LED Product specification

LC15SNP186

YunYing Series

LED Module

Inspur YunYing series LED indoor small-pitch modules support advanced HDR digital image technology with high brightness, high contrast and ultra-wide viewing angle, which can get quality display effect at all angles, high reliability and long service life.

Product features

- Fine and realistic display image, stable and uniform brightness, no flicker, no graininess
- Nano-scale response, no ghosting and trailing phenomenon
- Uniform ink color, good consistency
- 3840Hz ultra-high refresh frequency, the screen display is delicate and smooth
- Broadcast-grade grayscale processing display, image details are richer
- Ultra-wide viewing angle, the viewing angle can reach more than 140 °.
- Can be modeled in any direction size splicing, the screen uniformity without splices

Product specification

Model	LED module	LC15SNP186
Composition	Pixel Composition	1R1G1B
	LED package	SMD1515
	Pixel Pitch (mm)	1.86
	Module Resolution (W×H)	172×86
	Module size (W×H) (mm)	320×160
	Module Power Consumption	≤30W
	Module Input Voltage	4.5V～ 5V
optical parameter	Single-point brightness correction	Support
	Single-point ChromaticityCorrection	Support
	Brightness (cd/m2)	≥500
	Color temperature (K)	6500 (2000K～ 9300K adjustable)
	Viewing angle	horizontal140°/ vertical140°
	Center distance deviation of light	＜3%
	Brightness/chromaticity uniformity	≥97%
	Contrast	5000:1
Electrical parameters	Peak power consumption (W/m2)	≤600
	Average power consumption (W/m2)	≤195
	Power supply requirements	AC186～264V, 47～63（Hz）
Processing performance	Driving method	Constant current driving with 1/43 scanning
	Frame change frequency	50/60Hz
	Refresh rate (Hz)	1920/3840
	Gray scale level	16384
	Processing depth (bits)	14
	Brightness Control	Manual / Automatic / Program Control
Usage Parameters	Lifetime typical (h)	≥50000
	Interface Type	HUB75E interface
	Operating Temperature/Humidity Range	-20℃–40℃ / 10%-65%RH (No condensation)
	Storage Temperature/Humidity Range	-20℃–40℃ / 10%-65%RH (No condensation)

PRODUCT SIZE

Note: The above parameters are typical values of the products:

1、 the above parameters are typical values of the product, different batches of products will have different changes, the actual parameters of the product to the product's factory inspection report shall prevail.

2、 in the product production process will continue to optimize the product and iteration, product specifications will be adjusted at any time, before purchasing to the regional agent for consultation.

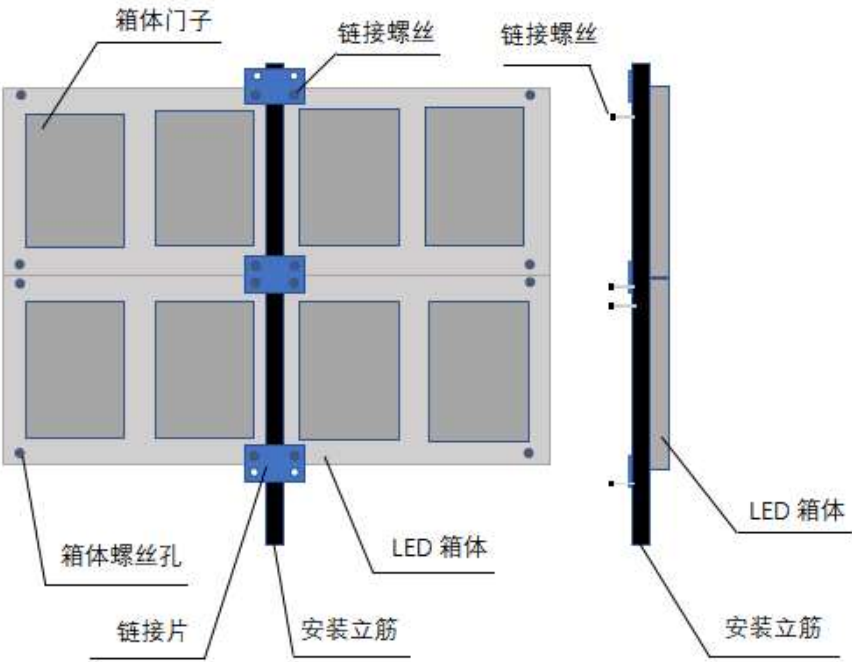3、 For customized products, the specifications need to be re-exported.

Signal Interface Definition

HUB75Einterface

Pin	Signal	Function	Pin	Signal	Function
1	R1	Red Data Signal	2	G1	Green Data Signal
3	B1	Blue Data Signal	4	GND	Power Ground
5	R2	Red Data Signal	6	G2	Green Data Signal
7	B2	Blue Data Signal	8	GND	Power Ground
9	A	Line Decode Signal	10	B	Line Decode Signal
11	C	Line Decode Signal	12	GND	Power Ground
13	CLK	Clock Signal	14	LAT	Latch signal
15	OE	Enable Signal	16	GND	Power supply ground

Installation Diagram

➢ Cabinet Installation

Back view   Side view

➢ Module Magnetic Installation