



A

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 ~ 9kg /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!

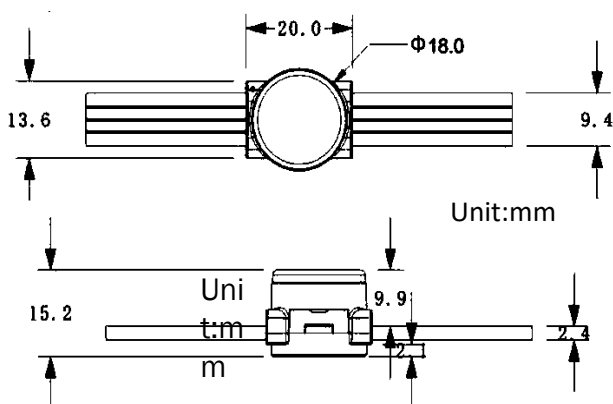
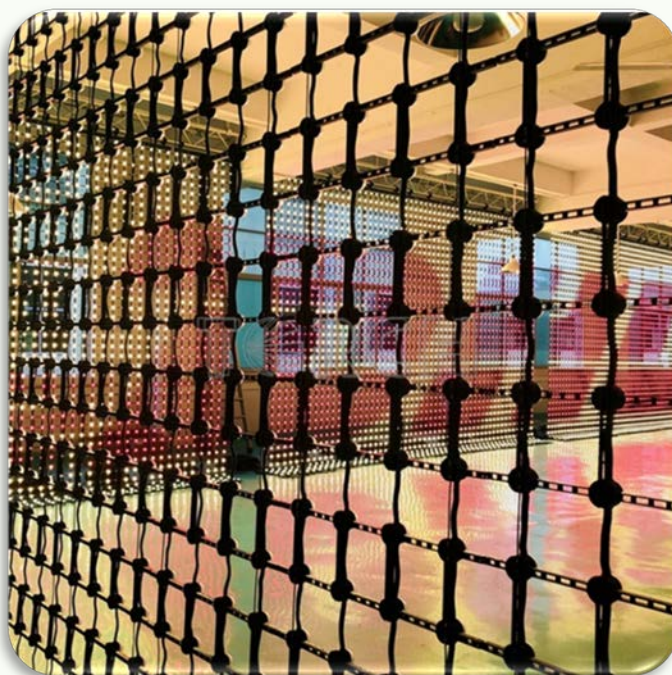
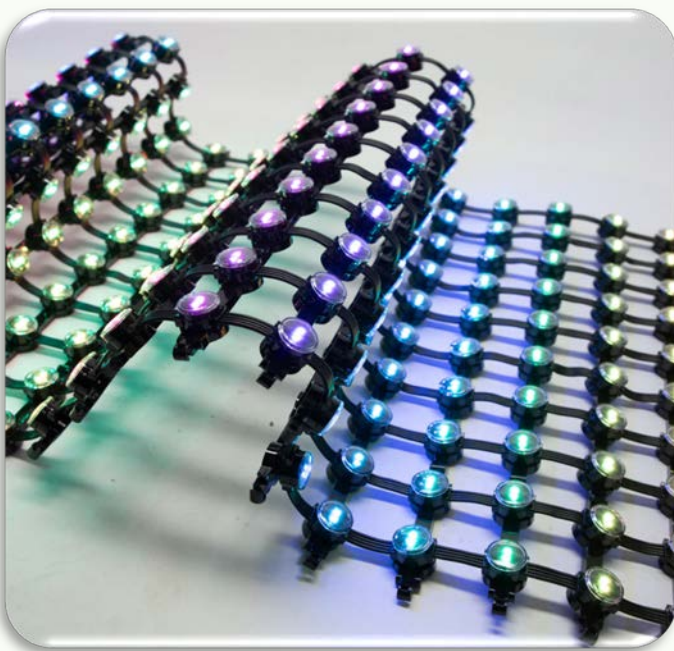
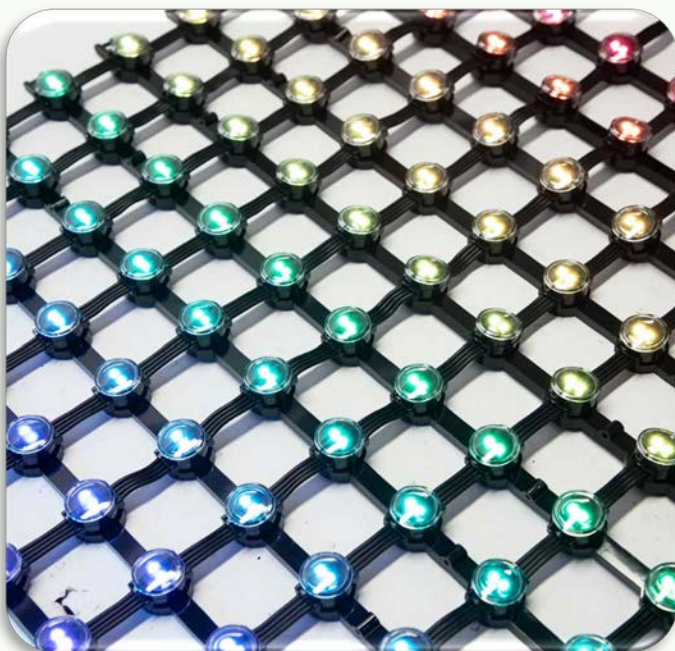
LED Flexible Mesh Screen Brief:

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 P150mm, 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.

• LED Mesh Screen Parameters – Black / Transparent PC Frame

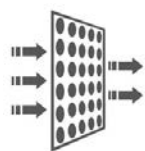
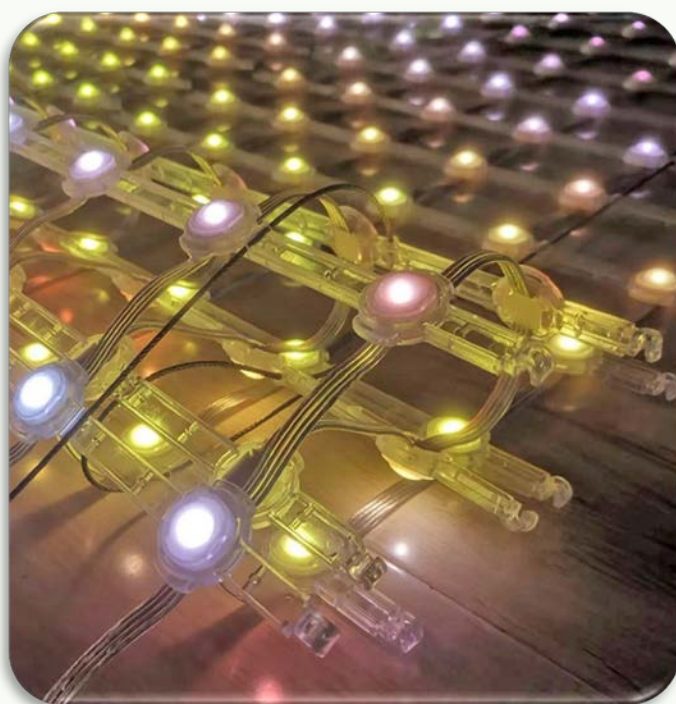
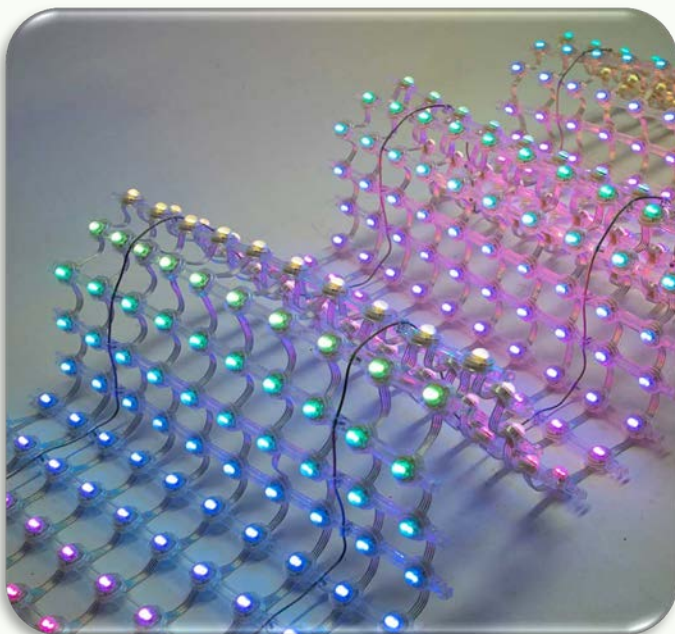
Model No.	P31mm	P42mm	P50mm	P55mm	P62mm	P83mm	P100mm	P120mm
Pixel Pitch (mm)	31.25*31.25	35*50	50*50	50*60	62*62	100*100	100*100	100*150
LED Type	1 / 2 / 3 pcs * SMD 3535 RGB 3 IN One LED							
Pixel Density	1024 dot/m ²	576 dot/m ²	400 dot/m ²	333 dot/m ²	256 dot/m ²	144 dot/m ²	100 dot/m ²	66 dot/m ²
Min. View Distance	>8m	>1m	>12m	>15m	>20m	>25m	>30m	>30m
Transparency	55%	60%	75%	80%	85%	90%	92%	93%
Weight(kg/m ²)	9.2	6.5	4.5	4.2	3.6	2.4	2	1.8
Max. Power	615 W	375 W	300W	200W	170W	60W	45W	36W
Ave. Power	205W	125W	100W	66W	55W	20W	15W	12W
Brightness	6100 cd/m ²	4000 cd/m ²	2500 cd/m ²	2000 cd/m ²	1500 cd/m ²	600 cd/m ²	400 cd/m ²	300 cd/m ²
Viewing Angle	120° (H)/120° (V)							
Refresh Rate	>1920 Hz							
Fire Protection Rating	UL94-V0							
Scan Mode	Static Scanning							
IP Rate	IP67							
Working Volt.	DC 12V / 24V							

The Black frame to get a better contrast, On the stage, Black frame will integrate well with the backdrop.





On the building facade, sometimes, the transparent frame might be a better option, especially over a glass wall.



High
Transparency



Lightweight



Low Wind
Resistance



Fire-
Resist



Self-Heat
Dissipation



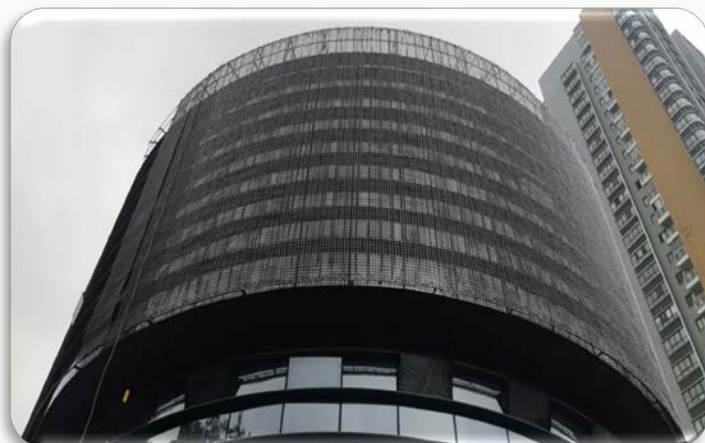
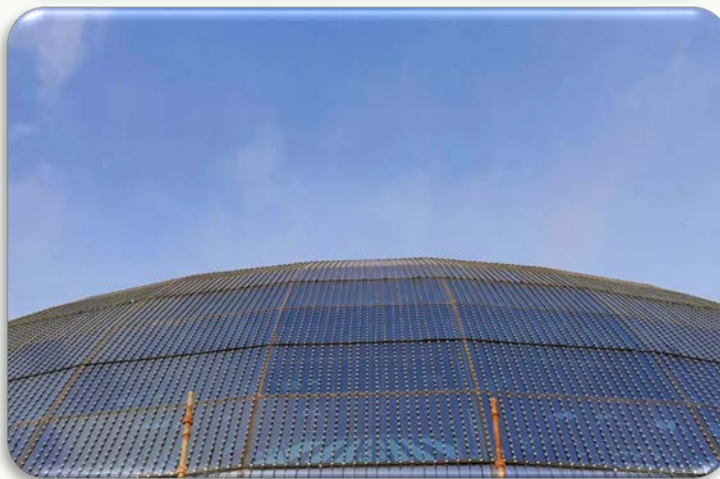
High
Contrast

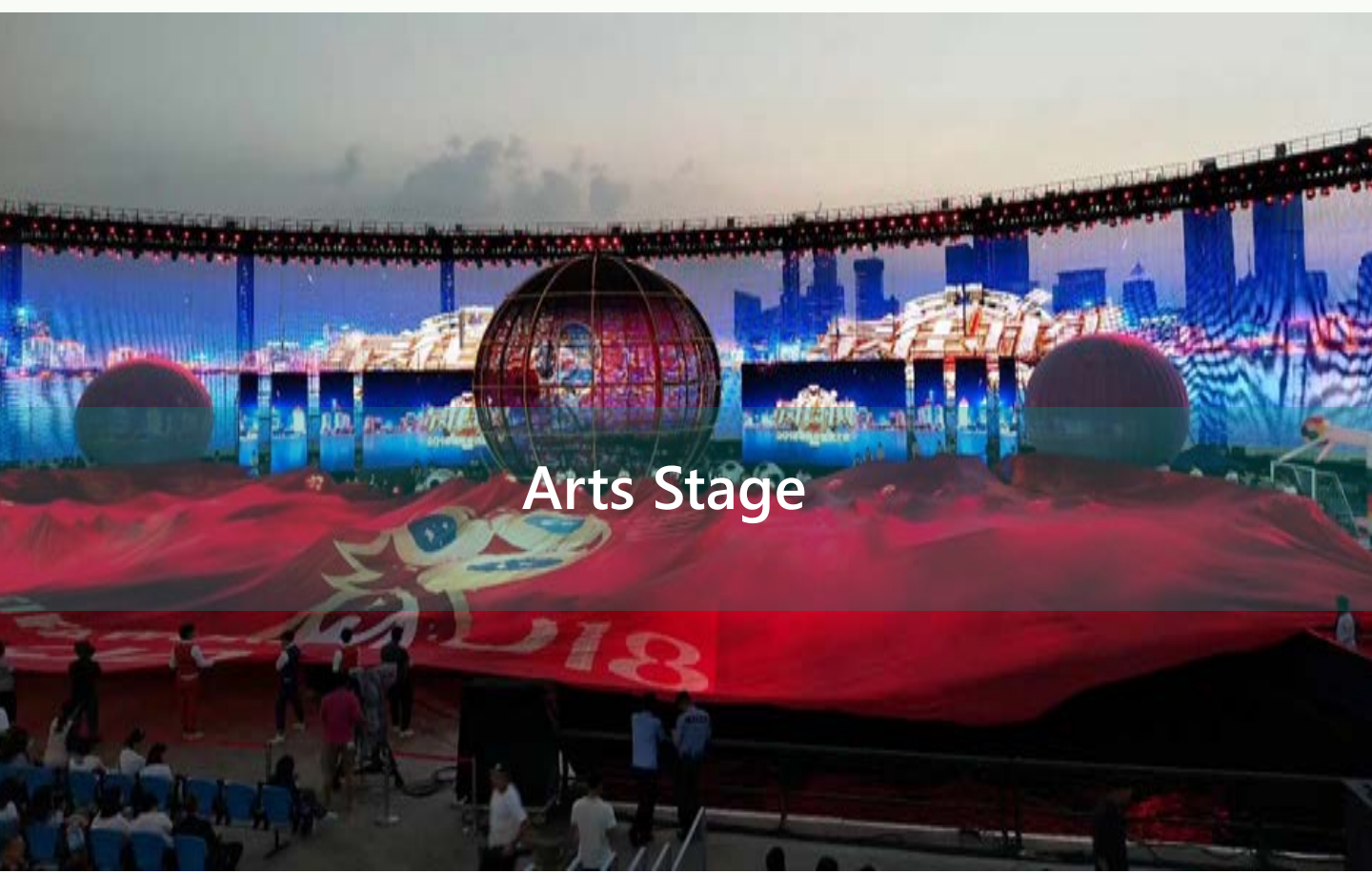


IP67



High
Refresh Rate





About Kote Long Opto



Established in 2010, Zhongshan Kote Long Opto Co., Ltd. has been specializing in the research and development and application of point light sources, led mesh screen and grid display with independent intellectual property rights, as well as supporting and services for other lighting lamps, mainly providing comprehensive services such as scheme design, engineering budget, product provision and on-site guidance for large-scale architectural landscape and advertising lighting projects.

Kote Long own 3,000 sqm. production area, equipped with all kinds of necessary machines and test tools in the facility. Such as SMT equipments, Reflow soldering, High pressure injection machine, also the Optical detection, salt spray test & UV test Lab. Our products have passed international quality standards, including CE, FCC, RoHS, TUV, ETL, We are an ISO 9001: 2008 certified company. Also we do many test for our products, such as: PAT & EMC test, 72 hour Aging test & Soak test, Free drop test & Vibration test, CFC supplied upon request Vibration test and so on.

In the past 10 years, **Kote Long** service team almost traveled all over the world, adhered to the core values of "Professional, Team, Integrity, Communication, Efficiency", we provided professional, caring and attentive after-sales service for global customers. Till now, by virtue of high reliability and cost performance of products, we has built long-term business relationship with our customers from more than 100 countries, like USA, Germany, Spain, Japan, Portugal, Brasil, Korea, Poland, Italy etc.

By the reliable quality, excellent service and good faith striving for realism style, In domestically and abroad, like many big TV & Broadcasting, Hotel & Banquet, Shopping Malls, Railway stations, Sport stadium etc.

All of them have Kote Long's nice figure.



Certificate Wall





Why Choose Us



70+
Employees



14 Years
History, Found 2010



60+ Countries
and Areas Exported



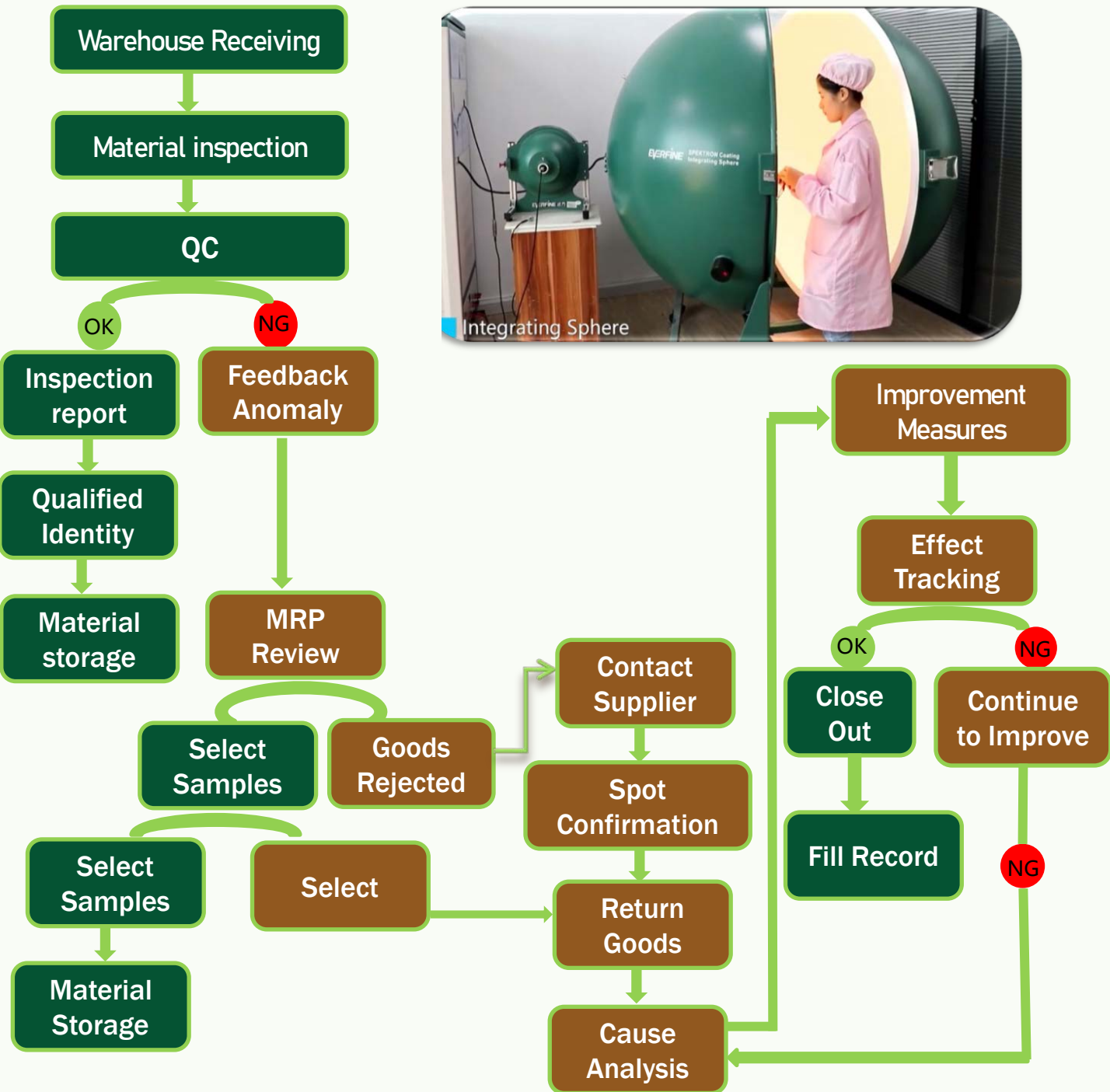
3000+ m²
Workshop Area



CE / RoHS / TUV
Certification

Workshop - Auto Machine







01

02

03

04

Raw Material

We use the raw material from top suppliers, which can make sure stable quality at the first beginning. Also, our IQC will do strict procedures as each rule/step.

Production

During the production, our IPQC check the production line periodically and randomly, to make sure each procedure is right at most degree

Testing&Aging

Each initial sample needs to be tested on every order. Only when the initial sample is approved, can massive production start. And full aging is a must for all orders, at least 8~48 hours.

Inspection

Except 100% testing in production, our QC have random inspection after being packed. If one fails, all need to be reworked. We make sure zero defect to clients before delivery at best.

Workers

All of the workers have profound experience in electronics industry, they can handle product details perfect to improve product level .

Sales

Most of our sales have been involved in LED industry at least 10 years. We understand the importance of correct information. So anytime, we deliver correct information to clients no matter it is good or bad. This behavior can help clients to make proper decisions accordingly and avoid potential loss.

Engineers

Our engineers have focused on LED Display for 10+ years, they know how to resolve the pain points of clients and own innovative spirit to design new models by cutting-edge tech.

Leader

Leader decides the basic tone of whole team. Our leader is open to new tech and things. So we prefer to communicate with different clients in the markets for deep and better understanding.





Product Cost

- ✧ We spend more cost on raw material. Take LED Chip as sample, our PCB supplier belongs to Top3 PCB factory in China.
- ✧ We totally understand high quality material guards stable performance in long time. If we use inferior material, it can save cost in great degree, but there will be huge maintenance cost during warranty period. So we cut off the potential risk cost at the first beginning.

Administration Cost

- ✧ We have a flat organization structure. Sales position priority is our working rule, all positions have to put sales' requirements at first place, so we can get quick and direct reply from supplier in a minute, rather than 1 week in some big companies. That means we can finish things in less time, which saves obvious labor cost significantly.
- ✧ In addition, we have no redundant administration positions, which saves us covert cost. In order to operate a whole management level, some companies add 5% onto product price at least.



Profit

- ✧ Nowadays, LED industry is very transparent, and era of high-profit are gone. To each manufacturer, material cost has no big difference. So, our business philosophy is earning small profit by high volume. Thanks to auto-machine, it can offer quite high efficiency when producing Mesh Screen. And just need limited workers to do soldering job. This helps us to reach high production capacity as big company with lower cost, cause we do not need to pay extra labor cost and rent for big plant. Based on high quality and competitive price, we have cooperated with some big brands/clients in different markets.
- ✧ We sacrifice some profit to high-level material and more testing, which can make sure our products are more stable in long time.
- ✧ As a professional player in LED industry, Kote Long's staff can avoid some possible problems happen in the supply chain. So we can help to reduce potential loss from the first beginning.



After-Sales

- ✧ Every product has its shelf life, if there are quality problems during shelf life, please contact us, we are always here to service you. We do not do a one-off business, but to seek long-term cooperation, achieve a win-win situation.



NovaStar Controller, an advanced and universal led video system. Most common LED mesh screen 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 Novastar Controller.



Support Wifi

It has multiple interfaces including HDMI/DVI, WiFi, 4G, and USB for video streaming access.



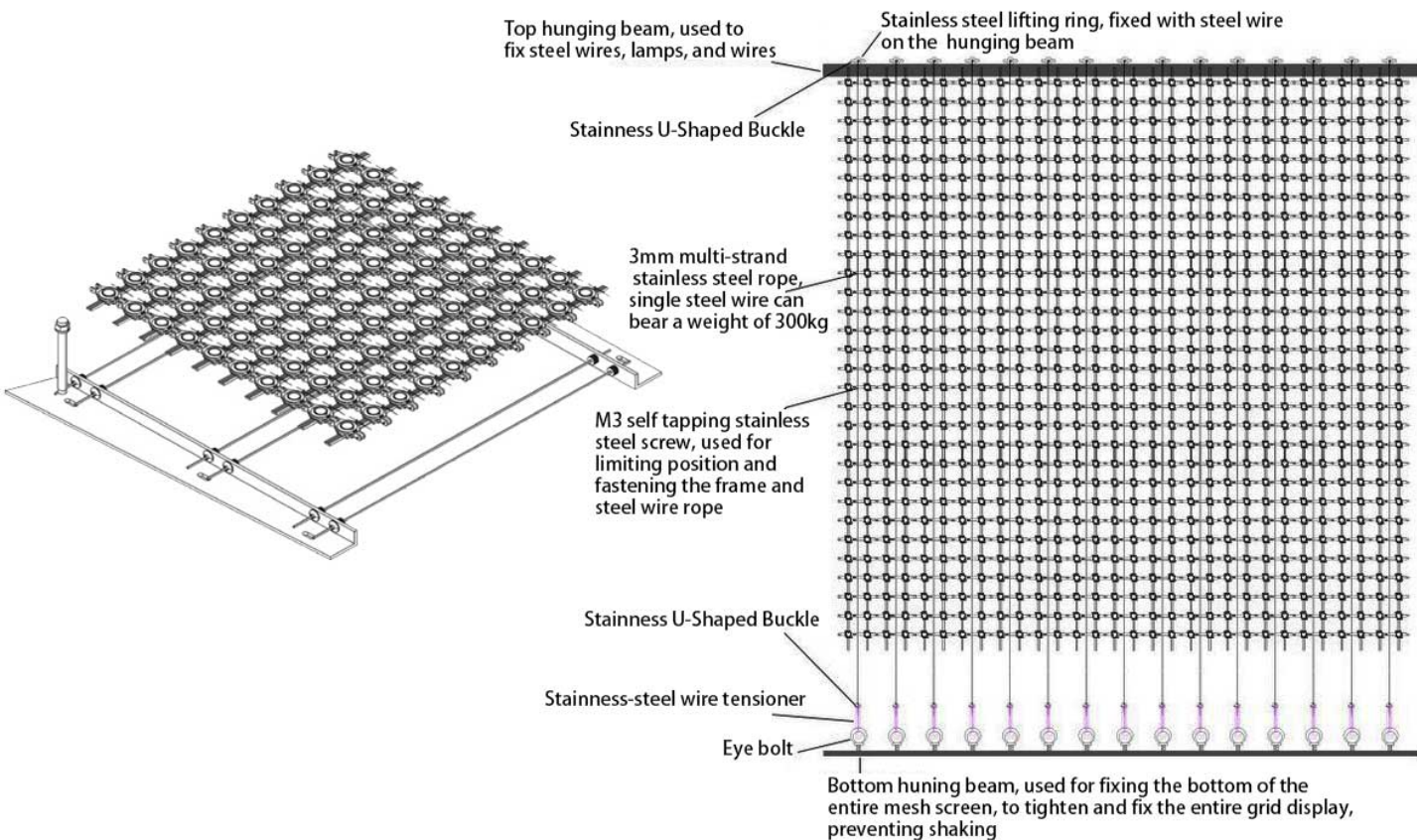
Cloud Data Management

Cloud-based content publishing system can managing many LED mesh screens in different locations all over the world just from one central control room



Electrical Parameters	Input voltage	AC 100 V~240 V
	Maximum power consumption	15 W
Storage Capacity	RAM	1 GB
	Internal storage	32GB (28 GB available)
Storage Environment	Temperature	-40 °C to +80 °C
	Humidity	0% RH to 80% RH
Operating Environment	Temperature	-20°C to +60°C
	Humidity	0% RH to 80% RH,
Packing Information	Dimensions (L×W×H)	335 mm × 190 mm × 62 mm
Dimensions (L×W×H)	196.0 mm × 115.5 mm × 34.0 mm	
Net Weight	304.5 g	
Operation System	Android 11	
Network Communication	WiFi: 2.4G, Switchable AP&STA , 4G : Support(Optional), LAN: 1000 Mbps	
Certification	CE EMC、LVD、ROHS、FCC、FCC ID、IC、RED、UKCA、UL、RCM、PSE、FAC、PSB、KC、MIC、CB、BTC	
IP Rating	IP20 Please prevent the product from water intrusion and do not wet or wash the product.	
System Software	Android operating system software. Android terminal application software. FPGA program <i>Third-party applications are not supported.</i>	

Installation Method



Installation Method I: (Wire Rope Installation):

- Step 1: Fix the wire rope on the clip (completed at the factory);
- Step 2: Buckle the light into the corresponding position of the clip (completed at the factory);
- Step 3: Connect the card strips to each other;
- Step 4: Use U-shaped lock buckle to fix the wire rope on the top of the grid screen;
- Step 5: Use U-shaped locks and tighters to fix and straighten the wire rope at the bottom of the grid screen.

Precautions:

1. Category 5e network cable: The longest distance between the computer and the main control, the main control and the sub-control box, and the sub-control box and the sub-control box shall not exceed 100m, otherwise optical fiber transmission is required;
2. Do not install lamps in weak and non-load-bearing locations, such as ceilings on gypsum boards, plastic boards, thin metal sheets, etc.;
3. Do not install the lamp above high-temperature objects (do not install it above stoves, gas and exhaust pipes, etc. to prevent damage);
4. During installation and application, please do not pull the lamp vigorously to prevent the wire of the lamp from being pulled, causing hidden dangers to the lamp.
5. When installing lamps, please waterproof the connection between the power cord and the signal cable. The unconnected signal connector needs to be waterproofed, and the waterproof tape must exceed the cable sheath by more than 5cm;
6. When installing the controller and power supply outdoors, a special equipment rainproof box is required. The box should be installed vertically on the wall, more than 50cm from the ground, to avoid damage to the equipment by water on the ground;
7. Follow the wiring instructions to avoid wiring errors, tearing, falling off and other construction problems;

We know that you expect quality products and we want to provide them to you. Kote Long provides free repair services if any quality problems occur within the warranty period.

If your device isn't working during the three-year period, we'll replace any parts that need to be replaced, free of charge.

We will cover the cost of one shipment within the warranty period.

After the warranty period has expired, Kote Long is not responsible for any shipping costs.

We're here to help! When the warranty period has expired, Kote Long shall offer a reduced price for repair services.

We are not responsible for the occurrence of damages. Generally, we will not provide warranty service in the following cases:

1. Electronic products must not be disassembled or repaired by anyone other than the person who manufactured it, an authorized agent of the manufacturer, or a qualified person.

2. Expiry of the warranty period.

3. Damage caused by improper use by the user.

4. Damage caused by fire, flooding, earthquakes, and other natural disasters.

5. Any damage caused by misuse, including unauthorized disassembly, improper testing, etc.

If a customer changes their mind within the first 12 months, we offer a one-time product exchange for the full retail price. If the customer chooses to continue using the approved product beyond that time period, at the end of two months from the contract sign date stated on the contract, the warranty will start.

In the case of VIP installation and maintenance, customers must sign an agreement to pay all after-sales technical service costs, including visa fees, accommodation, meals, and transport. Kote Long is responsible for all installation and maintenance.

The customer is also responsible for determining how, when, and from where to bring the engineer.

Vip Service

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