



LED DISPLAY

THE GLORY OF THE ORIENTAL SHINES ALL OVER THE WORLD

MAGIC STAGE

The World's First LED Display with
Multi-use Various Creative shops



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Add: YES TECH Optoelectric Industrial Park, No.108 Qingzhuhu Road,
Kaifu District, Changsha City, Hunan Province, China

Tel: +86-0731-84539619/84530058/84530078

Fax: +86-0731-84806158/84511685

E-mail: yestech@yes-led.com

Web: www.yes-led.com



LED DISPLAY WITH MULTI-USE

"Magic Stage" series first promote its concept for universal usage, that one type could realize multi-functional effect, the screen could use for flat, curtain, stadium, floor, outdoor and indoor using. This is the world's first LED display with multi-use launched by Yes Tech.



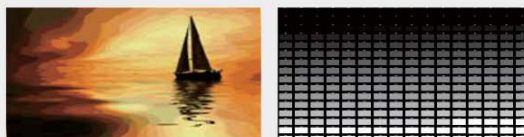
1

OUTDOOR SCREEN FOR INDOOR USE

Adopting high refresh high gray IC drive, after decreasing brightness from 6000cd/m² to 1200cd/m², the outdoor screen still keeping the excellent gray scale performance as the indoor screen. Minimum outdoor pixel pitch could reach 4.8mm, and it can apply to both indoor and outdoor.



For Magic stage outdoor screen, when its brightness decrease to indoor use, the gray scale performance is still intact, keeping high image layered and bright-colored.



For common outdoor screen, when its brightness decrease to indoor use, the gray scale will be seriously damaged, and not able to show image details.

2

USE AS SKY BACKDROP CURTAIN

Adopting multi-fuction U structure connector, and combining the special structure design of Magic Stage, curved shape within $\pm 15^\circ$ and light & thin features, Magic Stage can realize more creative curtain shapes.



When installing on ceiling, it can not only be matched by magic stage multi-functional steel frame, but also can be fit with various steel frames.

3

USE AS STADIUM SCREEN

Adopting soft mask can protect the screen effectively when it gets impacted. And the top of the screen adopts soft cushion, which can protect the athletes when they collide with screen accidentally. Meanwhile, the bracket can be adjusted to ensure the best viewing angle.



By constructed with magic stage multi-functional steel frame 75° to 90° degrees can be adjusted.

4

USE AS DANCE FLOOR

Combine with magic stage own protection cover, realizing a broader viewing angle.



Adding PC material protection cover, combine with special absorbing equipment, which will be more convenient for taking out cabinet.

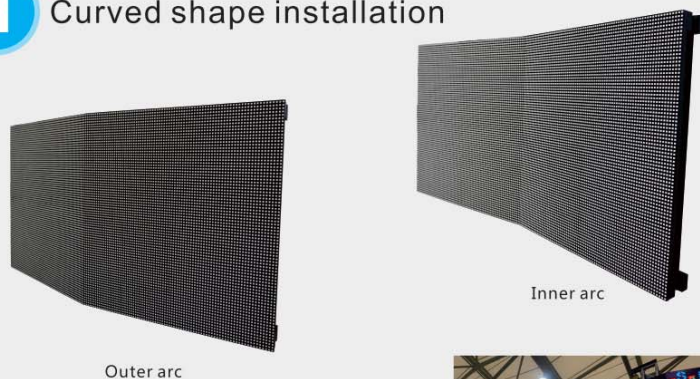


LED resolution reaches 43264 dots/m², with 160° viewing angle.

ONE SCREEN WITH VARIOUS CREATIVE SHAPES

Unique structure design with multi-hole connecting places and easy-operating connectors can realize multiple creative shapes by horizontal & vertical & front and back dislocation installation and within $\pm 15^\circ$ curve installation design.

1 Curved shape installation



Outer arc

Inner arc



2

Dislocation installation diagram

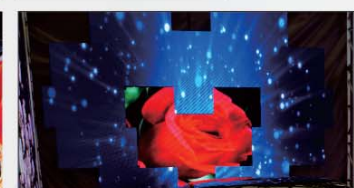


Horizontal Dislocation

vertical Dislocation



Front & Back Dislocation



THE REAR COVER OF THE BATTERY CAN BE EASILY ASSEMBLED AND DISASSEMBLED WITHIN ONLY ONE SECOND.

Just one step of pushing and pressing to open the rear cover of the battery and pulling it to close. The whole process is quite easy and fast. Meanwhile, it is much more convenient for further maintenance.

1



2



Schematic diagram of disassembling the power supply cover

ANTI-COLLISION BUFFER COTTON/MULTIFUNCTIONAL HOLE

1



3mm thick of anti-collision buffer cotton, it protects the cabinet and led surface from collision, realizes the seamless installation, show better performance.

2



4 multifunctional holes added to the 4 corners of cabinet to make the connection between Magic Stage and multi-functional steel frame tighter for fixing installation, dance floor and other special installation.

3

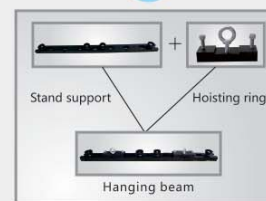


During the installation, the embedded metal part in the 4 multifunctional holes can touch the earth wire of PCB board. In this way, it is with better conduction ability and can realize the static release function well.

DUAL-USE HANGING BEAM

Magic Stage series adopted customized hanging beam, it's not only can be used in hanging installation, also fixing installation as well as stand support. The dual-use provide maximal convenience for you.

1



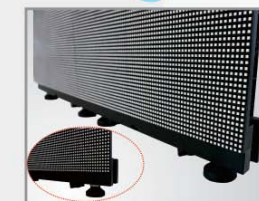
Application diagrammatic of stand support and hoisting ring

2



Application diagrammatic of hanging beam

3



Application diagrammatic of stand support

Multi-fuction U structure connector

Tightness can be easily adjusted by rotatable handle to ensure the equivalent force, which could greatly increase the safety and flatness. Also it could be applied to hanging and fixed installation, which could save the cost of accessories.

1



multi-fuction U structure connector

2



Application diagrammatic of hanging installation

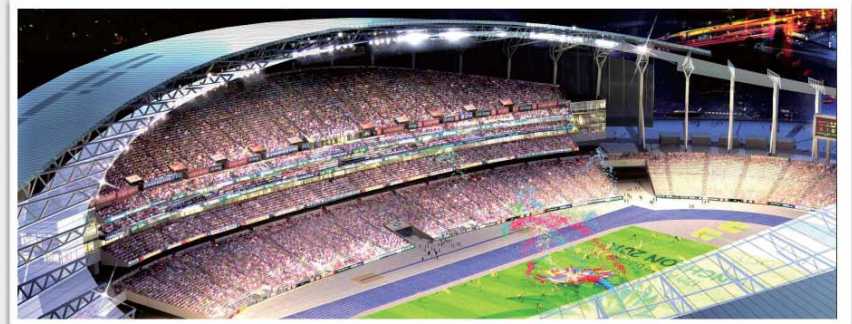
3



Application diagrammatic of fixed installation



EXPO 2015



The 2014 Incheon Asian Games



2014 FIFA World Cup Brazil



The world chief Catholic Pope Francis beatified in Gwanghwamun



2014 Sochi Winter Olympic Games



2015 FORMULA 1 Singapore



FIBA European Basketball Championship

Technical Parameter of Magic Stage Indoor Series

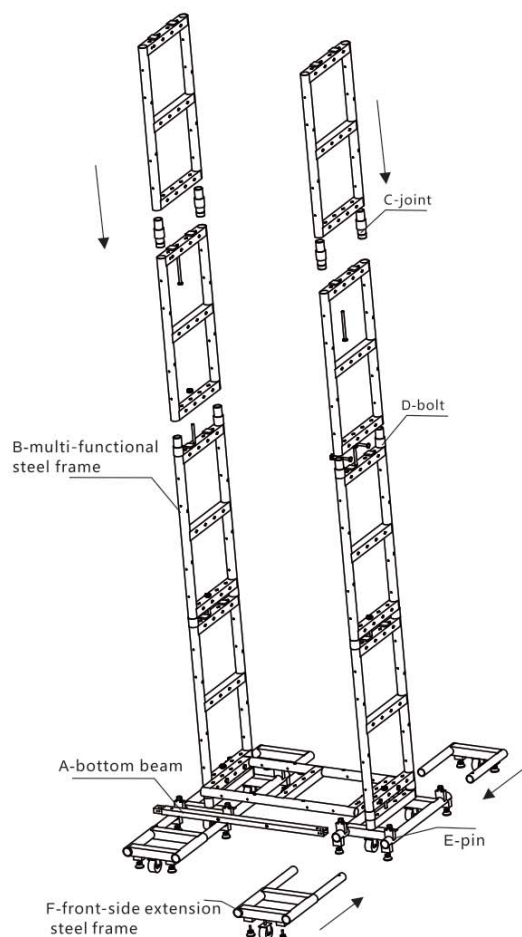
| Items | YMG6A-M03NFD | YMG6A-M04NFB | YMG6A-M05NFB | YMG6A-M06NFB | YMG5-M04NFD | YMG5-M06NFB |
|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| LED Encapsulation | 2020 (黑) | 3528 | 3528 | 3528 | 2020 (黑) | 3528 |
| Pixel Pitch(mm) | 3.9 | 4.8 | 5.9 | 6.9 | 4.46 | 6.25 |
| Module Resolution (W×H) | 128×32 | 104×26 | 84×21 | 72×18 | 56×56 | 40×40 |
| Module Size(mm) | 500×125 | 500×125 | 500×125 | 500×125 | 250×250 | 250×250 |
| Module per Cabinet (W×H) | 1×4 | 1×4 | 1×4 | 1×4 | 2×2 | 2×2 |
| Cabinet Size(mm) | 500×500×73 | 500×500×73 | 500×500×73 | 500×500×73 | 500×500×73 | 500×500×73 |
| Cabinet area(m²) | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| IP Grade | IP50 | IP50 | IP50 | IP50 | IP50 | IP50 |
| Cabinet Evenness(mm) | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 |
| Pixel Density(dot/m²) | 65536 | 43264 | 28224 | 20736 | 50176 | 25600 |
| Cabinet Resolution (W×H) | 128×128 | 104×104 | 84×84 | 72×72 | 112×112 | 80×80 |
| Weight(kg/cabinet) | 5.7 | 6.0 | 5.9 | 5.8 | 5.2 | 5.5 |
| White Balance Brightness (CD/m²) | 1000±10% | 1000±10% | 1200±10% | 1200±10% | 1200±10% | 1200±10% |
| Single led Brightness/ Chroma Calibration | YES / YES | YES / YES | YES / YES | YES / YES | YES / YES | YES / YES |
| Color Temperature(k) | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable |
| Horizontal / Vertical Viewing Angle | 150° / 120° | 160° / 120° | 160° / 120° | 160° / 120° | 150° / 120° | 160° / 120° |
| Pixel center distance deviation | < 3% | < 3% | < 3% | < 3% | < 3% | < 3% |
| Brightness/Color Uniformity | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy |
| Contrast Ratio | 3000 : 1 | 3000 : 1 | 3000 : 1 | 3000 : 1 | 3000 : 1 | 3000 : 1 |
| Working Voltage | AC 100 ~ 240V (50-60Hz) | AC 100 ~ 240V (50-60Hz) | AC 100 ~ 240V (50-60Hz) | AC 100 ~ 240V (50-60Hz) | AC 100 ~ 240V (50-60Hz) | AC 100 ~ 240V (50-60Hz) |
| Power Consumption (w/m²) | 700/233 | 630/210 | 810/270 | 440/145 | 720 / 240 | 480 / 160 |
| Scan | 1 / 16 | 1 / 13 | 1 / 7 | 1 / 9 | 1 / 14 | 1 / 10 |
| Driving Method | Constant drive | Constant drive | Constant drive | Constant drive | Constant drive | Constant drive |
| Frame Frequency (Hz) | 50 & 60 | 50 & 60 | 50 & 60 | 50 & 60 | 50 & 60 | 50 & 60 |
| Refresh Frequency (Hz) | > 1920 | > 1920 | > 1920 | > 1920 | > 960 | > 960 |
| Control system | Nova Star | Nova Star | Nova Star | Nova Star MooncellLins DB Star | Nova Star MooncellLins DB Star | Nova Star MooncellLins DB Star |
| Life span (h) | 100000 | 100000 | 100000 | 100000 | 100000 | 100000 |
| Malfunction dot rate(PPM) | 100 | 100 | 100 | 100 | 100 | 100 |
| Working/Storage Temperature (°C) | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 |
| Working/Storage Humidity (RH) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) |
| Communication Mode | Cat 5 | Cat 5 | Cat 5 | Cat 5 | Cat 5 | Cat 5 |
| Curve installation degree | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° |
| Minimum circle diameter(m) | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Certification | CE FCC ETL | CE FCC ETL | CE FCC ETL | CE FCC ETL | CE FCC ETL | CE FCC ETL |

Technical Parameter of Magic Stage Outdoor Series

| Items | YMG5-M04UFQ | YMG5-M05UFN | YMG5-M06UFC-2 | YMG5-M07UFC | YMG5-M08UFC |
|---|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| LED Encapsulation | 1921 | 2828 | 3535 | 3535 | 3535 |
| Pixel Pitch(mm) | 4.8 | 5.9 | 6.9 | 7.8 | 8.9 |
| Module Resolution (W×H) | 52×52 | 42×42 | 36×36 | 32×32 | 28×28 |
| Module Size(mm) | 250×250 | 250×250 | 250×250 | 250×250 | 250×250 |
| Module per Cabinet (W×H) | 2×2 | 2×2 | 2×2 | 2×2 | 2×2 |
| Cabinet Size(mm) | 500×500×73 | 500×500×73 | 500×500×73 | 500×500×73 | 500×500×73 |
| Cabinet area(m²) | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| IP Grade | IP 65 | IP 65 | IP 65 | IP 65 | IP 65 |
| Cabinet Evenness(mm) | < 1 | < 1 | < 1 | < 1 | < 1 |
| Pixel Density(dot/m²) | 43264 | 28224 | 20736 | 16384 | 12544 |
| Cabinet Resolution (W×H) | 104×104 | 84×84 | 72×72 | 64×64 | 56×56 |
| Weight(kg/cabinet) | 6.2 | 5.9 | 5.8 | 6.0 | 6.0 |
| White Balance Brightness (CD/m²) | 6000±10% | 6000±10% | 6000±10% | 6000±10% | 5500±10% |
| Single led Brightness/ Chroma Calibration | YES / YES | YES / YES | YES / YES | YES / YES | YES / YES |
| Color Temperature(k) | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable | (6500-10000)Adjustable |
| Horizontal / Vertical Viewing Angle | 140° / 80° | 160° / 120° | 160° / 120° | 160° / 120° | 160° / 120° |
| Pixel center distance deviation | < 3% | < 3% | < 3% | < 3% | < 3% |
| Brightness/Color Uniformity | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy | Within < 97% / ±0.003 Cx, Cy |
| Contrast Ratio | 3000 : 1 | 3000 : 1 | 3000 : 1 | 3000 : 1 | 3000 : 1 |
| Working Voltage | Ac100 ~ 240V(50-60Hz) | Ac100 ~ 240V(50-60Hz) | Ac100 ~ 240V(50-60Hz) | Ac100 ~ 240V(50-60Hz) | Ac100 ~ 240V (50-60Hz) |
| Power Consumption (w/m²) | 210 / 70 | 900 / 300 | 1050/350 | 750 / 250 | 508/170 |
| Scan | 1 / 7 | 1 / 7 | 1 / 4 | 1 / 4 | 1 / 5 |
| Driving Method | Constant drive | Constant drive | Constant drive | Constant drive | Constant drive |
| Frame Frequency (Hz) | 50 & 60 | 50 & 60 | 50 & 60 | 50 & 60 | 50 & 60 |
| Refresh Frequency (Hz) | > 1920 | > 1920 | > 1920 | > 1920 | > 1920 |
| Control system | Nova Star | Nova Star MooncellLins DB Star | Nova Star MooncellLins DB Star | Nova Star MooncellLins DB Star | Nova Star MooncellLins DB Star |
| Life span (h) | 100000 | 100000 | 100000 | 100000 | 100000 |
| Malfunction dot rate(PPM) | 100 | 100 | 100 | 100 | 100 |
| Working/Storage Temperature (°C) | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 | -20~45 / -30~60 |
| Working/Storage Humidity (RH) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) | 10-90%/10-90% (No condensation) |
| Communication Mode | Cat 5 | Cat 5 | Cat 5 | Cat 5 | Cat 5 |
| Curve installation degree | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° | -15° ~ 15° |
| Minimum circle diameter(m) | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Certification | CE FCC ETL | CE ETL | CE | CE | CE |

MAGIC STAGE MULTI-FUNCTIONAL STEEL FRAME

Adopting high strength aluminum alloy material, Magic stage (MG) multi functional steel frame is light, strong and beautiful. At the same time, with standardized composite structures, the frame is flexible, multi-use, easy installation and maintenance, and widely used. Magic stage multi-functional steel frame is highly match with Magic Stage LED screen, which make the installation of the Magic Stage more easier. It not only applies to the Magic Stage LED screen, but also suitable for all other LED. Because it has meet infinite imagination of the LED Screen installation and with advantage of wide application, so Magic stage multi-functional steel frame is called Almighty frame.

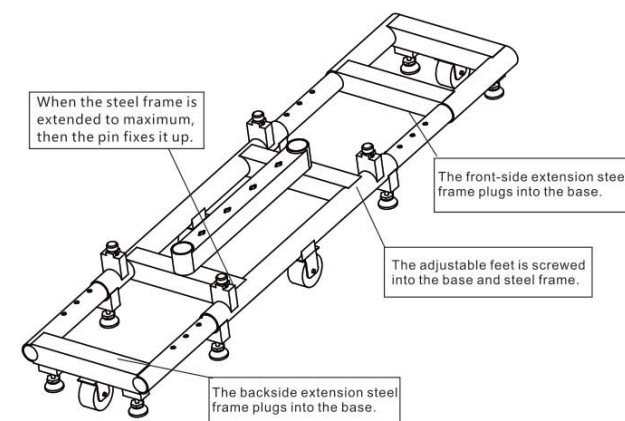


ASSEMBLY INSTALLATION

Please refer the Installation Instruction and know every part of the structure before assembly and installation.

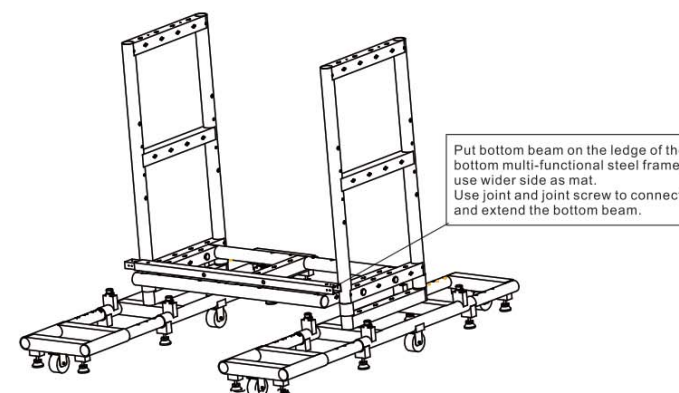
1. Base installation

The set includes one piece of base, one piece of front-side extension steel frame, one piece of backside extension steel frame and eight pieces of adjustable feet, as below shows:

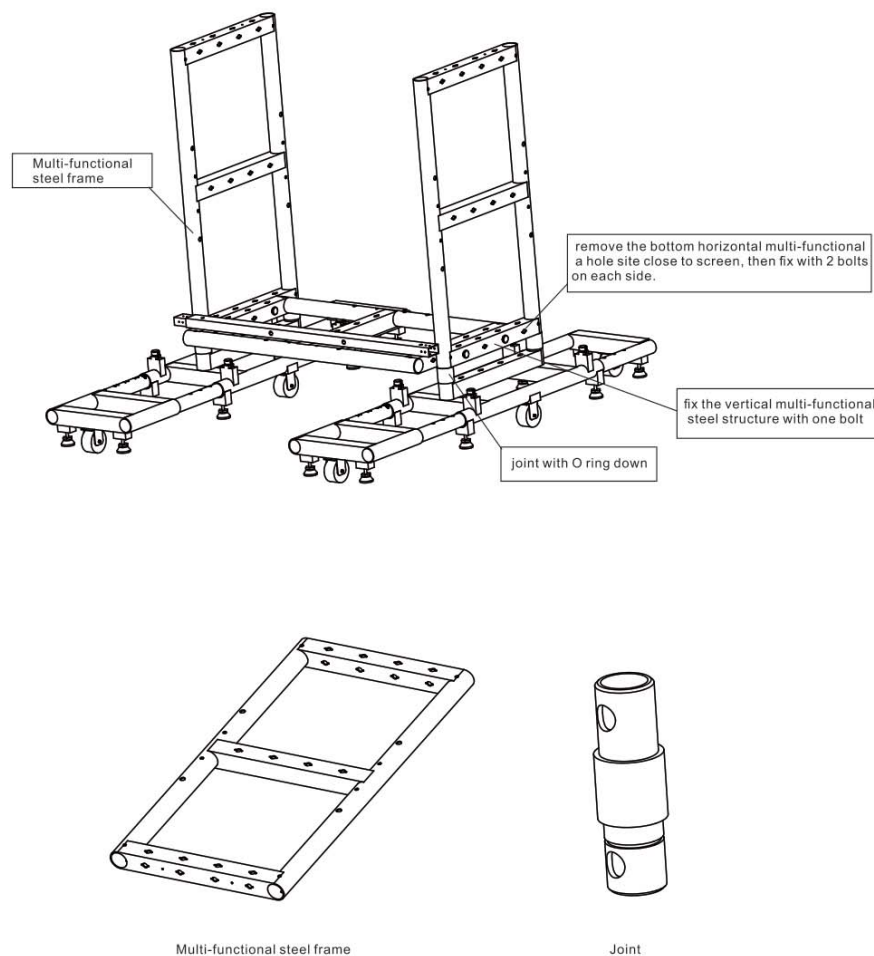


Base installation considerations: The pin must be inserted when extension frame reach to the final scale. It is strictly prohibited to exceed the final scale;

2. Installation of bottom beam(one unit for example)



3. Multi-functional steel frame installation(one unit for example)

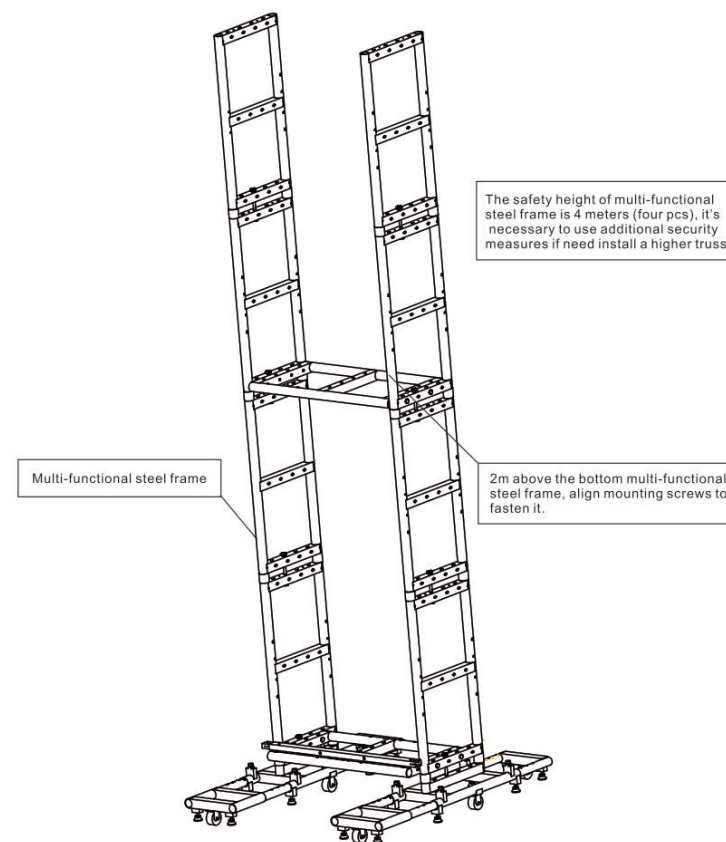


INTEGRAL INSTALLATION

Can be constructed as normal installation, perimeter LED screen installation, dance floor installation, trailer Installation etc. Using base, multi-functional steel frame, joint, bolt and pin cooperatively, it's very easy to achieve integral installation through simple modeling change.

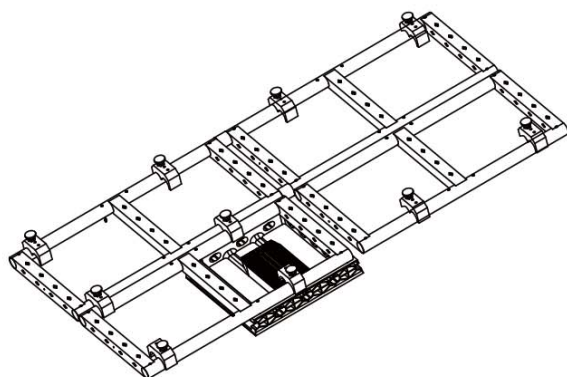
1. Normal installation as follow

Without spending too much labor, LED screen can be installed in any location for normal installation. With unique easy installation & dismantlement feature, it makes things more convenient and easier for both fixing and rental installation.

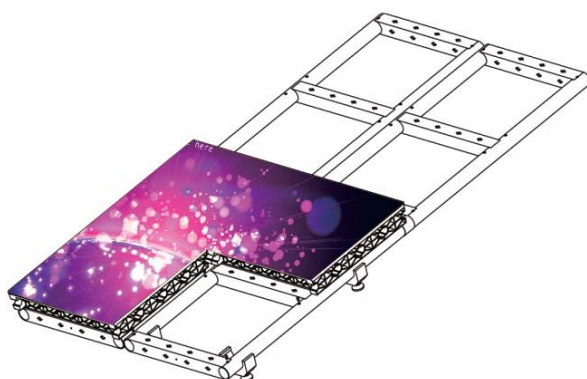


2.Dance floor installation :

Using floor support and multi-functional steel frame will create a space between display and ground, it's not only keep stabilization to protect the screen, but also convenient disassembly and maintenance.



backside



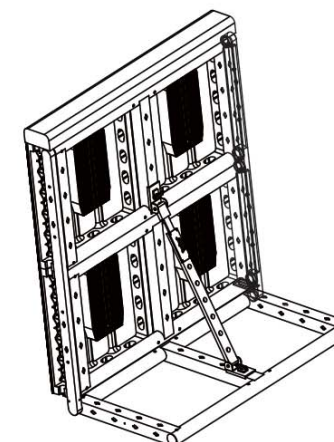
Side face

3.Perimeter LED screen installation

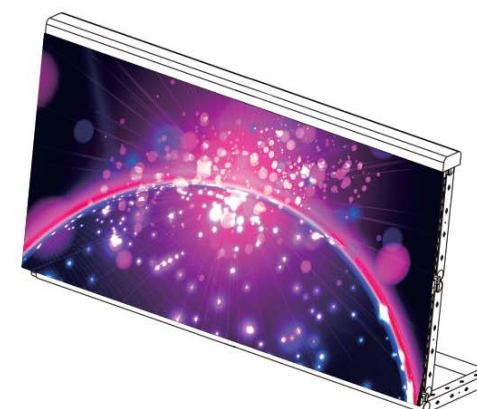
Using magic stage multi-functional steel frame can easily transfer main screen to perimeter led screen, just simple installation change.



Side face



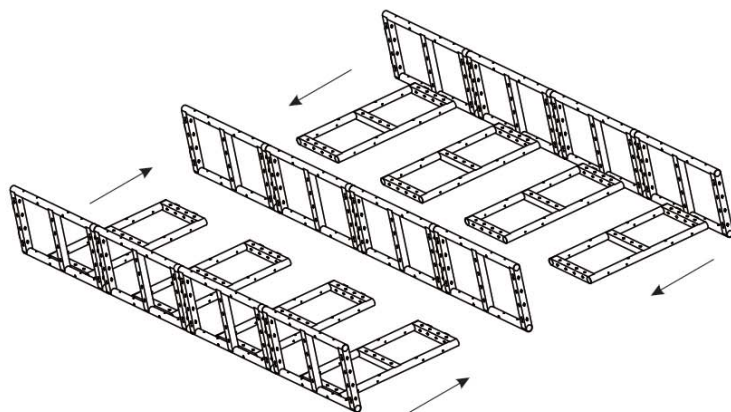
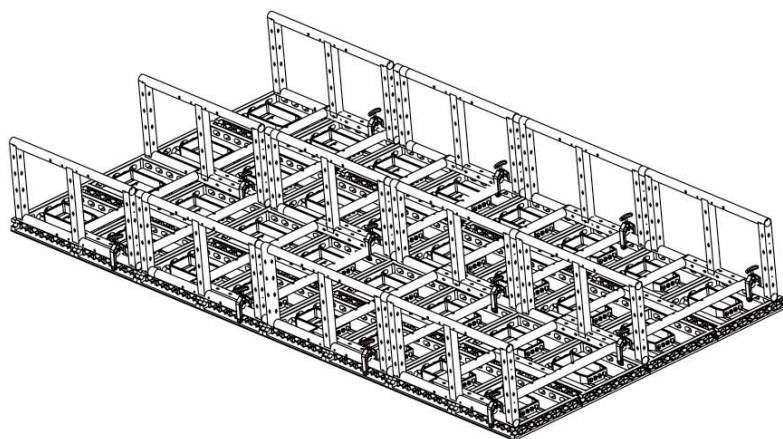
backside



Overall view

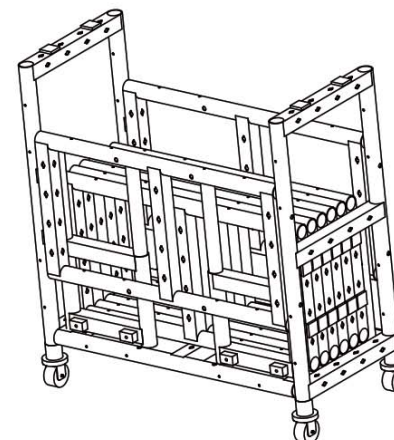
4.Sky backdrop curtain installation

Multi-functional steel frame also can use as ceiling support make it easy to find the lifting point. Creative design concepts create Stylish and secure installation.



5.Trailer Installation

Magic stage multi-functional steel frame can also be a trailer. Transporting by itself and no more tools needed, Magic Stage saves cost and labor during transportation consequently.



6.Equipment movement

Magic stage multi-functional steel frame combines with orbit equipment, to be realize the screen movement,which will be more various mechanical stage glamour.

