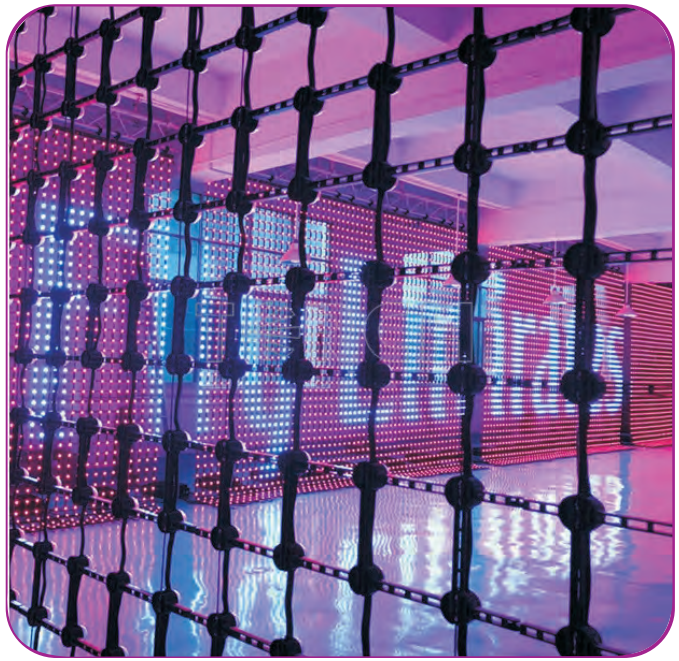
LED Mesh Screen Brochure



Advantage of Flex Mesh Screen Vs Traditional Display

1 High Transparent Rate, Ultra-thin, Ultra Lightweight

The Transparency can reach 50% ~ 90%, not obstructing the natural light, which ensures the original lighting and viewing angle requirements of the glass facade and curtain wall, and has good wind resistance effect.
The screen is thin (only 15mm) and light weight(only 2 ~ 8kg /sqm).

2 Foldable, Arbitrary bending, Without Steel Structure

Flexible & Light Weight, with various shapes, easy to install and maintain. can be freely combined into various shapes to meet the needs of various creative displays.

3 Cost Saving, the price is only 1/5 of the traditional screen

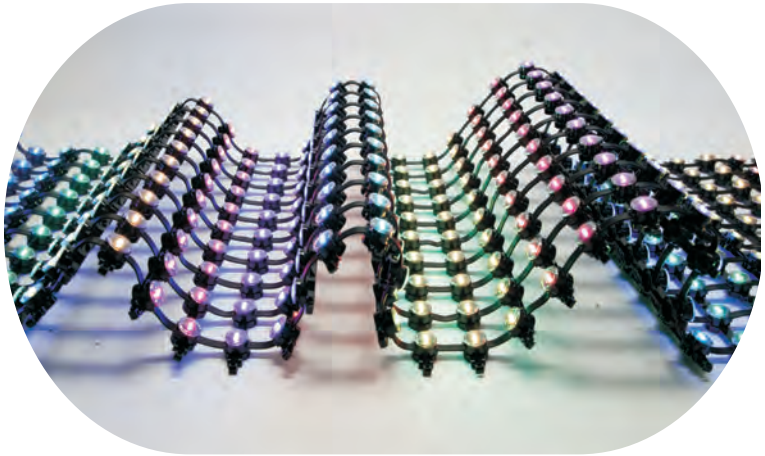
By optimizing the structure, we abandoned the heavy box of the traditional screen, and made targeted improvements in the manufacturing process, packaging and control system. Every individual LED pixel dot is Replaceable, no need to take out a whole string or dismantle any frame structure. After-sale repair has the lowest cost.

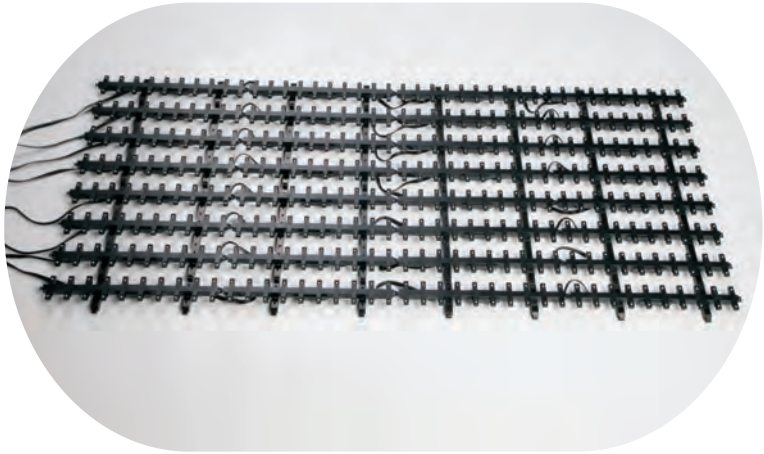
4 Energy Saving & Environmental Protection

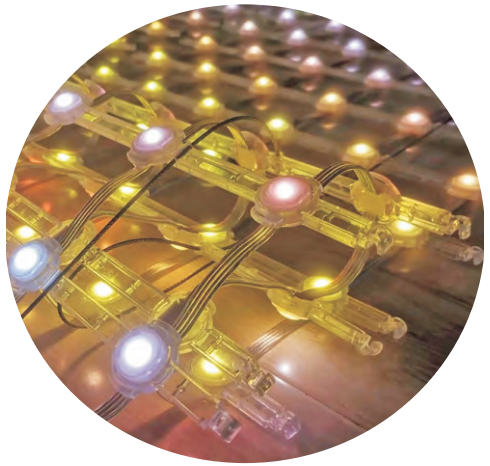
Lower Energy Consumption, the air duct dissipates heat by itself and does not need to be cooled by air conditioning.

5 Fully Customizable Building Media Facade

Can cover any size facade perfectly by adjusting pixel pitch freely. It can get the best solution to match the circumstances instantly!







A series
Transparent Frame

Suitable for Glass Building Facade

P31.25 / P42 / P50
P62 / P70 / P83
P100 / P125

B series
Black Frame

Better contrast, integrate well with the backdrop on Stage.

P31.25 / P42 / P50
P62 / P70 / P83
P100 / P125

H series
H Shaped

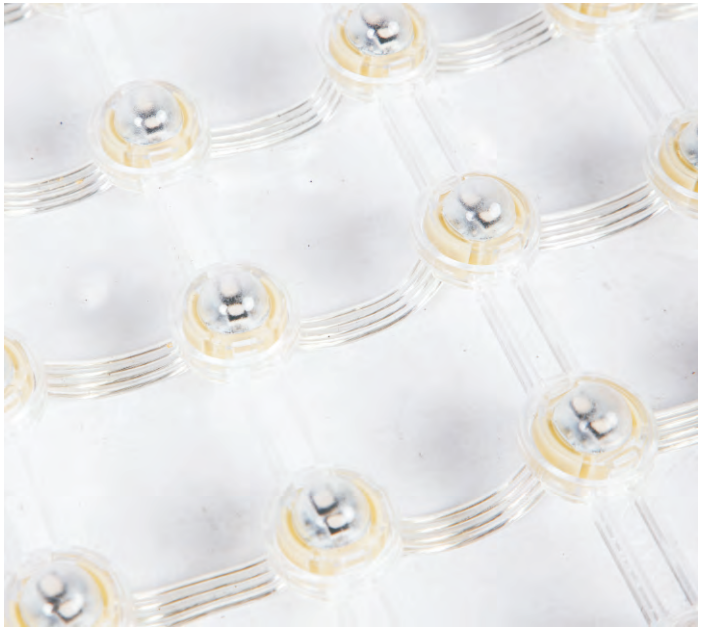
Lighter, Thinner, and having better flatness; its curvature is not as good as the A, B series.

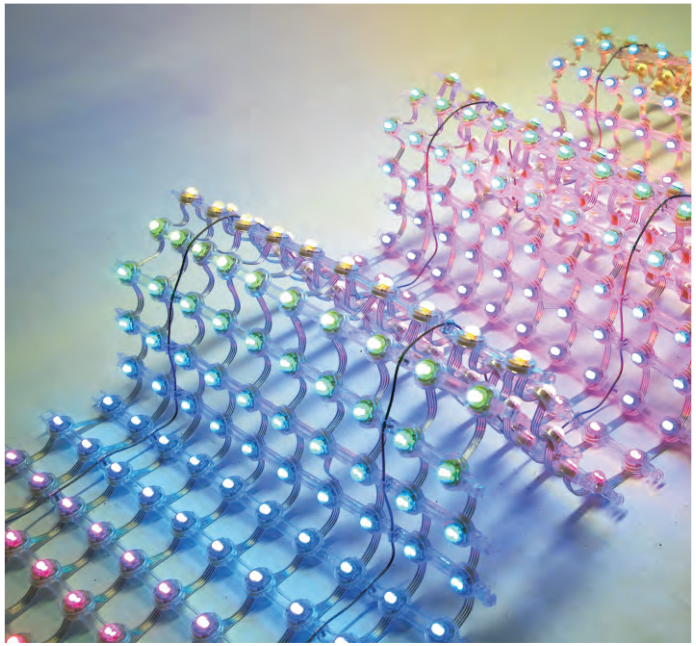
P16 / P31.25 / P50
P62 / P70 / P80
P100 / P115 / P125

Flexible LED Mesh Screen Brief:

Flex Mesh Screen composed of LED Pixel Light, PC Button Strip, 4-Wire Cable, Steel wire and other connect components. It can meet the needs of lighting decoration and used for playing text, images and videos. It's a product with the concept of "Large Pixel Height".
It has incomparable advantages in the field of super large area display and creative display.The Pixel Distance from P15mm to P125mm, and the Area Can be from tens Sqm. to thousands Sqm. It's meet the needs of Stage projects, commercial centers, glass curtain walls, hotels, high-rise building facades and other large-area displays.

High Transparency | Light Weight | IP67 Waterproof | High Contrast | Anti Fire | Anti Glare | No Steel Struct | High Refresh Rate | Low Wind Resistance

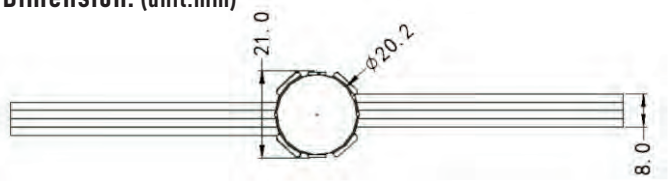


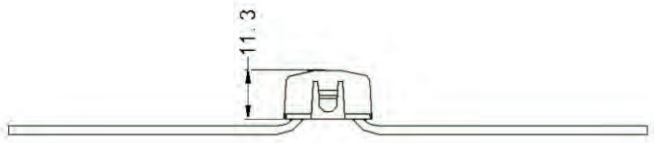


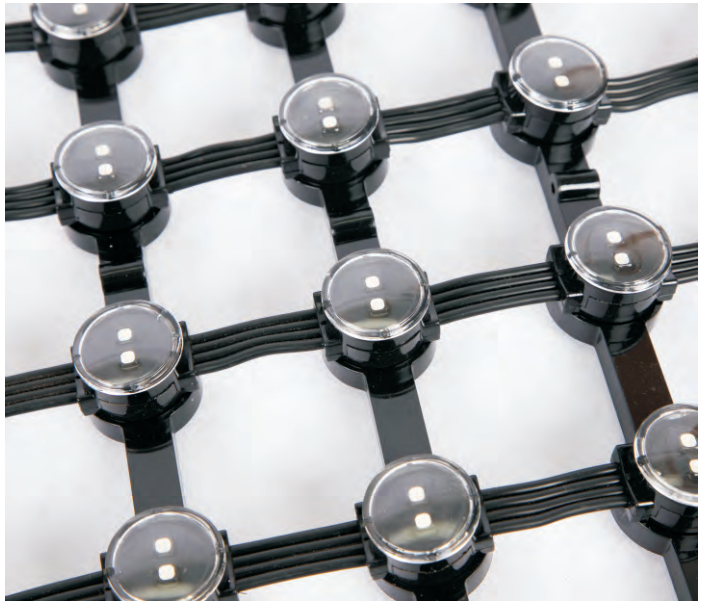
A Series Technical Parameters:

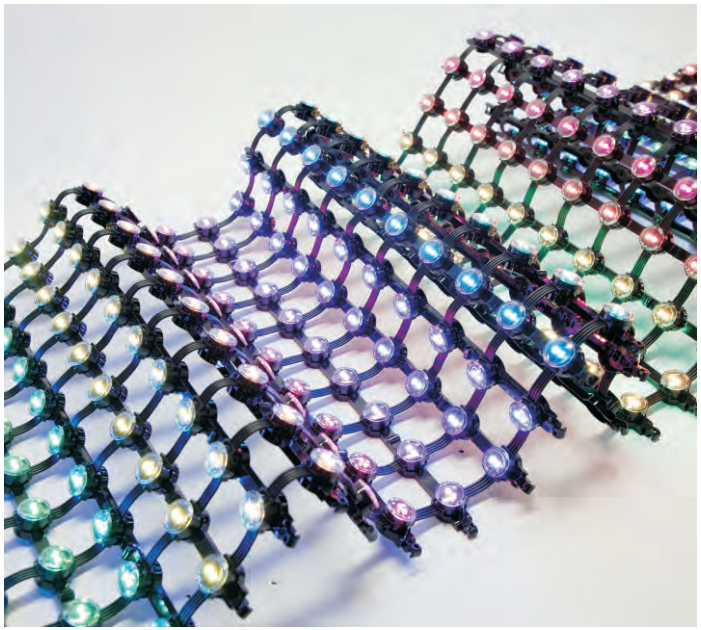
Model	P31-A	P42-A	P50-A	P62-A	P70-A	P83-A	P100-A	P125-A
Pixel Pitch	31.25mm	42mm	50mm	62mm	50*100mm	83mm	100mm	100*150mm
Pixel Density	1024 dot/m²	576 dot/m²	400 dot/m²	256 dot/m²	200 dot/m²	144 dot/m²	100dot/m²	66 dot/m²
Brightness	6000 cd/m²	3500 cd/m²	2000 cd/m²	1500 cd/m²	1000 cd/m²	800 cd/m²	600 cd/m²	500 cd/m²
Transparency	48%	55%	60%	65%	68%	75%	80%	86%
Screen Weight	6 kg/m²	4.5 kg/m²	3 kg/m²	2 kg/m²	1.5 kg/m²	1.3 kg/m²	1.2 kg/m²	0.9 kg/m²
Max. Power	750 W/m²	430 W/m²	300 W/m²	190 W/m²	150 W/m²	108 W/m²	75 W/m²	50 W/m²
Ave. Power	250 W/m²	140 W/m²	100 W/m²	65 W/m²	50 W/m²	35 W/m²	25 W/m²	17 W/m²
Viewing Distance	> 8m	> 10m	> 14m	> 18m	> 20m	> 22m	> 25m	> 30m
Imaging Area	> 6 m²	> 10 m²	> 20 m²	> 30 m²	> 40 m²	> 50 m²	> 80 m²	> 100 m²
Viewing Angle	140°/120° (H/V)							
LED Configuration	2pcs / 3pcs Nationstar 3535 SMD							
IP Rating	IP67							
Fire Protection	UL94-V0							
Control System	NovaStar / Mooncell							
Scan Mode	Static Scanning							
Working Voltage	12V DC							
Gray Scale	16 Bits							
Refresh Rate	⩾1920Hz							
Life Time	80,000 Hours							
Working Environment	Temperature: -30℃~+60℃ , Humidity: 10~90% RH							

Dimension: (unit:mm)





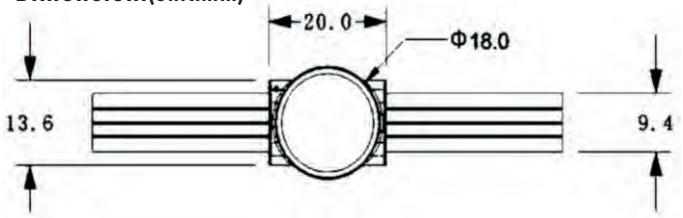


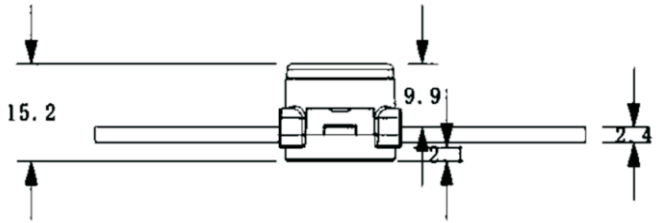


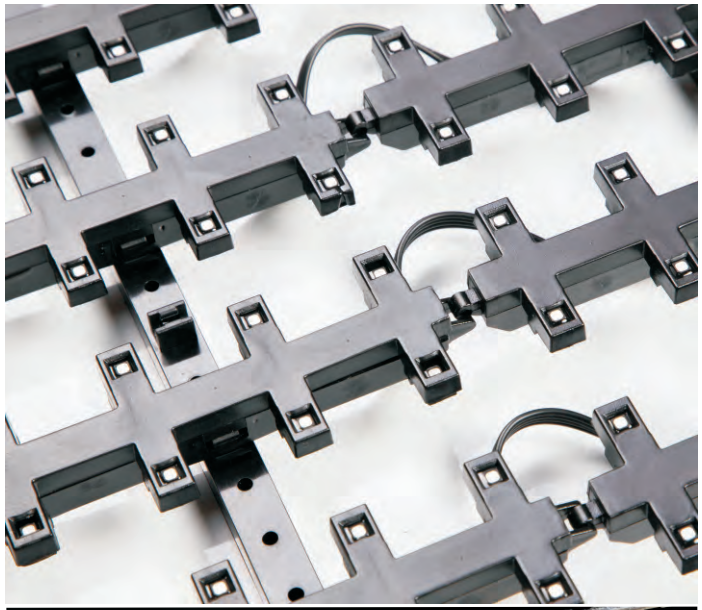
B Series Technical Parameters:

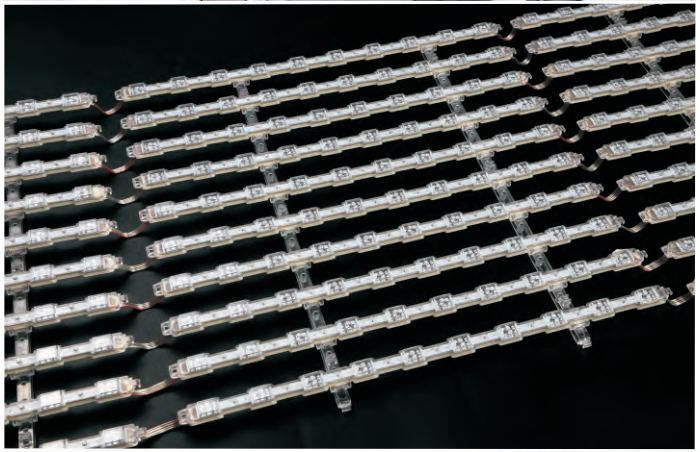
Model	P31-B	P42-B	P50-B	P62-B	P70-B	P83-B	P100-B	P125-B
Pixel Pitch	31.25mm	42mm	50mm	62mm	50*100mm	83mm	100mm	100*150mm
Pixel Density	1024 dot/m²	576 dot/m²	400 dot/m²	256 dot/m²	200 dot/m²	144 dot/m²	100dot/m²	66 dot/m²
Brightness	6000 cd/m²	3500 cd/m²	2000 cd/m²	1500 cd/m²	1000 cd/m²	800 cd/m²	600 cd/m²	500 cd/m²
Transparency	48%	55%	60%	65%	68%	75%	80%	86%
Screen Weight	6 kg/m²	4.5 kg/m²	3 kg/m²	2 kg/m²	1.5 kg/m²	1.3 kg/m²	1.2 kg/m²	0.9 kg/m²
Max. Power	750 W/m²	430 W/m²	300 W/m²	190 W/m²	150 W/m²	108 W/m²	75 W/m²	50 W/m²
Ave. Power	250 W/m²	140 W/m²	100 W/m²	65 W/m²	50 W/m²	35 W/m²	25 W/m²	17 W/m²
Viewing Distance	> 8m	> 10m	> 14m	> 18m	> 20m	> 22m	> 25m	> 30m
Imaging Area	> 6 m²	> 10 m²	> 20 m²	> 30 m²	> 40 m²	> 50 m²	> 80 m²	> 100 m²
Viewing Angle	140°/120° (H/V)							
LED Configuration	2pcs / 3pcs Nationstar 3535 SMD							
IP Rating	IP67							
Fire Protection	UL94-V0							
Control System	NovaStar / Mooncell							
Scan Mode	Static Scanning							
Working Voltage	12V DC							
Gray Scale	16 Bits							
Refresh Rate	⩾1920Hz							
Life Time	80,000 Hours							
Working Environment	Temperature: -30℃~+60℃ , Humidity: 10~90% RH							

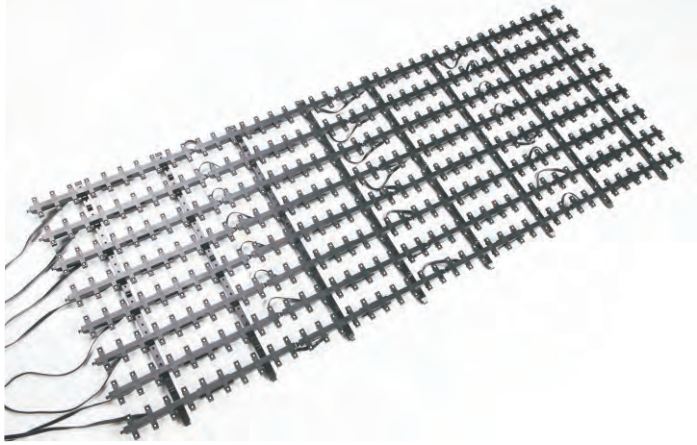
Dimension:(Unit:mm)





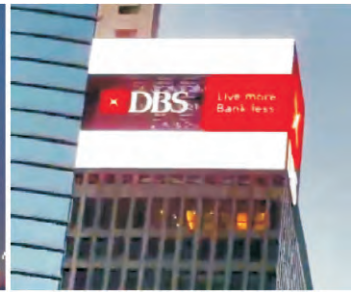






H Series Technical Parameters:

Model	P16-H	P31-H	P50-H	P62-H	P70-H	P80-H	P100-H	P125-H
Pixel Pitch	15.625mm	31.25mm	50mm	62mm	50*100mm	62*100mm	100mm	100*150mm
Pixel Density	4096 dot/m²	1024 dot/m²	400 dot/m²	256 dot/m²	200 dot/m²	160 dot/m²	100dot/m²	66 dot/m²
Brightness	9000 cd/m²	6000 cd/m²	2000 cd/m²	1500 cd/m²	1000 cd/m²	800 cd/m²	600 cd/m²	500 cd/m²
Transparency	50%	70%	65%	70%	72%	75%	80%	90%
Screen Weight	5.5 kg/m²	3.6 kg/m²	3 kg/m²	2 kg/m²	1.5 kg/m²	1.3 kg/m²	1.2 kg/m²	0.9 kg/m²
Max. Power	900 W/m²	780 W/m²	300 W/m²	190 W/m²	150 W/m²	108 W/m²	75 W/m²	50 W/m²
Ave. Power	300 W/m²	260 W/m²	100 W/m²	65 W/m²	50 W/m²	35 W/m²	25 W/m²	17 W/m²
Viewing Distance	> 4m	> 8m	> 14m	> 18m	> 20m	> 22m	> 25m	> 30m
Imaging Area	> 3 m²	> 6 m²	> 20 m²	> 30 m²	> 40 m²	> 50 m²	> 80 m²	> 100 m²
Viewing Angle	140°/120° (H/V)		140°/120° (H/V)					
LED Configuration	1pcs Nationstar 3535 SMD		2pcs / 4pcs Nationstar 3535 SMD					
IP Rating	IP67							
Fire Protection	UL94-V0							
Control System	NovaStar / Mooncell							
Scan Mode	Static Scanning							
Working Voltage	12V DC							
Gray Scale	16 Bits							
Refresh Rate	⩾1920Hz							
Life Time	80,000 Hours							
Working Environment	Temperature: -30℃~+60℃ , Humidity: 10~90% RH							



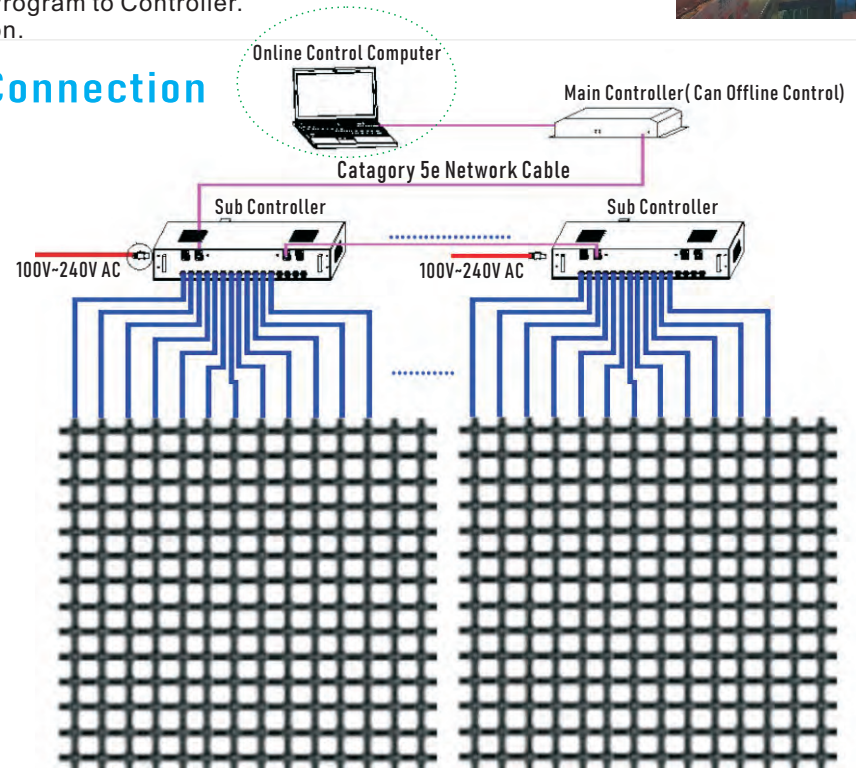
Media Player:

NovaStar / Mooncell Controller, an advanced and universal led video system. Most common LED Display system. It is the most powerful and widely used LED display system in the industry. Customers can benefit from the worldwide distributor network whenever they look for technical support.

Support Computer Send Program
The platform supports Real time use,
System user-friendly,
easy to use, easy to learn and use.

Support Mobile Phone Control
The mobile phone need to download the APP.
Throught App send the Program to Controller.
Support Wifi Transmission.

摩西尔 Mooncell

Electrical Parameters	Input Voltage	AC 100 V~240 V
	Max. Power Consumption	15 W
Storage Capacity	RAM	1GB
	Internal Storage	32GB (28 GB Available)
Storage Capacity	Temperature	-40°C to +80°C
	Humidity	0% RH to 80% RH
Operating Capacity	Temperature	-20°C to +60°C
	Humidity	0% RH to 80% RH
Operation System	Android 11	
Network Communication	WiFi: 2.4G, Switchable AP&STA , 4G : Support(Option), LAN: 1000 Mbps	
Certification	CE(EMC, LVD), ROHS, FCC, FCC ID, RED, UKCA, UL, RCM, PSE, FAC, PSB, KC, MIC, CB, BTC	
System Software	Android operating system software. Android terminal App software. FPGA program Third-party applications are not supported.	

System Wire Connection