HiSeaVis COB Standard LED Panel

VA55-1.2 Product Specification V1.0

Single Panel & Modules	Nominal panel diagonal	55 in
	Pixel pitch	1.2625 mm
	Panel dimensions (W × H × D)	1212 × 681.75 × 39 mm
	Native panel resolution (W × H)	960 × 540 px
	Panel aspect ratio	16:9
	Module layout (W × H)	8 × 2
	Module dimensions (W × H)	151.5 × 340.875 mm
	Module resolution (W × H)	120 × 270 px
	LED technology	COB
	Pixel configuration	1R1G1B
	Single-panel weight	19 kg
	Panel material	Die-cast aluminum
	Panel flatness	<0.1 mm
	Module flatness	<0.1 mm
	Module connection and adjustment	Direct connectors with three-axis adjustment
	Installation	Indoor fixed installation with wall-mount support
	VESA mounting pattern	400 × 400 mm
	Service access	Full front service with hot-swap support
	Cooling	Fanless
Display Performance	Brightness (6500 K full white)	1,000 cd/m²
	Viewing angle (H / V)	170° / 170°
	Maximum contrast ratio	20,000:1
	Grayscale	22 bit
	Frame rate	60 fps
	Refresh rate	3,840 Hz
	Color temperature	3,000–9,300 K, adjustable
	Brightness adjustment	Manual / automatic / program-controlled
	Pixel-level calibration	Brightness and chromaticity

Project specifications are subject to the agreed contract.

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Control & Signal	Drive method	Constant current, 1/45 scan
	Control mode	Synchronous control
	Signal input	Network cable input to sending card
	Signal transmission	Cat 5e cable; use fiber beyond 100 m
	Redundancy support	Supports redundant receiving cards and power supplies
	Module parameter storage	On-module flash; settings read after module replacement
Power & Environment	Input voltage	100–240 V AC (50–60 Hz)
	Power draw (peak / average)	⩽330 W/m² / ⩽110 W/m²
	Continuous operation	⩾7 × 24 h of uninterrupted display
	Mean time between failures	⩾10,000 hours
	LED lifetime	100,000 hours
	Operating temperature / humidity	-10 to 50 °C / 10%–80% RH (non-condensing)
	Storage temperature / humidity	-20 to 60 °C / 10%–90% RH (non-condensing)
Native Tiled Resolution	2 × 2 (approx. 110 in)	1920 × 1080 px
	3 × 3 (approx. 165 in)	2880 × 1620 px
	4 × 4 (approx. 220 in)	3840 × 2160 px

Inch sizes are nominal diagonals. Native resolution assumes identical whole panels, without scaling.
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