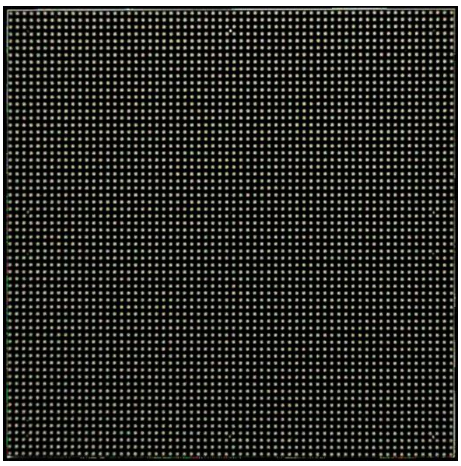
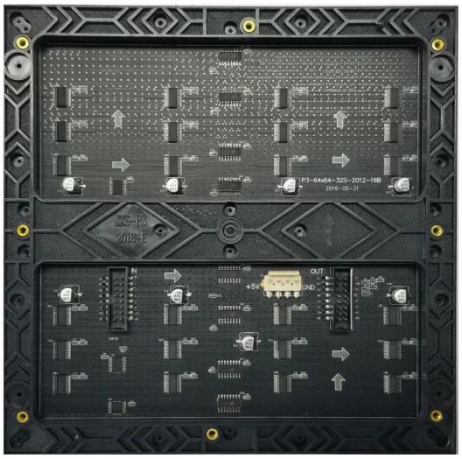
DP-N307GC

Indoor P3 Full-Color LED Module





Description

The DP-N307GC Indoor P3 Full-Color LED Module is a high-performance LED module featuring 3mm pixel pitch, 64×64 resolution, and 16-bit constant current driving. It delivers vivid, smooth visuals with wide viewing angles and supports brightness and color calibration for consistent, long-lasting indoor display performance.

Features

- With a 3mm pixel pitch and 64×64 resolution, it delivers sharp, detailed visuals ideal for indoor viewing.
- Full-color module provides vibrant, true-to-life colors, supporting brightness and color calibration for consistent display.
- 16-bit constant current driving with 1/32 scan mode for smooth, flicker-free images.
- Supports wide 170° viewing angle, ensuring excellent visibility from multiple perspectives.
- Compact and lightweight design for easy installation and flexible configurations.

Specifications

LED Specifications (For reference only. Specifications may vary by shipment batch) (T=25℃)

Model	Color	IF (mA) TEST	Rd (nm) Typ	Iv (mcd) Typ	Vf (V) Typ	View Angle (deg.)
SMD2121	Red	15	620	50	2.0	110
	Green	10	525	170	3.0	110
	Blue	8	470	23	3.0	110

Model	DP-N307GC
Pixel Pitch	3mm
Pixel Density	111111 dots/㎡
Module Resolution	64×64 pixels (W×H)
Module Dimensions	192×192×14.2mm (W×H×D)
Module Weight	Approximately 290g
Driving Method	16-bit constant current
Scan Mode	1/32
Operating Voltage	DC5V±10%
Maximum Current	3.5A (typical) ①
Maximum Power Consumption	17.5W (typical) ②
Power Interface	VH4
Signal Interface	HUB75D (IDC16)
Maximum Brightness	≥800cd/㎡
Color Temperature	1000-20000K (adjustable)
Viewing Angle	170°
Optimal Viewing Distance	≥3m
Gray Scale	≥14-bit
Brightness & Color Calibration	Support
Refresh Rate	≥3000Hz③
Operating Environment	Indoor
Brightness Adjustment Range	0-255 (adjustable)
Typical Lifespan	100,000 hours
Operating Temperature	-20℃~60℃
Operating Humidity	10%-90%RH, non-condensing
Storage Temperature	-40℃~80℃

Notes: ① ② Values depend on LED brightness and are for reference only. ③ Refresh rate is achieved using PWM-driven chips, ≥3000Hz.