

Display Solution
Straight LED Module



We Shine Your Way To Success

Straight LED Modules offer exceptional clarity and vibrant colors, perfect for creating stunning displays in any environment. Designed for *indoor* use, they ensure seamless visuals with high brightness and durability.

Available Pixel Pitch :

P1.56 | P1.86 | P2.0 | P2.5 | P3.0

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Straight Module

P1.56 | P1.86 | P2.0 | P2.5 | P3.0

The LED display module is the core of an LED display system, comprised of several essential components such as LEDs, resistors and capacitors, PCB board, driver IC, connection pins and accessories such as cables, rings, screws, etc. They offer high-clarity visuals, making it possible to display text, images, videos and documents with great precision and brightness.



Premium LED Chips

Nationstar, Kinglight



High Refresh Rate

3840Hz
flicker-free visuals



Top Driver ICs

ICN2038S, ICN2153,
2037, 6363



Wide Viewing Angle

160° for maximum
coverage



High Contrast

5000:1 for vivid,
detailed images



Long Lifespan

10,000+ hours of
stable performance



Crystal-Clear Image Quality

- Effortless Installation & Maintenance
- Perfect for Advertising, Events and Digital Signage

Product Details



High Contrast



Pure Black
LED



5000:1



14Bit



High Refresh Rate

- High Refresh Rate with 3840Hz
- No scan line when camera shooting

Product Parameters

P1.56 P1.86 Straight Module

Pixel Pitch	1.56 mm		1.86 mm	
Resolution (Width x Height)	204 x 102 pixels		172 x 86 pixels	
Pixel Density (pixels/m²)	409,600		291,300	
LED Configuration	SMD 3-in-1			
Module Size	320 mm x 160 mm			
Brightness	≥600 - 800 nits (adjustable)			
Viewing Angle	Horizontal: 160° / Vertical: 160°			
Color Depth	16-bit			
Refresh Rate	≥3840 Hz			
Color Temperature	3000K-9500K (adjustable)			
Driving Method	1/32 Scan			
Input Voltage	DC 4.2-5V			
Power Consumption	Max: 30 W/module / Avg: 15 W/module			
Power Supply Efficiency	≥85%			
Weight	~0.35 kg/module			
Module Thickness	≤27 mm with Magnet			
Operating Temperature	-10°C to +40°C			
Protection Grade	IP20 (indoor use)			
Input Signal	HDMI, DVI, DP (via controller)			
Control System	Compatible with Novastar, Colorlight			
Lifespan	>100,000 hours under proper usage conditions			
Ultra-Thin & Lightweight	Designed for creative indoor installations			
Easy Installation	Magnetic backing and modular design for seamless assembly			
Additional Features				

Product Parameters

P2.5, P3.0 Straight Module

Pixel Pitch	2.5 mm		3.0 mm	
Resolution (Width x Height)	128 x 64 pixels		104 x 52 pixels	
Pixel Density (pixels/m²)	160,000		106,500	
LED Configuration	SMD 3-in-1			
Module Size	320 mm x 160 mm			
Brightness	≥600 - 800 nits (adjustable)			
Viewing Angle	Horizontal: 160° / Vertical: 160°			
Color Depth	16-bit			
Refresh Rate	≥3840 Hz			
Color Temperature	3000K-9500K (adjustable)			
Driving Method	1/32 Scan			
Input Voltage	DC 4.2-5V			
Power Consumption	Max: 30 W/module / Avg: 15 W/module			
Power Supply Efficiency	≥85%			
Weight	~0.35 kg/module			
Module Thickness	≤27 mm with Magnet			
Operating Temperature	-10°C to +40°C			
Protection Grade	IP20 (indoor use)			
Input Signal	HDMI, DVI, DP (via controller)			
Control System	Compatible with Novastar, Colorlight			
Lifespan	>100,000 hours under proper usage conditions			
Ultra-Thin & Lightweight	Designed for creative indoor installations			
Easy Installation	Magnetic backing and modular design for seamless assembly			
Note: All parameters are subject to change without notice. Please refer to the latest technical specifications for detailed information.				

Product Parameters

P2.0 Straight Module

Pixel Pitch	2.0 mm
Resolution (Width x Height)	120 x 60 pixels
Pixel Density (pixels/m²)	250,000
LED Configuration	SMD 3-in-1
Module Size	240 mm x 120 mm
Brightness	≥600 - 800 nits (adjustable)
Viewing Angle	Horizontal: 160° / Vertical: 160°
Color Depth	16-bit
Refresh Rate	≥3840 Hz
Color Temperature	3000K–9500K (adjustable)
Driving Method	1/32 Scan
Input Voltage	DC 4.2–5V
Power Consumption	Max: 30 W/module / Avg: 15 W/module
Power Supply Efficiency	≥85%
Weight	~0.27 kg/module
Module Thickness	≤27 mm with Magnet
Operating Temperature	-10°C to +40°C
Protection Grade	IP20 (indoor use)
Input Signal	HDMI, DVI, DP (via controller)
Control System	Compatible with Novastar, Colorlight
Lifespan	>100,000 hours under proper usage conditions
Ultra-Thin & Lightweight	Designed for creative indoor installations
Easy Installation	Magnetic backing and modular design for seamless assembly
P2.0 Straight Module - High Definition, Ultra-Thin, and Easy to Install	

Multiple Usage



Retail Stores



Mall & Shopping



Show & Event



Museums



Conference