16bit Grayscale Effect   Normal Grayscale Effect

| Waterproof | Fireproof | Collision-resistant | Anti-static |
| Dustproof | Moisture-proof | Shockproof | Salt spray resistant |

> Cinema Quality Display

· ≥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
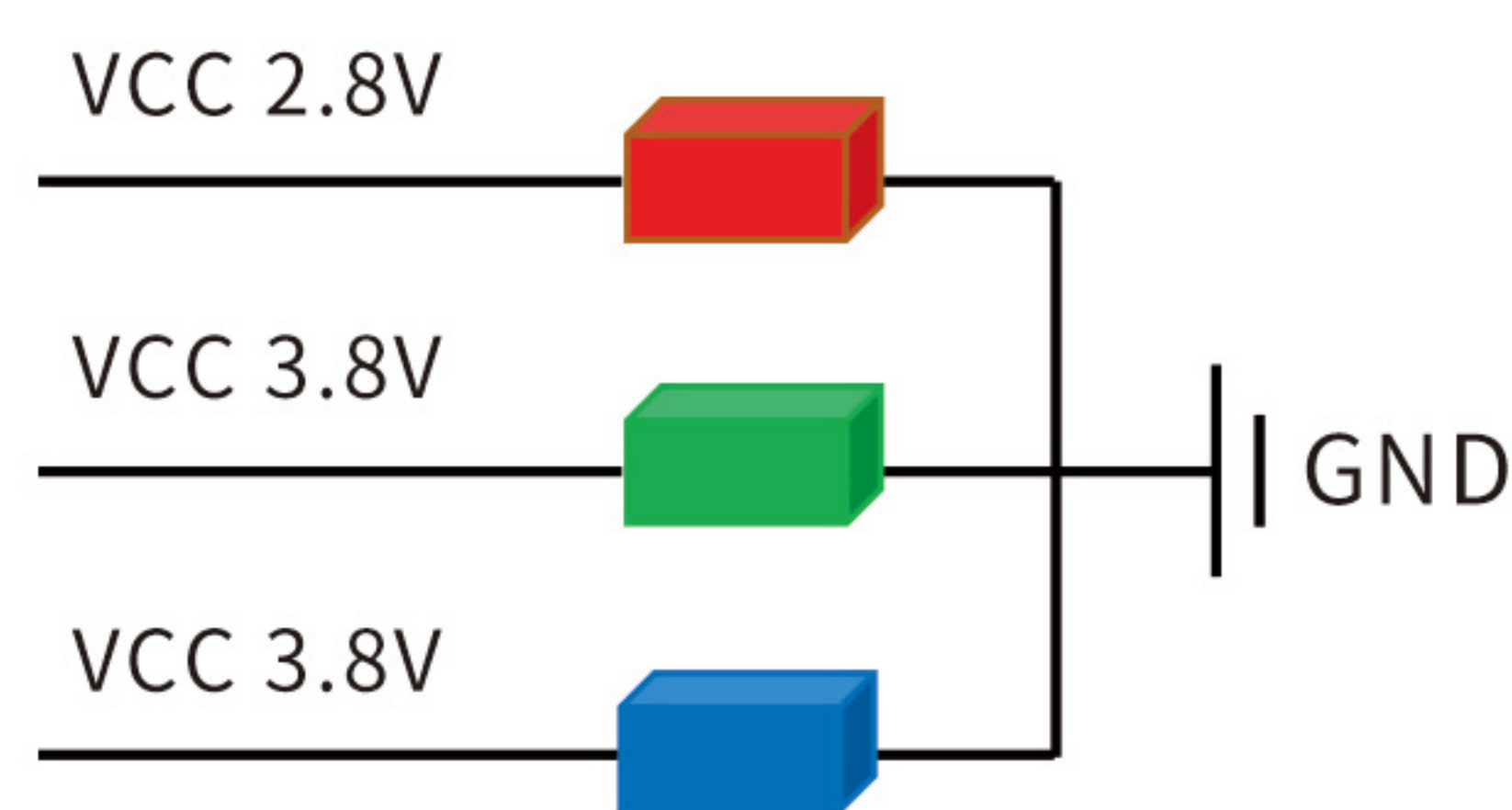
> IP65 Surface Protection

· 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

VCC 2.8V

VCC 3.8V

VCC 3.8V

GND

37℃

> 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

FHD
ISO 100

> 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

170°

Product Parameters

	Model	LED Display Terminal	IV6307B	IV6309B	IV6312B	IV6315B	IV6318B
Module Composition	LED Packaging		Flip COB				
	Pixel Pitch (mm)		0.78	0.9375	1.25	1.5625	1.875
	Module Resolution (W×H)		192×216	160×180	120×135	96×108	80×90
Cabinet	Pixel Density (dots/m²)		1638400	1137777	640000	409600	284444
	Module Resolution (W×H)		768×432	640×360	480×270	384×216	320×180
	Unit Size (W×H×D) (mm)		600×337.5×38				
	Unit Weight (kg)		4.3				
	Maintenance Method		Front Maintenance				
	Protection Level		IP65 (Front)				
	Cabinet Material		Die-cast Aluminum				
Optical Parameters	Brightness (cd/㎡)		0-1000 Adjustable (Default600)				
	Color Temperature (K)		3000-10000 Adjustable				
	Viewing Angle (H/V)		170°/ 170°				
	Brightness Uniformity		≥97%				
	Color Gamut		≥115%				
	Contrast		≥10000:1				
Electrical Parameters	Peak Power Consumption (W/m²)		≤350				
	Average Power Consumption (W/m²)		≤112				
	Power Supply Requirements		AC 100-240V (50/60Hz)				
Processing Performance	Scan count		64	54	60	54	45
	Frame Change Frequency (Hz)		50/60				
	Refresh Rate (Hz)		3840				
	Processing Depth (bits)		16				
Operating Parameters	Lifespan Typical Value (h)		≥100000				
	Operating Temperature/ Humidity Range		-10℃–40℃ / 10%-90%RH (No Condensation)				
	Storage Temperature/ Humidity Range		-20℃–60℃/ 10%-90%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

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