



**VISUAL
MAGIC
WORLD**
维曼

P0.6 Indoor COB Small-Pitch Display (Die-Cast Aluminum Housing)

Specification

Luminescent Chip Parameters

Item No.	Colour	Luminous Intensity	Primary Wavelength	Remarks
1	Red (Test conditions: 5mA, 2.0V)	22mcd	620nm	Chip wavelength and brightness are typical values
2	Green (Test conditions: 2mA, 3.0V)	38mcd	520nm	
3	Blue (Test conditions: 2mA, 3.0V)	5mcd	470nm	

Pixel Point Parameters

To achieve optimal white balance colour matching, the required brightness ratio for each colour is **R:G:B = 3:6:1**.



LED Type

COB 3 in 1

Point Spacing

0.62mm

Pixel Composition

1R1G1B

Power Supply

Common Cathode

Module Specifications

Module Resolution (width × height)

240 × 270 pixels

Module Dimensions (width × height)

150 × 168.75 mm

Cabinet Specifications

Cabinet Resolution (width × height)

960 × 540 / 960 × 1080 px

Module Distribution (width × height)

4 × 2

Flatness between Modules

≤0.1mm

Cabinet Size (width × height × thickness)

600 × 337.5 × 39.5 mm
600 × 675 × 39.5 mm

Weight

4 kg / 7.9 kg per cabinet
21 kg/m²

Installation Method

Rear-frame / Hanging
/Inner-curve



Screen Technical Parameters

Parameter	Specification
Point Density	2560000 points/ m ²
Brightness (white field colour temperature 6500K)	100cd to 600cd/ m ² adjustable
Horizontal Perspective / Vertical Perspective	≤178°
Flatness	≤0.1mm
Chromaticity Uniformity	≥98%
Highest Contrast Ratio	10000:1
Protection Level	IP54

System Control Parameters

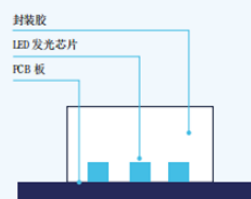
Parameter	Specification
Signal Colour Processing Bit Depth	Red, green, blue each ≥16bit
Driving Method	Constant current drive
Frame Change Frequency	60 frames/second High refresh supports 3D: 120 frames/second
Refresh Rate	≥3840Hz
Screen Colour Temperature	Adjustable from 1000K to 9500K
Brightness Adjustment	Manual / Automatic / Programme Control
Pixel Correction	Equipped with brightness and chromaticity point-by-point correction
Control Method	Synchronous control

Control Distance	Category 6 twisted pair cable, use optical fibre transmission for distances exceeding 80 metres
Software Interface	Windows XP / 7 / 8 / 10
Signal Input	HDMI, DVI, DP

Screen Operating Parameters

Parameter	Specification
Operating Voltage	AC : 110V~240V、50~60Hz
Peak Power	$\leq 475\text{W/m}^2$
Average Power	285W/m^2 to 380W/m^2
Continuous Operating Time	$\geq 7 \times 24$ hours, supports continuous uninterrupted display
Average Time Between Failures	$\geq 10,000$ hours
LED Lifespan	100,000 hours
Discrete Out-of-Control Points	≤ 0.0001 , 0 at factory
Continuous Out-of-Control Points	0
Blind Spot Rate	≤ 0.0001 , 0 at factory
Operating Ambient Temperature	-10°C to 60°C
Operating Ambient Humidity	10% to 90% RH, non-condensing
Screen temperature rise (using operating status)	≤ 45 degrees

Inverted COB Packaging Process



Micro - 倒装COB

Micro LED: 即“微”LED, 该显示技术结构设计薄膜化、微小化与阵列化, 发光单元尺寸 μm 等级, 适合更小间距、高度密度显示应用。