

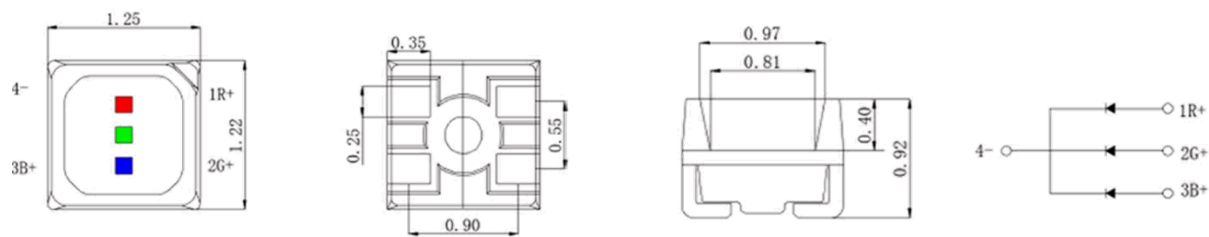


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PCV1.56-Y Surface-Mounted LED Display (Die-Cast Aluminum Enclosure)

Specification

LED Chip Parameters



Item No.	Colour	Minimum	Average	Remarks
1	Red (Test conditions: 8mA, 2.0V)	32	38.5	1212 copper wire lamp bead
2	Green (Test conditions: 5mA, 3.0V)	110	135	
3	Blue (Test conditions: 3mA, 3.0V)	14	16.7	

Pixel Point Parameters

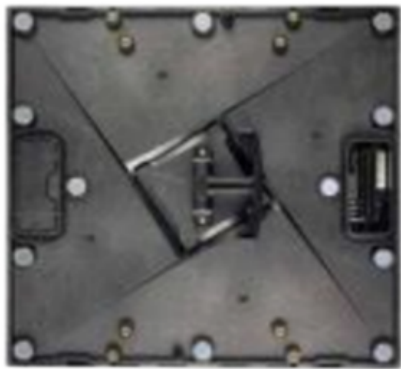
To achieve optimal white balance colour matching, the required brightness ratio for each colour is **R:G:B = 3:6:1**.



LED Type SMD1212	Point Spacing 1.56mm	Pixel Composition 1R1G1B
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Module Technical Parameters

Module Resolution (width × height) 160 pixels x 160 pixels	Module Dimensions (width × height) (Width) 250mm × (Height) 250mm	Face Shield Nothing
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Box Technical Parameters

Box Resolution (width × height) 320 pixels x 320 pixels/ 320 pixels x 640 pixels	Module Distribution (width × height) 2×2/2×4	Flatness between Modules ≤0.1mm
Box Size (width × height × thickness) 500mm×500mm×76mm/ 500mm×1000mm×76mm	Weight 8.2Kg/12.5Kg/box 32.8Kg/ m ²	Installation Method Back frame installation/ lifting/inner arc installation/ rear maintenance



Screen Technical Parameters

Parameter	Specification
Point Density	409600 points/m ²
Brightness (white field colour temperature 6500K)	800cd~1000cd/m ² adjustable
Horizontal Perspective / Vertical Perspective	≥ 140° / ≥ 120°
Flatness	≤0.1mm
Chromaticity Uniformity	≥98%
Highest Contrast Ratio	≥5000:1
Protection Level	Front IP20, Back IP41

System Control Parameters

Parameter	Specification
Signal Colour Processing Bit Depth	Red, green, blue each ≥16bit, 16bit
Driving Method	High grayscale constant current source driver IC
Frame Change Frequency	60 frames/second
Refresh Rate	≥3840Hz
Screen Colour Temperature	Adjustable from 2000K to 12500K
Brightness Adjustment	Manual / Automatic / Programme Control
Pixel Correction	Equipped with point by point correction for brightness and chromaticity
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

Screen Operating Parameters

Parameter	Specification
Operating Voltage	AC : 110V~240V、 50~60Hz
Peak Power	$\leq 680\text{W/m}^2$
Average Power	150W/m ² to 260W/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	-20°C~50°C
Operating Ambient Humidity	10%~80%RH, No condensation

 **Note:** The parameter indicators may vary depending on the specific situation of the project (the product shall be subject to the submitted contract specifications)